Environmental Quality Monitoring at Hollong Modular Gas Processing Plant (HMGPP), EXPRO NORTH SEA LIMITED Agbandha Village in Margherita

Sep'2024

Sampling & Analysis Done By:
M/s GREEN TECH ENVIRONMENTAL ENGINEER &
CONSULTANTS
GUWAHATI, ASSAM-781028



Water Sampling AREA 80 (API Open Drain Pit Outlet)



House No-11, Champaknagar, Narayan Path, Bhetapara, Guwahati-781028, www.greentecheec.in Telefax -0361 3501950 Mobile: 9435046677, 9954089052, E-mail: green_pranjal@hotmail.com, info@greentecheec.in

TC-14361

Format No.: GEEC/FM/50

Pranjal Buragohain

Authorised Signatory

TEST REPORT

ULR	Number: TC1436124000	00123F			
Ref. N	No.:	GEEC/FL/23/2024/09/17	Date:		23/09/2024
Custo	omer Name:	EXPRO North Sea Ltd. Lab. ID No.:		GEEC/WS/2024/09/17	
Custo	omer Address:	EXPRO North Sea Limited. HMGPP, Agbandha	Date of	Sampling:	15/09/2024
Samp	oling Location:	Monitoring & Sampling at HMGPP Area 80 API Open Drain Pit Outlet	Sample I	Receipt Date:	16/09/2024
Samp	ole Description:	Waste Water	Test Star	rt Date:	16/09/2024
Samp	ole Drawn By:	Mr.Dilip Kr. Deka	Test Con	npletion Date:	21/09/2024
Samp	ole Condition:	Sealed	Sampling	g Method :	GEEC/SOP/2
SI. NO.	PARAMETERS	PROTOCOL	UNITS	RESULTS	LIMIT Environment (Protection) Rules,1986
1	Suspended Solids	IS 3025 Part 17 1984 (RA:2017)	mg/l	16	100
2	BOD (3 days @ 27°C)	IS 3025 Part 44 1993 (RA:2019)	mg/l	12	30
3	COD	IS 3025 Part 58 2006 (RA:2017)	mg/l	34	100
4	Chlorides	IS 3025 Part 32 1988 (RA:2019)	mg/l	7.0	600
5	Total Dissolved Solids	IS 3025 Part 16 1984 (RA:2017)	mg/l	112	2100
6	Sulphate	IS 3025 Part 24 1986 (RA:2019)	mg/l	17.0	1000
7	Zinc	IS 3025 Part 49 1994 (RA:2019)	mg/l	< 0.1	2
8	Oil & Grease	IS 3025 Part 39 2021	mg/l	5.2	10
9	Phenols	APHA 23 rd Edition, 2021	mg/l	< 0.1	1.2
10	Fluorides	IS 3025 Part 60 2008 (RA:2019)	mg/l	< 0.5	1.5
11	Chromium (Total)	IS 3025 Part 52 2003 (RA:2019)	mg/l	< 0.1	1.0
12	Copper	IS 3025 Part 42 1992 (RA:2019)	mg/l	< 0.1	0.2
13	Lead	IS 3025 Part 47 1994 (RA:2019)	mg/l	< 0.1	0.1
14	pH measurement	IS 3025 Part 11 2022	-	6.93	5.5- 9.0
	Checked by:	Sidental Engl	nee, s		Reviewed by:

Dr. Belinda Lahon

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Quality Manager

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Format No.: GEEC/FM/50

TEST REPORT

Ref. No	D.:	GEEC/FL/23/2024/09/17	Date:		23/09/2024		
Custon	ner Name:	EXPRO North Sea Ltd.	Lab. ID	No.:	GEEC/WS/2024/09/17		
Custon	ner Address:	EXPRO North Sea Limited. HMGPP, Agbandha	Date of Sampling:		15/09/2024		
Sampli	ng Location:	Monitoring & Sampling at HMGPP Area 80 API Open Drain Pit Outlet	하다면 다 보세 및 유지 :				16/09/2024
Sample	e Description:	Waste Water	Test Sta	rt Date:	16/09/2024		
Sample	e Drawn By:	Mr.Dilip Kr. Deka	Test Co	mpletion Date:	21/09/2024		
Sample	e Condition:	Sealed	Sampling Method :		GEEC/SOP/2		
SI. NO.	PARAMETERS	PROTOCOL	UNITS	RESULTS	LIMIT Environment (Protection) Rules,1986		
1	% Sodium	APHA 23 rd Edition, 2017	mg/l	< 2	60		
2	Cyanides	APHA 23 rd Edition, 2017	mg/l	< 0.1	0.2		
3	Sulphides	APHA 23 rd Edition, 2017	mg/l	< 0.1	2.0		
4	Chromium (Cr ⁺⁶)	IS 3025 Part 52 2003 (RA:2019)	mg/l	< 0.1	1.0		
5	Mercury	IS 3025 Part 48 1994 (RA:2019)	mg/l	< 0.01	0.01		
6	Nickel	APHA 23 rd Edition, 2017	mg/l	< 0.5	3.0		
7	Temperature		°C	33.1	40		
8 Salinity as NaCl Chloride to salin		Chloride to salinity	ppm	11	_		
	A CONTRACTOR OF THE PARTY OF TH	*******************End of Report	********	*****	It is a second s		

