



INDIA GLYCOLS LIMITED, LABORATORY

(A unit of India Glycols Limited, an ISO: 9001, ISO: 14001, OHSAS: 18001, ISO: 22000, FSSC: 22000, SA: 8000, ISO: 50001 certified Company)

A-1, Industrial Area Bazpur Road, Kashipur
District - Udham Singh Nagar - 244713 (Uttarakhand)
Email: igllabksp@gmail.com



Annexure-VIII

TEST REPORT

Test Report No: TR/SM/2020/08/17-001	:	Issued Date: 17.08.2020
Issued to	:	M/s India Glycols limited, Herbal Extraction Unit Plot No. 2-5, Pharma City, selaqui, Dehradun Uttarakhand
Sample Description	:	Stack Emission
Sampling Location	:	Boiler
Date of Sampling	:	10.08.2020
Capacity (TPH/ KVA/ Kg/Hr)	:	4 TPH
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	1.2
Height of Stack from Ground Level (M)	:	42
Type of Fuel used (HSD/FO/Coal etc.)	:	Briquette
Fuel consumed per Hour	:	--
Ambient Temperature (°C)	:	34
Stack Temperature (°C)	:	132
Average velocity of emission (m/sec)	:	10.95
Average Flow Rate (LPM)	:	15.0
Duration of Sampling (min.)	:	39 (1110 Hrs. to 1149 Hrs.)
Sampling Protocol	:	IS: 11255 & Customer Requirement
Sampling Packing & Marking	:	Sealed Zip Poly bag & Plastic bottles
Sample Drawn By	:	Mr. Deepak Sati & Team
Environmental Condition	:	Sunny Day
Date of Receipt of Sample:	:	12.08.2020
Analysis Duration	:	12.08.2020 to 13.08.2020

S.No	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM) @ 12% CO ₂ correction	mg/Nm ³	374.88	800	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	61.27	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	mg/Nm ³	69.82	NA	IS: 11255 (P-7) 2005

End of Report

(Pradeep Pathak)
(Checked By)



Note:

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TC - 7777

TEST REPORT

Test Report No: TR/SM/2020/08/17-002	:	Issued Date: 17.08.2020
Issued to	:	M/s India Glycols limited, Herbal Extraction Unit Plot No. 2-5, Pharma City, selaqui, Dehradun Uttarakhand
Sample Description	:	Stack Emission
Sampling Location	:	DG-1
Date of Sampling	:	10.08.2020
Capacity (TPH/ KVA/ Kg/Hr)	:	750 KVA
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	0.3
Height of Stack from Ground Level (M)	:	18
Type of Fuel used (HSD/FO/Coal etc.)	:	HSD
Fuel consumed per Hour	:	--
Ambient Temperature (°C)	:	33
Stack Temperature (°C)	:	335
Average velocity of emission (m/sec)	:	12.56
Average Flow Rate (LPM)	:	26.0
Duration of Sampling (min.)	:	23.0 (1615 Hrs. to 1638 Hrs.)
Sampling Protocol	:	IS: 11255 & Customer Requirement
Sampling Packing & Marking	:	Sealed Zip Poly bag & Plastic bottles
Sample Drawn By	:	Mr. Deepak sati & Team
Environmental Condition	:	Sunny Day
Date of Receipt of Sample:	:	12.08.2020
Analysis Duration	:	12.08.2020 to 13.08.2020

S.No	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM)	gm/Kw-hr	0.130	0.3	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	gm/Kw-hr	0.117	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	gm/Kw-hr	0.121	9.2	IS: 11255 (P-7) 2005

End of Report

(Pradeep Pathak)
(Checked By)

(Authorized Signatory)
(Dr. Chakresh Pathak)

