

KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018325
Test Report No : 8206 | 211464795KLPL/10/23/WATER/09667 Issue Date: 06-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 28-Oct-2023 Test Commenced On : 28-Oct-2023 Test Completion On: 04-Nov-2023
Sample Description : WASTE WATER

Sample Condition : SEALED IN PET BOTTLE
Sample Identification : ETP OUTLET WATER Sampling Date : 27-Oct-2023
Batch No , Lot No : NA MFG Date : NA EXP Date : NA
Received Quantity : 1LTR X 4 Place of Collection :SERVICE TANK, DATE-27.10.2023
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure: KLPL/QSP-07

Parameters	Unit	Requirement	Result	Test Method
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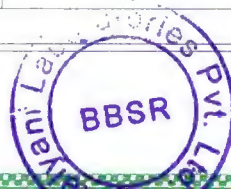
CHEMICAL PARAMETER

i	Nickel (Ni)	mg/l	--	<0.01	Cl. 7.0 of IS 3025 : Part-54 : 2003, RA 2019
ii	Sulphate as SO4	mg/l	--	18	APHA 24th Edition (4500-SO42 - -E):2023
iii	Fluoride as F	mg/l,Max	2.0	0.75	APHA 24th Edition (4500-F - -D):2023
iv	Chemical Oxygen Demand	mg/l,Max	250	30	APHA 24th Edition (5220 B):2023
v	Biochemical Oxygen Demand(For 3 days 27deg C)	mg/l,Max	30	8.0	APHA 24th Edition (5210 B):2023
vi	Copper (as Cu)	mg/l,Max	3.0	<0.02	Cl. 6.0 of IS 3025 : Part 42 :1992 ,RA 2019
vii	Free residual chlorine	mg/l	--	<0.05	APHA-24th Edition (4500-CL-B):2023
viii	Iron (as Fe)	mg/l,Max	3.0	1.65	Cl. 6.0 of IS 3025 : Part 53 : 2003 ,RA 2019
ix	Manganese (as Mn)	mg/l	--	<0.05	Cl. 5.0 of IS 3025 : Part 59 : 2006 , RA 2017
x	Selenium (as Se)	mg/l	--	<0.005	Cl. 7.0 of IS 3025 : Part -56 : 2003 ,RA 2019
xi	Zinc (as Zn)	mg/l,Max	5.0	<0.05	Cl. 6.0 of IS 3025 : Part 49 : 1994 ,RA 2019
xii	Total Kjeldhal Nitrogen	mg/l,Max	100	6.7	APHA-24th Edition (4500-NORG-B):2023
xiii	Total Suspended Solids.	mg/l,Max	100	30	APHA 24th Edition (2540 D):2023
xiv	Oil & Grease	mg/l,Max	10	<1.0	APHA 24th Edition (5520 C):2023
xv	Total Chromium	mg/l	--	<0.01	IS 3025: Part 2 : 2019
xvi	Hexavalent Chromium (as Cr+6)	mg/l	--	<0.05	APHA 24th Edition (3500-Cr-B):2023
xvii	Dissolved Phosphates (PO42)	mg/l,Max	5.0	<0.5	APHA-24th Edition (4500-P-D):2023
xviii	Nitrate-Nitrogen (NO3- - N)	mg/l,Max	10	8.0	APHA-24th Edition (4500-NO3--E):2023

PHYSICAL PARAMETER

i	pH Value	--	5.5 - 9.0	8.0	APHA 24th Edition (4500-H+-B):2023
ii	Odour	--	--	DISAGREEABLE	IS 3025: Part 5 : 2018