Checked by:

Blakon

Dr. Belinda Lahon Quality Manager Reviewed by:

Pranjal Buragohain Authorised Signatory

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Ambient Air Quality Monitoring Near Security Main Gate

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∠/ _\
TC-14361

Format No.: GEEC/FM/48

TEST REPORT

Test Report No.:	GEEC/FL/22/2024/09/08 Date:		28/09/2024		
Customer Name &	EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024/09/08		
Address:	HMGPP, Agbandha	Date of Sampling:	14/09/2024		
Sampling Location:	HMGPP, Near Security Main Gate	Ambient Temperature:	Max.	Min.	
Weather Condition:	Cloudy		35.5°C	25.2°C	
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024		
Monitored By:	Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024		
Equipments Details:	RDS & PM Sampler	Test End Date:	18/09/2024		

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	μg/m³	48	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	μg/m³	20	60	GEEC/SOP/01 USEPA FRM 40CFR
3	Sulphur Dioxide (SO ₂)	μg/m³	< 25	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	μg/m³	12	80	IS 5182(6)
5	Lead (Pb)	µg/m³	< 0.1	1	IS 5182(22)

Checked by:

Blahon

Dr. Belinda Lahon Quality Manager



Pranjal Buragohain Authorised Signatory

Reviewed by:

Page 1 of 1

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Format No.: GEEC/FM/48

Pranjal Buragohain

Authorised Signatory

TEST REPORT

Jorth Sea Ltd. Agbandha curity Main Gate	Date: Lab. ID No.: Date of Samp Ambient Tem		28/09/2024 GEEC/AA/2024/0 14/09/2024	09/08
Agbandha curity Main Gate	Date of Samp		14/09/2024	09/08
curity Main Gate				
	Ambient Tem		Mov	
OTEF Filter Paner	7	perature:	Max.	Min.
PTFF Filter Paner			35.5°C	25.2°C
Bottle	Date of Samp	ole Receipt:	16/09/2024	
(r.Deka	Test Start Dat	te:	16/09/2024	3.50
M Sampler	Test End Date	e:	18/09/2024	
AMBIE	NT AIR QUALIT	ΓΥ		
pling and Analysis	carried out as p	oer GEEC/SO	P/01	
Unit	Results	Limits	Test Method	
mg/m³	< 1.15	2	GASTEC	TUBES
μg/m³	40	180	CPCB Guidelines	
μg/m³	<1	5	CPCB Gu	idelines
μg/m³	<1	1	CPCB Guidelines	
ng/m³	< 1	6	CPCB Guidelines	
ng/m³	<11	20	CPCB Guidelines	
		400	CPCB Gu	idelines
	ng/m³	ng/m ³ < 1 ng/m ³ < 1 μg/m ³ εng/o < 1	ng/m ³ < 1 6 ng/m ³ < 1 20	ng/m³ < 1 6 CPCB Gu ng/m³ < 1 20 CPCB Gu μg/m³ < 1 400 CPCB Gu Reviewe

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Dr. Belinda Lahon

Quality Manager

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Ambient Air Quality Monitoring AREA 10 (Near Foam and Water Hydrant Box)

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Format No.: GEEC/FM/48

TEST REPORT

			IE	SI KEPUKI		A		
Test Report No.	.:	GEEC/FL/22/2024/0	9/06	Date:		28/09/2024		
Customer Name	stomer Name & EXPRO North Sea Ltd.		Lab. ID No.:		GEEC/AA/2024	1/09/06		
Address:		HMGPP, Agbandha		Date of Sampl	ing:	14/09/2024		
Sampling Locati	ion:	HMGPP,AREA 10 (Foam and Water H Box)	ydrant	Ambient Temperature:		Max.	Min.	
Weather Condit	tion:	Cloudy				35.5°C	25.2°C	
Sampling Condi	ition:	In GF/A, PTFE Filter & Plastic Bottle	r Paper	Date of Sample Receipt:		16/09/2024		
Monitored By:		Mr.Dilip Kr.Deka		Test Start Date	Test Start Date: 16/09/2024			
Equipments Details: RD		RDS & PM Sampler		Test End Date: 18/09/2024				
			AMBIE	NT AIR QUALIT	ΓY	1		
		Sampling and	Analysis	carried out as	per GEEC/S	OP/01		
SI No. Parameters Unit Populte Limits Test Met					Method			