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TC - 7777

TEST REPORT

Test Report No: TR/SM/2020/08/17-003	:	Issued Date: 17.08.2020
Issued to	:	M/s India Glycols limited, Herbal Extraction Unit Plot No. 2-5, Pharma City, selaqui, Dehradun Uttarakhand
Sample Description	:	Stack Emission
Sampling Location	:	DG-2
Date of Sampling	:	11.08.2020
Capacity (TPH/ KVA/ Kg/Hr)	:	750 KVA
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	0.3
Height of Stack from Ground Level (M)	:	18
Type of Fuel used (HSD/FO/Coal etc.)	:	HSD
Fuel consumed per Hour	:	--
Ambient Temperature (°C)	:	34
Stack Temperature (°C)	:	358
Average velocity of emission (m/sec)	:	14.87
Average Flow Rate (LPM)	:	13.0
Duration of Sampling (min.)	:	45 (1015 Hrs. to 1055 Hrs.)
Sampling Protocol	:	IS: 11255 & Customer Requirement
Sampling Packing & Marking	:	Sealed Zip Poly bag & Plastic bottles
Sample Drawn By	:	Mr. Deepak sati & Team
Environmental Condition	:	Sunny Day
Date of Receipt of Sample:	:	12.08.2020
Analysis Duration	:	12.08.2020 to 13.08.2020

S.No	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM)	gm/Kw-hr	0.147	0.3	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	gm/Kw-hr	0.118	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	gm/Kw-hr	0.143	9.2	IS: 11255 (P-7) 2005

End of Report

Pradeep Pathak
(Pradeep Pathak)
(Checked By)

India Glycols Limited Laboratory
Authorized Signatory
(Dr. Chakresh Pathak)

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TEST REPORT

Test Report No: TR/SM/2020/08/17-004	:	Issued Date: 17.08.2020
Issued to	:	M/s India Glycols limited, Herbal Extraction Unit Plot No. 2-5, Pharma City, selaqui, Dehradun Uttarakhand
Sample Description	:	Stack Emission
Sampling Location	:	DG-3
Date of Sampling	:	11.08.2020
Capacity (TPH/ KVA/ Kg/Hr)	:	1000 KVA
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	0.3
Height of Stack from Ground Level (M)	:	18
Type of Fuel used (HSD/FO/Coal etc.)	:	HSD
Fuel consumed per Hour	:	--
Ambient Temperature (°C)	:	35
Stack Temperature (°C)	:	348
Average velocity of emission (m/sec)	:	14.42
Average Flow Rate (LPM)	:	13.0
Duration of Sampling (min.)	:	46.0 (1430 Hrs. to 1516 Hrs.)
Sampling Protocol	:	IS: 11255 & Customer Requirement
Sampling Packing & Marking	:	Sealed Zip Poly bag & Plastic bottles
Sample Drawn By	:	Mr. Deepak sati & Team
Environmental Condition	:	Sunny Day
Date of Receipt of Sample:	:	12.08.2020
Analysis Duration	:	12.08.2020 to 13.08.2020

S.No	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM) @ 15% O ₂ correction	gm/Kw-hr	0.173	0.3	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	gm/Kw-hr	0.046	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	gm/Kw-hr	0.105	9.2	IS: 11255 (P-7) 2005

End of Report

Pradeep Pathak
(Pradeep Pathak)
(Checked By)

India Glycols Limited Laboratory
Pradeep Pathak
(Authorized Signatory)
Pradeep Pathak
Kashipur (U.K.)

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TEST REPORT

Test Report No. GNTR/AAQ/2020/08/17-001		Issue Date: 17.08.2020
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Work zone Air	
Sampling Location:	Solvent Area	
Date of Sampling:	11.08.2020	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "SR-1" & Absorbing Solution in Reagent Bottle Mark "SR-1"	
Sample Drawn by:	Mr. Deepak Sati & Team	
Date of Sample Receiving:	12.08.2020	
Time of Sampling:	8 Hrs. (0930 Hrs to 1730 Hrs)	
Environmental Condition:	Sunny Day	
Analysis Duration:	12.08.2020 to 15.08.2020	

RESULTS

S.No	Test Parameters	Units	Results	Permissible Limits (Factories Act 1948)	Test Method
1.	Suspended Particulate Matter	mg/m ³	0.623	10	IS :5182 (4) 1999
2.	Sulphur Dioxide (SO ₂)	mg/m ³	0.065	5.0	IS :5182 (2) 2001
3.	Nitrogen Oxides (as NO ₂)	mg/m ³	0.298	6.0	IS :5182 (6) 2006

End of Report


(Pradeep Pathak)
(Checked by)