TOXIC SUBSTANCES



KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



Test Report No : 8206 | 211464795KLPL/10/23/WATER/09667



Parameters	Unit	Requirement	Result	Test Method
i Cadmium (as Cd)	mg/l	--	<0.001	Cl. 5.0 of IS 3025 : Part-41 : 1992, RA 2019
ii Lead (as Pb)	mg/l,Max	0.1	<0.005	Cl. 7.0 of IS 3025 : Part-47 : 1994, RA 2019
iii Mercury (as Hg)	mg/l	--	<0.0005	Cl. 5.0 of IS 3025 : Part-48 : 1994, RA 2019
iv Arsenic (as As)	mg/l	--	<0.001	IS 3025 : Part-37 : 1988 ,RA 2019

Remarks : -

General standards for discharge of environmental pollutants part-A:Effluents,Schedule-VI,(See rule3A)

The results relate only to samples tested and test parameters

Any unusual feature observed during determination : NIL

Customer information if any :NIL

Conformity statement as per decision rule, If applicable :N/A

Analysed By

Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.

Authorized Signatory

Dr. Debasis Biswal
For Kalyani Laboratories Pvt. Ltd



***** End of Test Report *****



KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032 ODISHA

TEST REPORT



Test Report No : 8206 | 211464795KLPL/10/23/WATER/09667 Issue Date: 06-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 28-Oct-2023 Test Commenced On : 28-Oct-2023 Test Completion On: 04-Nov-2023
Sample Description : WASTE WATER

Sample Condition : SEALED IN PET BOTTLE
Sample Identification : ETP OUTLET WATER Sampling Date : 27-Oct-2023
Batch No , Lot No : NA MFG Date : NA EXP Date : NA
Received Quantity : 1LTR X 4 Place of Collection :SERVICE TANK, DATE-27.10.2023
Sample Collected By : By KLPL (MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure : KLPL/QSP-07

Parameters	Unit	Requirement	Result	Test Method
BACTERIOLOGICAL QUALITY				
Total Coliforms	MPN/100ml	--	243	IS: 1622:1981,RA:2018

Remarks : -

Any unusual feature observed during determination :NIL

Analysed By

Smruti S. Panda

Miss. Smruti Sephali Panda
For Kalyani Laboratories Pvt. Ltd.



Authorized Signatory

Rekha Nayak
6/11/2023
Dr. Rekha Nayak
For Kalyani Laboratories Pvt. Ltd

***** End of Test Report *****

KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018326
Test Report No : 8207 | 211474796KLPL/10/23/WATER/09668 Issue Date: 06-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 28-Oct-2023 Test Commenced On : 28-Oct-2023 Test Completion On: 04-Nov-2023
Sample Description : **STP OUTLET WATER**

Sample Condition : SEALED IN PET BOTTLE
Sample Identification : **STP OUTLET WATER** Sampling Date : 27-Oct-2023
Batch No , Lot No : NA MFG Date : NA EXP Date : NA
Received Quantity : 1LTR X 2 Place of Collection : PLANT STP OUTLET, DATE-27.10.2023
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure : KLPL/QSP-07

Parameters	Unit	Requirement	Result	Test Method
CHEMICAL PARAMETER				
i Chemical Oxygen Demand	mg/l	--	20	APHA 24th Edition (5220 B):2023
ii Biochemical Oxygen Demand(For 3 days 27deg C)	mg/l, Max	30	5.0	APHA 24th Edition (5210 B):2023
iii Total Suspended Solids.	mg/l, Max	100	7.2	APHA 24th Edition (2540 D):2023
iv Oil & Grease	mg/l	--	<1.0	APHA 24th Edition (5520 C):2023
v Total Nitrogen	mg/l	--	<5.0	APHA 24th Edition (4500-Norg-B):2023
vi Amonnical Nitrogen (as N)	mg/l	--	<0.5	APHA 24th Edition (4500-NH3-C):2023
PHYSICAL PARAMETER				
i pH value	---	6.5-9.0	7.9	APHA 24th Edition (4500-H+B):2023

Remarks : -

Standard specification as per G.S.R. 1265(E), MOEF & CC , 13th OCTOBER 2017

The results relate only to samples tested and test parameters

Any unusual feature observed during determination : NIL

Customer information if any :NIL

Conformity statement as per decision rule, If applicable :N/A

Analysed By

D Arukha

Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorized Signatory

Dr. Debasis Biswal

Dr. Debasis Biswal
For Kalyani Laboratories Pvt. Ltd

***** End of Test Report *****

KALYANI LABORATORIES PVT. LTD.