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	μg/m³	38	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	μg/m³	21	60	GEEC/SOP/01 USEPA FRM 40 CFR
3	Sulphur Dioxide (SO ₂)	μg/m³	< 25	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	μg/m³	12	80	IS 5182(6)
5	Lead (Pb)	μg/m³	< 0.1	1	IS 5182(22)

Checked by:

Blahon

Dr. Belinda Lahon Quality Manager Reviewed by:

Pranjal Buragohain Authorised Signatory

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Authorised Signatory

TEST REPORT

			12.500 (12.500)	THE STREET STREET, THE STREET		to the same of the	
Test Report No.: GEEC/FL/22/		GEEC/FL/22/20	24/09/06	Date:		28/09/2024	
Custome	r Name &	EXPRO North Sea Ltd.		Lab. ID No.:		GEEC/AA/2024/09/06	
Address:		HMGPP, Agband	dha	Date of San	npling:	14/09/2024	
[[- [[[[[[[[[[[[[[[[[HMGPP,AREA (Foam and Wat	10 ter Hydrant Box)	Ambient Temperature:		Max.	Min.
Weather	Condition:	Cloudy			8 8	35.5°C	25.2°C
Sampling	Condition:	In GF/A, PTFE Plastic Bottle	Filter Paper &	Date of San Receipt:	ıple	16/09/2024	
Monitore	d By:	Mr.Dilip Kr.Deka	a	Test Start D	ate:	16/09/2024	
Equipments Details: SIDEKICK- 51 Sr. No: 165367			Test End Date:		18/09/2024		
			AMBIENT	AIR QUALIT	ΓY		
		Sampling	and Analysis ca	rried out as p	er GEEC/S	OP/01	
SI. No.	Para	ameters	Unit	Results	Limits	Test Method	
1	Carbon Mo	noxide (CO)	mg/m ³	< 1.15	2	GASTEC	TUBES
2	Ozone (O ₃)		μg/m³	30	180	CPCB Guidelines	
3	Benzene (C	C ₆ H ₆)	μg/m³	< 1	5	CPCB Guidelines	
4	980 80 8	rene (BaP)- Phase only	μg/m³	< 1	1	CPCB Guidelines	
5	Arsenic (As	3)	ng/m³	< 1	6	CPCB Gu	uidelines
6	6 Nickel (Ni)		ng/m³	< 1	20	CPCB Guideline	
7 Ammonia (NH ₃)		μg/m³	<1	400	CPCB Gu	uidelines	
B	cked by:			CH Environment	Reel & Consu	Review Pranjal Bu	>

Quality Manager

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Ambient Air Quality Monitoring HMGPP, AREA 60 (Near Fire Extinguisher Cabinet)

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Format No.: GEEC/FM/48

TEST REPORT

Test Report No.:	GEEC/FL/22/2024/09/07	Date:	28/09/2024	
Customer Name &	EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024/09/07	
Address:	HMGPP, Agbandha	Date of Sampling:	14/09/2024	
Sampling Location:	HMGPP,AREA 60 (Near Fire Extinguisher Cabinet)	Ambient Temperature:	Max.	Min.
Weather Condition:	Cloudy		35.5°C	25.2°C
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024	
Monitored By:	Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024	
Equipments Details:	SIDEKICK- 51 MTX Sr. No: 16536770	Test End Date:	18/09/2024	

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	μg/m³	40	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	μg/m³	18	60	GEEC/SOP/01 USEPA FRM 40CFR
3	Sulphur Dioxide (SO ₂)	µg/m³	< 25	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	μg/m³	15	80	IS 5182(6)
5	Lead (Pb)	μg/m ³	< 0.1	1	IS 5182(22)

Checked by:

Blakon

Dr. Belinda Lahon Quality Manager Reviewed by:

Pranjal Buragohain Authorised Signatory

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Format No.: GEEC/FM/48

TEST REPORT

GEEC/FL/22/2024/09/07	Date:	28/09/2024		
EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024/09/07		
HMGPP, Agbandha	Date of Sampling:	14/09/2024		
npling Location: HMGPP,AREA 60 (Near Fire Extinguisher Cabinet) Ambient Temperaturather Condition: Cloudy		Max.	Min.	
		35.5°C	25.2°C	
In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024		
Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024		
SIDEKICK- 51 MTX		18/09/2024		
	EXPRO North Sea Ltd. HMGPP, Agbandha HMGPP,AREA 60 (Near Fire Extinguisher Cabinet) Cloudy In GF/A, PTFE Filter Paper & Plastic Bottle Mr.Dilip Kr.Deka SIDEKICK- 51 MTX	EXPRO North Sea Ltd. HMGPP, Agbandha HMGPP,AREA 60 (Near Fire Extinguisher Cabinet) Cloudy In GF/A, PTFE Filter Paper & Plastic Bottle Mr.Dilip Kr.Deka Lab. ID No.: Date of Sampling: Ambient Temperature: Date of Sample Receipt: Test Start Date: SIDEKICK- 51 MTX Test End Date:	EXPRO North Sea Ltd. HMGPP, Agbandha HMGPP, Agbandha HMGPP, AREA 60 (Near Fire Extinguisher Cabinet) Cloudy In GF/A, PTFE Filter Paper & Plastic Bottle Mr.Dilip Kr.Deka Lab. ID No.: GEEC/AA/2024 Max. Max. Date of Sample Receipt: Date of Sample Receipt: 16/09/2024 Test Start Date: 18/09/2024	

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Carbon Monoxide (CO)	mg/m ³	< 1.15	2	GASTEC TUBES
2	Ozone (O ₃)	μg/m ³	20	180	CPCB Guidelines
3	Benzene (C ₆ H ₆)	μg/m ³	<1	5	CPCB Guidelines
4	Benzo(a)Pyrene (BaP)- Particulate Phase only	μg/m ³	<1	1	CPCB Guidelines
5	Arsenic (As)	ng/m ³	< 1	6	CPCB Guidelines
6	Nickel (Ni)	ng/m ³	< 1	20	CPCB Guidelines
7	Ammonia (NH ₃)	μg/m ³ —	< 1	400	CPCB Guidelines

Checked by:

Blahan

Dr. Belinda Lahon Quality Manager Reviewed by:

Pranjal Buragohain Authorised Signatory

Page 1 of 1

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Ambient Air Quality Monitoring AREA 40 (Water Hydrant Box)

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Format No.: GEEC/FM/48

TEST REPORT

Test Report No.:	GEEC/FL/22/2024/09/09	Date:	28/09/2024	
Customer Name &	EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024/09/09	
Address:	HMGPP, Agbandha	Date of Sampling:	15/09/2024	
Sampling Location:	HMGPP, AREA 40 (Fire Water Hydrant Box)	Ambient Temperature:	Max.	Min.
Weather Condition:	Partially Cloudy		37.1°C	25.7°C
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024	
Monitored By:	Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024	
Equipments Details:	SIDEKICK- 51 MTX Sr. No: 16536770	Test End Date:	18/09/2024	

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	μg/m³	37	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	μg/m³	22	60	GEEC/SOP/01 USEPA FRM 40CFR
3	Sulphur Dioxide (SO ₂)	μg/m³	< 25	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	μg/m³	14	80	IS 5182(6)
5	Lead (Pb)	μg/m³	< 0.1	1 1	IS 5182(22)

Checked by:

Dr. Belinda Lahon

Blakon

Quality Manager

Reviewed by:

Pranjal Buragohain Authorised Signatory

Page 1 of 1

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Format No.: GEEC/FM/48

TEST REPORT

Test Report No.:	GEEC/FL/22/2024/09/09	Date:	28/09/2024	
Customer Name &	EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024	/09/09
Address:	HMGPP, Agbandha	Date of Sampling:	15/09/2024	
Sampling Location:	HMGPP, AREA 40 (Fire Water Hydrant Box)	Ambient Temperature:	Max.	Min.
Weather Condition:	Partially Cloudy		37.1°C	25.7°C
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024	
Monitored By:	Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024	
Equipments Details:	SIDEKICK- 51 MTX Sr. No: 16536770	Test End Date:	18/09/2024	
	AMRIENT	AIR QUALITY	•	

Sampling and Analysis carried out as per GEEC/SOP/01

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Carbon Monoxide (CO)	mg/m ³	< 1.15	2	GASTEC TUBES
2	Ozone (O ₃)	μg/m³	20	180	CPCB Guidelines
3	Benzene (C ₆ H ₆)	μg/m³	< 1	5	CPCB Guidelines
4	Benzo(a)Pyrene (BaP)- Particulate Phase only	μg/m³	<1	1	CPCB Guidelines
5	Arsenic (As)	ng/m³	< 1	6	CPCB Guidelines
6	Nickel (Ni)	ng/m³	< 1	20	CPCB Guidelines
7	Ammonia (NH ₃)	μg/m³	<1	400	CPCB Guidelines

Checked by:

Blalon

Dr. Belinda Lahon **Quality Manager**

Pranjal Buragohain **Authorised Signatory**

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Ambient Air Quality Monitoring AREA 20 (Near Slug Catcher Fire Bucket Stand)

House No-11, Champaknagar, Narayan Path, Bhetapara, Guwahati-781028, www.greentecheec.in Telefax -0361 3501950 Mobile: 9435046677, 9954089052, E-mail: green_pranjal@hotmail.com, info@greentecheec.in