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TEST REPORT


Test Report No. GNTR/AAQ/2020/08/17-002	Issue Date: 17.08.2020
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand
Type of Sample:	Work zone Air
Sampling Location:	CO ₂ Recovery
Date of Sampling:	11.08.2020
Mode of Collection of Sample:	Sampling by Laboratory
Packing, Marking & Seal:	Envelop marked as "C-1" & Absorbing Solution in Reagent Bottle Mark "C-1"
Sample Drawn by:	Mr. Deepak Sati & Team
Date of Sample Receiving:	12.08.2020
Time of Sampling:	8 Hrs. (1000 Hrs to 1800 Hrs)
Environmental Condition:	Sunny Day
Analysis Duration:	12.08.2020 to 15.08.2020

RESULTS

S.No	Test Parameters	Units	Results	Permissible Limits (Factories Act 1948)	Test Method
1.	Suspended Particulate Matter	mg/m ³	0.299	10	IS :5182 (4) 1999
2.	Sulphur Dioxide (SO ₂)	mg/m ³	0.075	5.0	IS :5182 (2) 2001
3.	Nitrogen Oxides (as NO ₂)	mg/m ³	0.184	6.0	IS :5182 (6) 2006

End of Report


(Pradeep Pathak)
(Checked by)


(Authorized Signatory)
Pradeep Pathak
Kashipur (U.K.)

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Annexure-X

TEST REPORT

Test Report No. TR/AAQ/2020/08/17-001		Issue Date: 17.08.2020	
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand		
Type of Sample:	Ambient Air		
Sampling Location:	Near Main Gate		
Date of Sampling:	10.08.2020 to 11.08.2020		
Mode of Collection of Sample:	Sampling by Laboratory		
Packing, Marking & Seal:	Envelop marked as "MG-1" Absorbing Solution in Reagent Bottle Marked "MG-1"		
Sampling Protocol:	IS: 5182 (P-14)		
Sample Drawn by:	Mr. Deepak Sati & Team		
Date of Sample Receiving:	12.08.2020		
Time of Sampling:	24 Hrs (0900 Hrs. to 0900 Hrs.)		
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009		
Environmental Condition:	Sunny day		
Analysis Duration:	12.08.2020 to 15.08.2020		

RESULTS

S.No	Test Parameters	Units	Results	NAAQS, 2009		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM _{2.5})	µg/m ³	37.73	Annual*	40	US EPA 40 CFR(P-50)
				24 Hours**	60	
2.	Particulate Matter (PM ₁₀)	µg/m ³	81.99	Annual*	60	IS:5182 (23) 2006
				24 Hours**	100	
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.33	Annual*	50	IS :5182 (2) 2001
				24 Hours**	80	
4.	Nitrogen Oxides (as NO ₂)	µg/m ³	18.50	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	
5.	Ammonia	µg/m ³	BDL	Annual*	100	APHA Ind Ed. 1977 Method -801
				24 Hours**	400	
6.	Ozone (8 Hours)	µg/m ³	BDL	8 Hours*	100	IS :5182 (IX)-1974 R 2003
				1 Hour**	180	

*Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

**24 hourly 08 hourly or 1 hourly monitored values, as applicable shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

BDL – Below Detection Limit (Detection Limit – Ammonia : 10.0 µg/m³, Ozone - 10.0 µg/m³)

End of Report

(Checked by)
(Pradeep Pathak)



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TEST REPORT

Test Report No. TR/AAQ/2020/08/17-002		Issue Date: 17.08.2020
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Air	
Sampling Location:	Near Boiler	
Date of Sampling:	10.08.2020 to 11.08.2020	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "B-1" Absorbing Solution in Reagent Bottle Marked "B-1"	
Sampling Protocol:	IS: 5182 (P-14)	
Sample Drawn by:	Mr. Deepak Sati & Team	
Date of Sample Receiving:	12.08.2020	
Time of Sampling:	24 Hrs (0920 Hrs. to 0920 Hrs.)	
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009	
Environmental Condition:	Sunny day	
Analysis Duration:	12.08.2020 to 15.08.2020	