PLOT NO-74944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

TEST REPORT



Test Report No : 8207 | 211474796KLPL/10/23/WATER/09668 Issue Date: 06-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 28-Oct-2023 Test Commenced On : 28-Oct-2023 Test Completion On: 04-Nov-2023
Sample Description : STP OUTLET WATER

Sample Condition : SEALED IN PET BOTTLE
Sample Identification : STP OUTLET WATER Sampling Date : 27-Oct-2023
Batch No , Lot No : NA MFG Date : NA EXP Date : NA
Received Quantity : 1LTR X 2 Place of Collection : PLANT STP OUTLET, DATE-27.10.2023
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure : KLPL/QSP-07

Parameters	Unit	Requirement	Result	Test Method
BACTERIOLOGICAL QUALITY				
Feacal Coliform	MPN/100ml.	<1000	72	IS 1622:1981, RA 2009

Remarks : -

Any unusual feature observed during determination :NIL

Analysed By

Smruti S. Panda

Miss. Smruti Sephali Panda
For Kalyani Laboratories Pvt. Ltd.

Authorized Signatory

Rekha Nayak
Dr. Rekha Nayak 07/11/2023
For Kalyani Laboratories Pvt. Ltd



***** End of Test Report *****

KALYANI LABORATORIES PVT. LTD.



PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018327
Test Report No : 8208 | 211484797KLPL/10/23/WATER/09669 Issue Date: 06-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 28-Oct-2023 Test Commenced On : 28-Oct-2023 Test Completion On: 04-Nov-2023
Sample Description : **WASTE WATER**

Sample Condition : SEALED IN PET BOTTLE
Sample Identification : **COOLING TOWER BLOWDOWN WATER** Sampling Date : 27-Oct-2023
Batch No , Lot No : NA MFG Date : NA EXP Date : NA
Received Quantity : 1LTR X 2 Place of Collection :W-1 COOLING TOWER BLOWDOWN, DATE-27.10.2023
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure: KLPL/QSP-07

Parameters	Unit	Requirement	Result	Test Method
CHEMICAL PARAMETER				
i Phosphate	mg/l	--	3.6	APHA 24th Edition (4500-P-D):2023
ii Zinc (as Zn)	mg/l	--	0.53	Cl. 6.0 of IS 3025 : Part 49 : 1994 ,RA 2019
iii Free Available Chlorine	mg/l	--	0.34	APHA-24th Edition (4500-CL-B):2023
iv Total Chromium	mg/l	--	<0.01	APHA 24th Edition(3111 C): 2023

Remarks : -

The results relate only to samples tested and test parameters

Any unusual feature observed during determination : NIL

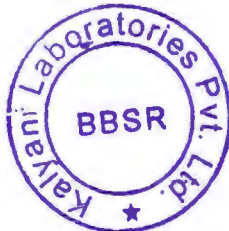
Customer information if any :NIL

Conformity statement as per decision rule, If applicable :N/A

Analysed By

D Arukha

Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorized Signatory

Dr. Debasis Biswal

Dr. Debasis Biswal
For Kalyani Laboratories Pvt. Ltd

***** End of Test Report *****

KALYANI LABORATORIES PVT. LTD.



PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018328
Test Report No : 8209 | 211494798KLPL/10/23/WATER/09670 Issue Date: 06-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 28-Oct-2023 Test Commenced On : 28-Oct-2023 Test Completion On: 04-Nov-2023
Sample Description : WASTE WATER

Sample Condition : SEALED IN PET BOTTLE
Sample Identification : BOILER BLOW DOWN WATER Sampling Date : 27-Oct-2023
Batch No , Lot No : NA MFG Date : NA EXP Date : NA
Received Quantity : 1LTR X 2 Place of Collection : W-3 BOILER BLOW DOWN, DATE-27.10.2023
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure: KLPL/QSP-07

Parameters	Unit	Requirement	Result	Test Method
CHEMICAL PARAMETER				
i Copper (as Cu)	mg/l	--	<0.02	Cl. 6.0 of IS 3025 : Part 42 :1992 ,RA 2019
ii Iron (as Fe)	mg/l	--	<0.05	Cl. 6.0 of IS 3025 : Part 53 : 2003 ,RA 2019
iii Total Suspended Solids.	mg/l	--	7.6	APHA 24th Edition (2540 D):2023
iv Oil & Grease	mg/l	--	<1.0	APHA 24th Edition (5520 C):2023

Remarks : -

The results relate only to samples tested and test parameters

Any unusual feature observed during determination : NIL

Customer information if any :NIL

Conformity statement as per decision rule, If applicable :N/A

Analysed By

D Arukha

Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorized Signatory

Dr. Debasis Biswal

Dr. Debasis Biswal
For Kalyani Laboratories Pvt. Ltd

***** End of Test Report *****

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KLPL- 364511A

KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018322
Test Report No : 1923 | KLPL/10/23/ENVN/02558 **Issue Date** : 03-Nov-2023
Amendment No : - **Amendment Date** : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : **POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.**
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 01-Nov-2023 **Commenced On** : 01-Nov-2023 **Completion On** : 03-Nov-2023
Sample Name : **AMBIENT AIR QUALITY MONITORING**
Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED/FILTER PAPER SEALED IN ZIP LOCK
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure: KLPL/QSP-07

Parameters	Unit	Standard Value	Results	Test Method
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Location & Date : **ADMIN BUILDING, DATE-31.10.2023**

Sulphur Dioxide	µg/m ³	80	9.40	IS 5182(PART-2) : 2001 *
Nitrogen Dioxide	µg/m ³	80	16.46	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m ³	100	57.23	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m ³	60	27.16	KLPL/SOP/AIR-02,Issue No.01:2017
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.58	KLPL/SOP/AIR-19:2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	4.3	KLPL/SOP/AIR-19:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10,Issue No.01:2017
Ammonia (NH3)	µg/m ³	400	<4.0	KLPL/SOP/AIR-05,Issue No.01: 2017
Benza (a) Pyrene (BaP)	µg/m ³	01	<0.1	KLPL/SOP/AIR-07,Issue No.01: 2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10,Issue No.01: 2017
Nickel (Ni)	ng/m ³	20	<4.0	KLPL/SOP/AIR-10,Issue No.01:2017

Location & Date : **NEAR MAIN GATE, DATE-31.10.2023**

Sulphur Dioxide	µg/m ³	80	7.21	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	14.48	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m ³	100	69.58	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m ³	60	33.03	KLPL/SOP/AIR-02,Issue No.01:2017
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.71	KLPL/SOP/AIR-19:2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	5.9	KLPL/SOP/AIR-19:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10,Issue No.01:2017
Ammonia (NH3)	µg/m ³	400	<4.0	KLPL/SOP/AIR-05,Issue No.01: 2017
Benza (a) Pyrene (BaP)	µg/m ³	01	<0.1	KLPL/SOP/AIR-07,Issue No.01: 2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10,Issue No.01: 2017
Nickel (Ni)	ng/m ³	20	<4.0	KLPL/SOP/AIR-10,Issue No.01:2017

Location & Date : **NEAR WAGON GATE, DATE-31.10.2023**

Sulphur Dioxide	µg/m ³	80	8.91	IS 5182(PART-2) : 2001
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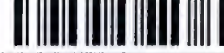
KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032 ODISHA