Format No.: GEEC/FM/48

TEST REPORT

Test Report No.:	GEEC/FL/22/2024/09/10	Date:	28/09/2024	
Customer Name &	EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024/09/10	
Address:	HMGPP, Agbandha	Date of Sampling:	15/09/2024	
Sampling Location:	HMGPP, AREA 20 (Near Slug Catcher)	Ambient Temperature:	Max.	Min.
Weather Condition:	Partially Cloudy	•	37.1°C	25.7°C
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024	
Monitored By:	Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024	
Equipments Details:	SIDEKICK- 51 MTX Sr. No: 16536770	Test End Date:	18/09/2024	

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

SI. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	μg/m³	36	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	μg/m³	17	60	GEEC/SOP/01 USEPA FRM 40CFR
3	Sulphur Dioxide (SO ₂)	μg/m³	< 25	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	μg/m³	15	80	IS 5182(6)
5	Lead (Pb)	µg/m³	<0.1	1	IS 5182(22)

Checked by:

Blakon

Dr. Belinda Lahon Quality Manager



Pranjal Buragohain Authorised Signatory

Page 1 of 1

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Format No.: GEEC/FM/48

TEST REPORT

Test Report No.:	GEEC/FL/22/2024/09/10	Date:	28/09/2024	
Customer Name &	EXPRO North Sea Ltd.	Lab. ID No.:	GEEC/AA/2024/09/10	
Address:	HMGPP, Agbandha	Date of Sampling:	15/09/2024	
Sampling Location:	HMGPP, AREA 20 (Near Slug Catcher)	Ambient Temperature:	Max.	Min.
Weather Condition:	Partially Cloudy		37.1°C	25.7°C
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Date of Sample Receipt:	16/09/2024	
Monitored By:	Mr.Dilip Kr.Deka	Test Start Date:	16/09/2024	
Equipments Details:	SIDEKICK- 51 MTX Sr. No: 16536770	Test End Date:	18/09/2024	

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

Parameters	Unit	Results	Limits	Test Method
Carbon Monoxide (CO)	mg/m³	< 1.15	2	GASTEC TUBES
Ozone (O ₃)	μg/m³	35	180	CPCB Guidelines
Benzene (C ₆ H ₆)	μg/m³	<1	5	CPCB Guidelines
Benzo(a)Pyrene (BaP)- Particulate Phase only	μg/m³	<1	1	CPCB Guidelines
Arsenic (As)	ng/m³	<1	6	CPCB Guidelines
Nickel (Ni)	ng/m³	< 1	20	CPCB Guidelines
Ammonia (NH ₃)	μg/m³	ents 1 ngine	400	CPCB Guidelines
	Carbon Monoxide (CO) Ozone (O ₃) Benzene (C ₆ H ₆) Benzo(a)Pyrene (BaP)- Particulate Phase only Arsenic (As) Nickel (Ni)	Carbon Monoxide (CO) mg/m³ Ozone (O₃) μg/m³ Benzene (C₆H₆) μg/m³ Benzo(a)Pyrene (BaP)-Particulate Phase only μg/m³ Arsenic (As) ng/m³ Nickel (Ni) ng/m³	Carbon Monoxide (CO) mg/m^3 < 1.15Ozone (O3) $\mu g/m^3$ 35Benzene (C6H6) $\mu g/m^3$ < 1	Carbon Monoxide (CO) mg/m^3 < 1.15 2 Ozone (O3) $\mu g/m^3$ 35 180 Benzene (C6H6) $\mu g/m^3$ < 1

Checked by:

Blahon

Dr. Belinda Lahon Quality Manager Reviewed by:

Pranjal Buragohain Authorised Signatory

Page 1 of 1

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Flue Gas Monitoring Fire Engine No-1(A) Sl. No.: CD 6068B128796