RESULTS

S.No	Test Parameters	Units	Results	NAAQS, 2009		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM _{2.5})	µg/m ³	36.74	40	60	US EPA 40 CFR(P-50)
2.	Particulate Matter (PM ₁₀)	µg/m ³	77.33	60	100	IS:5182 (23) 2006
3.	Sulphur Dioxide (SO ₂)	µg/m ³	10.68	50	80	IS :5182 (2) 2001
4.	Nitrogen Oxides (as NO ₂)	µg/m ³	17.45	40	80	IS :5182 (6) 2006
5.	Ammonia	µg/m ³	BDL	100	400	APHA Ind Ed. 1977 Method -801
6.	Ozone (8 Hours)	µg/m ³	BDL	100	180	IS :5182 (IX)-1974 R 2003

*Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

**24 hourly 08 hourly or 1 hourly monitored values, as applicable shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

BDL – Below Detection Limit (Detection Limit – Ammonia: 10.0 µg/m³, Ozone - 10.0 µg/m³)

End of Report

Pradeep Pathak
(Pradeep Pathak)
(Checked by)

India Glycols Limited Laboratory
(Authorized Signatory)
Pradeep Pathak
Kashipur, (U.K.)

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TEST REPORT

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Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand		
Type of Sample:	Ambient Air		
Sampling Location:	Near STP cum ETP		
Date of Sampling:	11.08.2020 to 12.08.2020		
Mode of Collection of Sample:	Sampling by Laboratory		
Packing, Marking & Seal:	Envelop marked as "SE-1" Absorbing Solution in Reagent Bottle Marked "SE-1"		
Sampling Protocol:	IS: 5182 (P-14)		
Sample Drawn by:	Mr. Deepak Sati & Team		
Date of Sample Receiving:	12.08.2020		
Time of Sampling:	24 Hrs (0930 Hrs. to 0930 Hrs.)		
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009		
Environmental Condition:	Sunny day		
Analysis Duration:	12.08.2020 to 15.08.2020		

RESULTS

S.No	Test Parameters	Units	Results	NAAQS, 2009		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM _{2.5})	µg/m ³	38.27	Annual*	40	US EPA 40 CFR(P-50)
				24 Hours**	60	
2.	Particulate Matter (PM ₁₀)	µg/m ³	82.96	Annual*	60	IS:5182 (23) 2006
				24 Hours**	100	
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.22	Annual*	50	IS :5182 (2) 2001
				24 Hours**	80	
4.	Nitrogen Oxides (as NO ₂)	µg/m ³	22.09	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	
5.	Ammonia	µg/m ³	BDL	Annual*	100	APHA IInd Ed. 1977 Method -801
				24 Hours**	400	
6.	Ozone (8 Hours)	µg/m ³	BDL	8 Hours*	100	IS :5182 (IX)-1974 R 2003
				1 Hour**	180	

*Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

**24 hourly 08 hourly or 1 hourly monitored values, as applicable shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

BDL – Below Detection Limit (Detection Limit – Ammonia : 10.0 µg/m³, Ozone - 10.0 µg/m³)

End of Report

Pradeep Pathak
(Pradeep Pathak)
(Checked by)

India Glycols Limited Laboratory
Authorized Signatory
(Authorized Signatory)
(Dr. Pradeep Pathak)

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Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand		
Type of Sample:	Ambient Air		
Sampling Location:	Near Solvent Yard		
Date of Sampling:	11.08.2020 to 12.08.2020		
Mode of Collection of Sample:	Sampling by Laboratory		
Packing, Marking & Seal:	Envelop marked as "SY-1" Absorbing Solution in Reagent Bottle Marked "SY-1"		
Sampling Protocol:	IS: 5182 (P-14)		
Sample Drawn by:	Mr. Deepak Sati & Team		
Date of Sample Receiving:	12.08.2020		
Time of Sampling:	24 Hrs (1000 Hrs. to 1000 Hrs.)		
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009		
Environmental Condition:	Sunny day		
Analysis Duration:	12.08.2020 to 15.08.2020		