NABL ULR NO : TC1206323000018322

TEST REPORT



TC-12063

Test Report No : 1923 | KLPL/10/23/ENVN/02558 Issue Date : 03-Nov-2023
Amendment No : - Amendment Date : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 01-Nov-2023 Commenced On : 01-Nov-2023 Completion On: 03-Nov-2023

Sample Name : AMBIENT AIR QUALITY MONITORING
Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED/FILTER PAPER SEALED IN ZIP LOCK
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure: KLPL/QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Nitrogen Dioxide	µg/m ³	80	17.41	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m ³	100	76.88	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m ³	60	34.94	KLPL/SOP/AIR-02,Issue No.01:2017
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.77	KLPL/SOP/AIR-19:2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	6.2	KLPL/SOP/AIR-19:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10,Issue No.01:2017
Ammonia (NH3)	µg/m ³	400	<4.0	KLPL/SOP/AIR-05,Issue No.01: 2017
Benza (a) Pyrene (BaP)	µg/m ³	01	<0.1	KLPL/SOP/AIR-07,Issue No.01: 2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10,Issue No.01: 2017
Nickel (Ni)	ng/m ³	20	<4.0	KLPL/SOP/AIR-10,Issue No.01:2017

Remarks : -

Any unusual feature observed during determination : NIL
Requirement is as per standard specification NAAQS:2009
The results relate only to samples tested and test parameters

Analysed By

Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorised Signatory

Dr. Debasis Biswal
For Kalyani Laboratories Pvt. Ltd.

KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018323
Test Report No : 1924 | KLPL/10/23/ENVN/02559 **Issue Date** : 03-Nov-2023
Amendment No : - **Amendment Date** : -
Reference : P.O NO-FPPL/3100006601,DATE-8.11.2022
Customer Name : **POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.**
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 01-Nov-2023 **Commenced On** : 01-Nov-2023 **Completion On** : 03-Nov-2023
Sample Name : **FLUE GAS | STACK MONITORING**
Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure : KLPL/QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : STACK ATTACHED TO ESP BOILER, DATE-31.10.2023				
Particulate Matter	mg/Nm ³	--	32.32	IS 11255(Part-1):1985,RA:2019
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	--	<0.1	KLPL/SOP/AIR-20:2019
Carbon Dioxide (CO2)	%	--	7.3	KLPL/SOP/AIR-20:2019
Oxides of Nitrogen	mg/Nm ³	--	86.6	KLPL/SOP/AIR-20:2019
Stack Temperature	Deg kelvin	--	393	IS 11255(Part-1):1985,RA:2019
Velocity	m/sec	--	7.8	IS 11255(Part-1):1985,RA:2019
Quantity of Gas Flow	Nm ³ / hr	--	261570	IS 11255(Part-1):1985,RA:2019
Mercury (as Hg)	mg/Nm ³	--	0.011	KLPL/SOP/STACK-HM-21: 2023
Sulphur Dioxide as SO2	mg/Nm ³	--	125.3	IS 11255(part-2):1985,RA:2019

Remarks : -
 Any unusual feature observed during determination :NIL
 The results relate only to samples tested and test parameters

Analysed By

 Mr. Digambar Arukha
 For Kalyani Laboratories Pvt. Ltd.



Authorised Signatory

 Dr. Debasis Biswal
 For Kalyani Laboratories Pvt. Ltd.



KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TC-12063

TEST REPORT

NABL ULR NO : TC1206323000018324



Test Report No : 1925 | KLPL/10/23/ENVN/02560

Issue Date : 03-Nov-2023

Amendment No : -

Amendment Date : -

Reference : PO NUMBER : FPPL/3100006601, DATE-8.11.2022

Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.

Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA

Date of receipt : 01-Nov-2023 Commenced On : 01-Nov-2023

Completion On: 03-Nov-2023

Sample Name : NOISE

Sample Condition : --

Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)

Ref.To Sampling Procedure: KLPL/NOISE/SOP-23

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : DG SET-, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	64.5	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	53.2	IS 9989:1981 (RA 2014):2014
Location & Date : ADMIN BUILDING, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	62.7	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	52.4	IS 9989:1981 (RA 2014):2014
Location & Date : BOILER-1, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	70.3	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	63.8	IS 9989:1981 (RA 2014):2014
Location & Date : BOILER-2, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	71.2	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	64.6	IS 9989:1981 (RA 2014):2014
Location & Date : BOILER-3, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	72.6	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	66.4	IS 9989:1981 (RA 2014):2014
Location & Date : COMPRESSOR HOUSE, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	69.6	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	59.4	IS 9989:1981 (RA 2014):2014
Location & Date : DG SET, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	66.4	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	52.1	IS 9989:1981 (RA 2014):2014
Location & Date : DM PLANT, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	64.3	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	58.2	IS 9989:1981 (RA 2014):2014
Location & Date : ESP TD FAN, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	63.4	IS 9989:1981 (RA 2014):2014



KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA



TEST REPORT



TC-12063

NABL ULR NO : TC1206323000018324
Test Report No : 1925 | KLPL/10/23/ENVN/02560 **Issue Date** : 03-Nov-2023
Amendment No : - **Amendment Date** : -
Reference : PO NUMBER : FPPL/3100006601, DATE-8.11.2022
Customer Name : **POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.**
Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
Date of receipt : 01-Nov-2023 **Commenced On** : 01-Nov-2023 **Completion On** : 03-Nov-2023
Sample Name : **NOISE**
Sample Condition : --
Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
Ref.To Sampling Procedure : KLPL/NOISE/SOP-23

Parameters	Unit	Standard Value	Results	Test Method
Noise Level Indl. Area (Night)	dB(A)	70	54.6	IS 9989:1981 (RA 2014):2014
Location & Date : ESP TD FAN-2, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	66.9	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	59.2	IS 9989:1981 (RA 2014):2014
Location & Date : ETP, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	54.3	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	43.6	IS 9989:1981 (RA 2014):2014
Location & Date : MAIN GATE, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	58.5	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	46.2	IS 9989:1981 (RA 2014):2014
Location & Date : PRMATRY CRUSHER, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	72.2	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	67.4	IS 9989:1981 (RA 2014):2014
Location & Date : SECONDRY CRUSHER, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	71.7	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	67.3	IS 9989:1981 (RA 2014):2014
Location & Date : STG CONDENSER, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	71.3	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	65.4	IS 9989:1981 (RA 2014):2014
Location & Date : WAGON TIPPLER, DATE-31.10.2023				
Noise Level Indl. Area (Day)	dB(A)	75	66.4	IS 9989:1981 (RA 2014):2014
Noise Level Indl. Area (Night)	dB(A)	70	53.2	IS 9989:1981 (RA 2014):2014





KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751002, ODISHA



TEST REPORT

NABL ULR NO : TC1206323000018324



TC-12063

Test Report No : 1925 | KLPL/10/23/ENVN/02560 Issue Date : 03-Nov-2023
 Amendment No : - Amendment Date : -
 Reference : PO NUMBER : FPPL/3100006601, DATE-8.11.2022
 Customer Name : POWER PLANT OF M/S FEERO ALLOYS CORPORATION LIMITED.
 Address : D.P NAGAR, RANDIA, BHADRAK-756135, ODISHA
 Date of receipt : 01-Nov-2023 Commenced On : 01-Nov-2023 Completion On: 03-Nov-2023
 Sample Name : NOISE
 Sample Condition : --
 Sample Collected By : By KLPL(MR. SUDHIR KUMAR BARIK)
 Ref.To Sampling Procedure: KLPL/NOISE/SOP-23

Parameters	Unit	Standard Value	Results	Test Method
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Remarks : -

Any unusual feature observed during determination : NIL
 Requirement is as per standard specification Noise Rule 2000
 The results relate only to samples tested and test parameters

Analysed By

Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory

Dr. Debasis Biswal
For Kalyani Laboratories Pvt. Ltd.