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GEEC/FM/49

TEST REPORT

Report No:GEEC/FL	/22/STK/2024/09/03		Date:	29/09/2024	
Industry Name :	EXPRO NORTH SEA LIMITED L		Lab ID	GEEC/STK/2024/09/03	
Address:	C/O HOEC HMGPP,		Date of Sampling:	15/09/2024	
Village : Agbondha			Date of Receipt:	16/09/2024	
Post Office : Margherita, District: Tinsukia, State : As		m	Test Start Date:	16/09/2024	
	District. Tirisakia, Otato : Assar	Test End Date:	17/09/2024		
	Stack De	tails Da	ta Provided By The Client		W.
	Fire Engine No-1(A)		Fuel Used:		HSD
Stack Details	SI.No.: CD 6068B128796 Loc HMGPP, Agbandha	ation:	Raw Material :		-
Stack Height (m)	3.7		Sample Porthole height (GL)		· · · · · · · · · · · · · · · · · · ·
Stack Diameter (m)	0.1		Area in m ²		0.008
Environm	ental Condition During Samp	oling (An	nbient Temperature)		39.6°C
	Flow Ch	aracteri	stics of Flue Gas (At Site)		
SI. No.	Parameter		Unit	Results	Test Method
1	Velocity		m/s	4.7	IS 11255 Part 3-SEC 2
2	Stack Temperature		°C	384.1	
3	Flow Rate		m³/s	0.037	
	Samp	ling Res	ult of Flue Gas (At Site)		
SI. No.	Parameter	Unit	Results	Emission Limit	Test Method
1	Carbon Monoxides , CO	%	0.01	1% max (V/V)	GEEC/SOP/01/STK/CO
2	Carbon Dioxide CO ₂	%	9.0	-	IS 13270
3	Oxygen, O ₂	%	10.0	-	IS 13270
. 4	Sulphur Dioxide, (SO ₂)	ppm	<1	=	GEEC/SOP/01/STK/SO
5	Oxides of Nitrogen, (as NO ₂)	ppm	601	•	GEEC/SOP/01/STK/NC
	Sampling	Result	of Flue Gas (At Laboratory)		
SI. No.	Parameter	Unit	Results	Emission Limit	Test Method
1	Particulate Matter	ppm	7	150	IS 11255 Part-1
SI. No.	Type of Instrument		Model &	Make	
1	Stack Gas Analyzer		Testo 340 and Stack M	Monitoring Kit: S	SMS-4
Monitored by:	Mr. Dilip Deka				
Remarks:			S [SCHEDULE – VI] (See rule 3A) GE OF ENVIRONMENTAL POLLU		
Dr. E	d & Reviewed By: Belinda Lahon ality Manager		The second state of the se	Prar	uthorised by: njal Buragohain orised Signatory

* The results relate only to the item tested

* The sample was taken directly from the exhaust.

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Flue Gas Monitoring Fire Engine No-2(B) Sl. No.: CD 6068B128481

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GEEC/FM/49

TEST REPORT

Report No:GEEC/FL	/22/STK/2024/09/04		Date:	29/09/2024		
Industry Name :	EXPRO NORTH SEA LIMITED La		Lab ID	GEEC/STK/2024/09/04		
Address:	C/O HOEC HMGPP,		Date of Sampling:	15/09/2024	Carrier March 19	
Village : Agbondha			Date of Receipt:	16/09/2024		
	Post Office : Margherita,		Test Start Date:	16/09/2024		
	District: Tinsukia, State : Assa	m	Test End Date:	17/09/2024		
	Stack De	etails Dat	a Provided By The Client	1170072024		
	Fire Engine No-2(B)	Juno Dut	Fuel Used:		HSD	
Stack Details	SI.No.: CD 6068B128481 Location: HMGPP, Agbandha.		Raw Material :		-	
Stack Height (m)	3.7		Sample Porthole heig	ht (GL)	-	
Stack Diameter (m)	0.1		Area in m ²		0.008	
Environm	nental Condition During Samp	oling (Am	bient Temperature)		39.9°C	
	Flow Ch	aracteris	tics of Flue Gas (At Site)	***************************************		
SI. No.	Parameter		Unit	Results	Test Method	
1	Velocity		m/s	5.7	IS 11255 Part 3-SEC 2	
2	Stack Temperature		°C	423.0		
3	Flow Rate		m ³ /s	0.045		
	Samp	ling Resu	ult of Flue Gas (At Site)			
SI. No.	Parameter	Unit	Results	Emission Limit	Test Method	
1	Carbon Monoxides , CO	%	0.01	1% max (V/V)	GEEC/SOP/01/STK/CC	
2	Carbon Dioxide CO ₂	%	8.6	-	IS 13270	
3	Oxygen, O ₂	%	9.4	-	IS 13270	
4	Sulphur Dioxide, (SO ₂)	ppm	<1	-	GEEC/SOP/01/STK/SO	
5	Oxides of Nitrogen, (as NO ₂)	ppm	701		GEEC/SOP/01/STK/NO	
	Sampling	Result o	f Flue Gas (At Laboratory)	***************************************		
SI. No.	Parameter	Unit	Results	Emission Limit	Test Method	
1	Particulate Matter	ppm	6	150	IS 11255 Part-1	
SI. No.	Type of Instrument		Model 8	Make		
1	Stack Gas Analyzer		Testo 340 and Stack Monitoring Kit: SMS-4			
Monitored by:	Mr. Dilip Deka					
Remarks:			[SCHEDULE – VI] (See rule 3A) SE OF ENVIRONMENTAL POLL			
Dr. I	d & Reviewed By: Block Belinda Lahon ality Manager	1	PON Environ	Prar	uthorised by: njal Buragohain orised Signatory	