RESULTS

S.No	Test Parameters	Units	Results	NAAQS, 2009		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM _{2.5})	µg/m ³	38.93	Annual*	40	US EPA 40 CFR(P-50)
				24 Hours**	60	
2.	Particulate Matter (PM ₁₀)	µg/m ³	80.63	Annual*	60	IS:5182 (23) 2006
				24 Hours**	100	
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.76	Annual*	50	IS :5182 (2) 2001
				24 Hours**	80	
4.	Nitrogen Oxides (as NO ₂)	µg/m ³	23.75	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	
5.	Ammonia	µg/m ³	BDL	Annual*	100	APHA IInd Ed. 1977 Method -801
				24 Hours**	400	
6.	Ozone (8 Hours)	µg/m ³	BDL	8 Hours*	100	IS :5182 (IX)-1974 R 2003
				1 Hour**	180	

*Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

**24 hourly 08 hourly or 1 hourly monitored values, as applicable shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

BDL – Below Detection Limit (Detection Limit – Ozone - 10.0 µg/m³)

End of Report

Pradeep Pathak
(Pradeep Pathak)
(Checked by)

Pradeep Pathak
(Authorized Signatory)
(Dr. Chintan Pathak)
Kashipur (U.K.)

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INDIA GLYCOLS LIMITED, LABORATORY

(A unit of India Glycols Limited, an ISO: 9001, ISO: 14001, OHSAS: 18001, ISO: 22000, FSSC: 22000, SA: 8000, ISO: 50001 certified Company)

A-1, Industrial Area Bazpur Road, Kashipur
District - Udham Singh Nagar - 244713 (Uttarakhand)
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TC - 7777

Annexure- VII

TEST REPORT

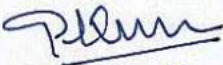
Test Report No. TR/NQ/2020/08/17-001		Issue Date: 17.08.2020
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Noise	
Sampling Location:	Near D.G. Set	
Date of Sampling:	11.08.2020	
Sampling Protocol:	IS: 9989: 1981 Ref. 2001	
Sample Drawn by:	Mr. Deepak Sati & Team	
Date of Receipt of Sample:	12.08.2020	
Date of Reporting:	13.08.2020	

RESULTS

S.No	Test Parameters	Unit	Result	Standards*	Test Method
1.	Average Noise Level Day Time (1 Hour Leq)	dB (A)	71.2	75	IS: 9989: 1981 Ref. 2001

Standards: Noise-Ambiebt Air Quality for Industrial Area

End of Report


(Pradeep Pathak)
(Checked by)


(Authorized Signatory)

Kashipur (U.P.)

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TEST REPORT

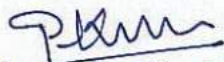
Test Report No. TR/NQ/2020/08/17-002		Issue Date: 17.08.2020
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Noise	
Sampling Location:	Near Main Gate	
Date of Sampling:	11.08.2020	
Sampling Protocol:	IS: 9989: 1981 Ref. 2001	
Sample Drawn by:	Mr. Deepak Sati & Team	
Date of Receipt of Sample:	12.08.2020	
Date of Reporting:	13.08.2020	

RESULTS

S.No	Test Parameters	Unit	Result	Standards*	Test Method
1.	Average Noise Level Day Time (1 Hour Leq)	dB (A)	71.6	75	IS: 9989: 1981 Ref. 2001

Standards: Noise-Ambiebt Air Quality for Industrial Area

End of Report


(Pradeep Pathak)
(Checked by)


(Authorized Signatory)
(Dr. Chaitanesh Pathak)

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TC - 7777

TEST REPORT

Test Report No. TR/NQ/2020/08/17-003		Issue Date: 17.08.2020
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Noise	
Sampling Location:	Near Boiler	
Date of Sampling:	11.08.2020	
Sampling Protocol:	IS: 9989: 1981 Ref. 2001	
Sample Drawn by:	Mr. Deepak Sati & Team	
Date of Receipt of Sample:	12.08.2020	
Date of Reporting:	13.08.2020	

RESULTS

S.No	Test Parameters	Unit	Result	Standards*	Test Method
1.	Average Noise Level Day Time (1 Hour Leq)	dB (A)	72.6	75	IS: 9989: 1981 Ref. 2001

Standards: Noise-Ambient Air Quality for Industrial Area

End of Report


(Pradeep Pathak)
(Checked by)