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Flue Gas Monitoring GG # A Sl. No.: GZC-00229

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TEST REPORT

GEEC/FM/49A

Report N	No:GEEC/FL/22/STK/2024/09/0			Date:		28/09/2024
Name of	f the Industry:	EXPRO NO	ector an	Lab ID		GEEC/STK/2024/09/02
Address		C/O HOEC		Date of Sa	ampling:	15/09/2024
		Village : Ag Post Office		Date of Re	eceipt:	16/09/2024
		Margherita,		Test Start	Date:	16/09/2024
			sukia, State	Test End I	Date:	17/09/2024
	Sta	ck Details D	ata provide	by the C	lient	
Stack Do	etails:	GG#A SI.No.:GZC- Location: HM Agbandha.		Fuel Used	:	N.G.
Stack He	eight, m (Approx.)	25		Stack Dia	m (Approx.)	0.30
Sample	Porthole height (GL) m	3.5		Area in m	2	0.071
Environmental Condition During Sampling (Ambient Temperature)					ature)	37.2°C
	Flor	w Character	ristics of Flu	e Gas (At	Site)	
SI. No.	Parameter		Un	it	Results	Test Method
1	Velocity		m/s	S	7.4	IS 11255 Part 3-SEC 2
2	Stack Temperature		°C		483.9	****
3	Flow Rate		m ³ /	³ /s 0.523		
	S	ampling Re	sult of Flue	Gas (At Si	te)	_
SI. No.	Parameter	Unit	Resu	ilts	Emission Limit	Test Method
1	Carbon Monoxide (CO)	ppm	12	1	i e i	GEEC/SOP/01/STK/CO
2	Sulphur Dioxide, (SO ₂)	ppm	< 1			GEEC/SOP/01/STK/S02
3	Oxides of Nitrogen, (as NO ₂)	ppm	31		100	GEEC/SOP/01/STK/N02
4	Carbon Dioxide, (CO ₂)	%	8.4	ı	•	GEEC/SOP/01STK/C02
5	Oxygen, (O ₂)	%	9.6	3		IS 13270
	Sam	pling Result	t of Flue Gas	(At Labor	ratory)	Market State of the State of th
SI. No.	Parameter	Unit	Resu	ilts	Emission Limit	Test Method
1	Particulate Matter	mg/Nm ³	5		-	IS 11255 Part-1
SI. No.	Type of Instrument & Mo	del No		16	Model & Mak	е
Stack Gas Analyzer Stack Monitoring Kit and			ental Eng		ech Pvt. Ltd SMS strument Pvt. Ltd	. Testo-340
	Checked by: Blaton Dr. Belinda Lahon Quality Manager		Coll Environment	eer & Consulti	Prar	eviewed by: njal Buragohain orised Signatory

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Flue Gas Monitoring DG Set - 650 KVA, Sl. No. CJGS17092099

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GEEC/FM/49

TEST REPORT

Report No:GEEC/FL	/22/STK/2024/09/05		Date:	29/09/2024	W1 19 10
Industry Name :	EXPRO NORTH SEA LIMITED La		Lab ID	GEEC/STK/2024/09/05	
Address:	C/O HOEC HMGPP,		Date of Sampling:	15/09/2024	
Village : Agbondha			Date of Receipt: 16/09/2024		
	Post Office : Margherita,		Test Start Date:	16/09/2024	
	District: Tinsukia, State : Assa	am	Test End Date:	17/09/2024	
	Stack De	staile Data	Provided By The Client	1110912024	
	DG Set - 650 KVA,	stalls Date	Fuel Used:		HSD
Stack Details	SI.No.CJGS17092099 Location: Area 10 HMGPP, Agbandha. Make:Jackson Ltd	l.	Raw Material :		-
Stack Height (m)	25.0		Sample Porthole height (GL)		10.00
Stack Diameter (m)	0.1		Area in m ²		0.008
Environn	nental Condition During Sam	pling (Am			33.6°C
	Flow Ch	aracterist	tics of Flue Gas (At Site)		Acceptance of the second processing
SI. No.	Parameter		Unit	Results	Test Method
1	Velocity		m/s	6.1	IS 11255 Part 3-SEC 2
2	Stack Temperature		°C	132.7	
3	Flow Rate		m³/s	0.048	
	Samp	ling Resu	It of Flue Gas (At Site)		
SI. No.	Parameter	Unit	Results	Emission Limit	Test Method
1	Carbon Monoxides , CO	g/kw-hr	0.28	≤ 3.5	GEEC/SOP/01/STK/CC
2	Carbon Dioxide CO ₂	%	6.6	-	IS 13270
3	Oxygen, O ₂	%	9.4	-	IS 13270
4	Sulphur Dioxide, (SO ₂)	ppm	< 1		
5	Oxides of Nitrogen, (as NO ₂)	ppm	290		
	Sampling	Result of	f Flue Gas (At Laboratory)		
SI. No.	Parameter	Unit	Results	Emission Limit	Test Method
1	Particulate Matter	g/kw-hr	0.02	≤ 0.2	IS 11255 Part-1
SI. No.	Type of Instrument		Model &		
1	Stack Gas Analyzer		Testo 340, Orsat Apparatus & \$	Stack Monitor	ing Kit: SMS-4
Monitored by:	Mr. Dilip Deka		The state of the s		1000 1000 1000 1000 1000 1000 1000 100
Remarks:	Environment (Protection) Amend amended vide GSR 520(E), date	ment Rules d 1st July 2	(upto 800 KW) for Generator Sets s 2002 vide GSR 371(E), dated 17 2003, GSR 448 (E) dated 12th July 8 under Environment (Protection)	th May 2002 at , 2004, GSR 5	SI. No. 95 and as
(d & Reviewed By: Belinda Lahon		Choose to See a se		uthorised by: injal Buragohain