(Authorized Signatory)
Signatory
Dr. Chaleresh Pathak
Kashipur (Uttarakhand)

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TEST REPORT

Test Report No: TR/GW/2020/08/17-001				Issued Date: 17.08.2020		
Issued to:		M/s India Glycols limited, Herbal Extraction Unit Plot No. 2-5, Pharma City, Selaqui, Dehradun Uttarakhand				
Type of Sample:		Ground Water				
Sampling Location:		Borewell				
Sample Quantity:		2 Ltr.				
Date of Sampling:		12.08.2020				
Sampling Protocol:		IS: 3025 (P-1)				
Sample Packaging & Marking:		Plastic Bottle Marked "1"				
Sample Drawn by:		Mr. Deepak Sati & Team				
Environmental Condition:		Sunny day				
Date of Receipt of Sample:		12.08.2020				
Analysis Duration:		13.08.2020 to 15.08.2020				
S.No	Test Parameters	Units	Results	Specification IS:10500, 2012		Test Method
				Acceptable Limit	Permissible Limit	
A. Physical Parameters						
1.	pH value	--	7.18	6.5 to 8.5	No relaxation	IS: 3025(P-11) 1983 R-2002
2.	Colour	Hazen	< 5.0	Max 5	Max 15	IS: 3025(P-4)1983 R-2002
3.	Total Dissolved Solids	mg/l	240.0	Max 500	Max 2000	IS: 3025 (P-16): 1984
4.	Turbidity	NTU	< 1.0	Max 1	Max 5	IS: 3025 (P- 10) 1984 R-2002
B. Chemical Parameters						
5.	Total Hardness (as CaCO ₃)	mg/l	162.4	Max 200	Max 600	IS: 3025(P-21) 1983 R-2002
6.	Chlorides (as Cl)	mg/l	21.86	Max 250	Max 1000	IS: 3025 (P-32) 1988
7.	Calcium (as Ca)	mg/l	31.7	Max. 75	Max. 200	IS:3025 (P-40) 1991
8.	Magnesium (as Mg)	mg/l	16.69	Max. 30	Max. 100	IS:3025 (P-46): 1994
9.	Sulphate (as SO ₄)	mg/l	14.3	Max 200	Max 400	IS: 3025 (P-24) 1986 R-2003
10.	Total Alkalinity	mg/l	154.0	Max 200	Max 600	IS:3025 (P-23) 1986 R-2003

End of Report

Pradeep Pathak
(Checked by)



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TC - 7777

TEST REPORT

Annexure-IX

Test Report No: TR/WW/2020/08/17-001			Issued Date: 17.08.2020		
Issued to:		M/s India Glycols limited, Herbal Extraction Unit Plot No. 2-5, Pharma City, selaqui, Dehradun Uttarakhand			
Type of Sample:		Waste Water			
Sampling Location:		STP Cum ETP Outlet			
Sample Quantity:		2 Liter + 1 Liter			
Date of Sampling:		11.08.2020			
Sampling Protocol:		IS:3025 (P-1)			
Sample Packaging & Marking:		Plastic Bottle Marked "1" & Glass Bottle Marked "1"			
Sample Drawn by:		Mr. Deepak sati & Team			
Environmental Condition:		Sunny day			
Date of Receipt of Sample:		12.08.2020			
Analysis Duration:		12.08.2020 to 15.08.2020			
S. No	Test Parameters	Units	Results	Limits	Test Method
A Physical Parameters					
1.	pH Value	-	7.53	5.5 to 9.0	IS: 3025(P-11) 1983, R-2002
2.	Total Suspended Solids	mg/l	40.0	100	IS: 3025(P-17) 1984, R-2002
B Chemical Parameters					
3.	Chemical Oxygen Demand (COD)	mg/l	76.0	250	IS: 3025 (P-58) 2006
4.	Biological Oxygen Demand (BOD)@ 27°C for 3 Days	mg/l	22.0	30	IS: 3025 (P-44) 1993
5.	Oil & Grease	mg/l	< 4.0	10	IS: 3025 (P-39) 1991, R-2003

End of Report

(Pradeep Parthak)
(Checked By)

(Anand K. Sawla)
(Authorized Signatory)

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