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Quality Manager

Authorised Signatory

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NOISE MONITORING REPORT HMGPP





TEST REPORT

Format No:GEEC/FM/47A

ULR Nun	mber: TC599124000000122F											
Report No:GEEC/FL/22/SLM/2024/09/05					Date:		28/09/2024					
Name of	the Industry	EXPRO NORTH SEA LIMITED			Lab ld.:		GEEC/NLM/2024/09/05					
Address	-	C/O HOEC HMGPP, Village: Agbandha Post Office: Margherita District: Tinsukia State: Assam										
Noise Level Report												
Monitoring Location:		Hollong Modular Gas Processing Plant, Agbandha			Date of Monitoring:		14/09/2024					
Weather/Wind:		Partly Cloudy			Sound Level Meter :		SL-4023SD					
Monitored By:		Mr.Dilip Kr. Deka			SI.No. :		Q656054					
			Measurem	nent Resu	ults	W S						
	Location	Time	Unit	Sound Parameters		eters		CPCB Limit as per THE NOISE				
Sl. No.				Leq	Lmin	Lmax	Method	POLLUTION (REGULATION AND CONTROL) RULES, 2000 Leq (dBA)				
1	Area-20 (Near Slug Catcher)	Day	dB(A)	69.8	62.3	71.6	5 31 2017					
2	AREA - 70 (Bath Heater)	Day	dB(A)	68.5	62.8	72.4	Ambient Noise GEEC/SOP/AN/01 ssue date 27/05/2017	< 75				
3	Area - 40 (Near GG Area)	Day	dB(A)	66.8	62.4	70.2	Ambier EEC/SC Ie date	1/3				
4	Area-40 (Expro Office)	Day	dB(A)	57.6	55.6	68.2	B S					
Remark:	Noise level CPCB Limit Leq < 7	∕5 dBA L€	q									

Checked by

Dr. Belinda Lahon

Quality Manager

Consultation of the Consul

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Reviewed by:

Pranjal Buragohain Authorised Signatory

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WEATHER MONITORING Area 40 (Above Ware House 01)

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TEST REPORT

		IESTRE				
Report No:	GEEC/MISC/MI	DA/2024/09/02	Date:	28/09/2024		
Name of the Industry:	EXPRO NORTH	I SEA LTD	Lab ID:	GEEC/MISC/MDA/2024/09/02		
Address:	C/O HOEC HM Village: Agband Post Office: Mai	ha	Date of Sampling:	14/09/2024 to 15/09/2024		
	District:Tinsukia		Time of Sampling:	24 Hrs		
	WE	ATHER MONIT	ORING REPORT			
Location:	10 mm	ea 40 re House 01)	Monitored By:	Mr.Dilip Kr. Deka		
Ambient	Max	Min	- Humidity in %	Max	Min	
Temperature,°C	35.5	25.2	riamidity iii %	98	36	
Barometric Pressure	Max	Min	- Dew Point in°C	Max	Min	
in hpa	986.4	982.1	- Dew Point in C	29.1	22.5	
Wind Out of in Knowle	Day (Max)	Night (Max)	- Wind Direction	13 Hrs	20 Hrs	
Wind Speed in Kmph	5.4	0.0	- Wind Direction	sw	ENE	
SI. No.	Type of Instrum	ent	Model No.			
1	Logia 7-in-1		B08M598J5B (PRB08M598J5B)			
Checked By:	3	ginees & Cons	Reviewed by: Pranjal Buragohain			
Dr. Belinda Lahon Quality Manager		Ch. No.			Iragonain I Signatory	

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