

(NABL ACCREDITED 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

TEST REPORT

			I LOSI KEI	<u>UN1</u>				
Test	Report No. TR/AAQ/201			Issue	Date: 11	1.09.2018		
Issue	d to:	M/s India Gl	M/s India Glycols Limited					
			rial Area, Baz					
		Kashipur – 2	44713, U. S. J	Nagar (Uttarakh	and)			
Type	of Sample:	Ambient Air		- War (Ottalian)				
	ing Location:	Bio Gas Plan	t		,			
	of Sampling:	04.09.2018 to	05.09.2018					
Mode	of Collection of Sample:	Sampling by						
ackir	ng, Marking & Seal:	Fliter Paper in	n Plastic Enve	lon Absorbing	Solution	in Reagent Bottle.		
Sampl	ing Protocol:	IS: 5182 (P-1	4)	rop, resorong	Solution	in Reagent Bottle.		
	e Drawn by:	Mr. Satveer Y		1				
)ate o	f Sample Receiving:	05.09.2018						
	of Sampling:	24 Hrs (0900	Hrs to 0900 F	Irs)				
esting	g Protocol:	National Amb	ient Air Qual	ity Standards (N	JA AOS)	2000		
Enviro	nmental Condition:	Partially Cloud	у	ity Standards (1	MAQS)	2009		
nalys	is Duration:	05.09.2018 to						
			RESULTS			The state of the s		
S.No	Test Parameters	Units	Results	NAAC	QS	Test Method		
1.	Particulate Matter (PM ₁₀)	μg/m³	83.41	Annual*	60	YO 5100 (00)		
	(2 11210)	μдуш	05.41	24 Hours**	100	IS:5182 (23) 2006		
2.	Sulphur Dioxide (SO ₂)	μg/m³	14.69	Annual*	50	IS :5182 (2) 2001		
	***************************************		71.05	24 Hours**	80	13 .3182 (2) 2001		
3.	Nitrogen Oxides (as NO ₂)	μg/m³	31.94	Annual*	40	IS :5182 (6) 2006		
				24 Hours**	80	-5 .5 . 5 2 (0) 2000		
4.	Particulate Matter (PM _{2.5})	μg/m³	42.02	Annual* 24 Hours**	40	Lab STP/018-A		
_	· ·			Annual*	60			
5.	Ammonia	μg/m ³	10.72	24 Hours**	100	Lab STP/018-B		
6.	Ozone (8 Hours)	, 3		8 Hours*	100	IS :5182 (IX)-1974 F		
0.	Ozone (o nouis)	μg/m³	12.79	1 Hour**	180	2003		
7.	Carbon Monoxide (as CO)	3	ND	8 Hours*	02	Electrochemical		
	(1Hour)	mg/m ³	ND	1 Hour**	04	Method		
8.	Lead (as Pb)	μg/m³	< 0.1	Annual*	0.5	IS :5182 (P-22) 2004		
	(4010)	μg/III	< 0.1	24 Hours**	1.0	& APHA		

Contd-2

Note:

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Email: igllabksp@gmail.com

:2:

9.	Nickel (as Ni)	ng/m³	2.22	Annual*	20	IS:5182 (P-23) 2004
* Annual A	rithmetic man of minimum.	04				& APHA

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.

Parameter mentioned from S. No. 4 to 9 are not cover under our Scope.

ND- Not detected

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

l est	Report No. TR/AAQ/201			Issue	Date: 11	.09.2018
Issue	d to:	M/s India Gly				
		A – 1 Industr	ial Area, Baz	pur Road		
		Kashipur – 24	44713, U. S. I	Nagar (Uttarakl	and)	
Type	of Sample:	Ambient Air		0 (0)		
Samp	ling Location:	Coal Yard				
	of Sampling:	07.09.2018 to	08.09.2018			
Mode	of Collection of Sample:	Sampling by 1				
Packit	ng, Marking & Seal:	Fliter Paper in	Plastic Enve	lon Absorbing	Solution	in Reagent Bottle.
	ing Protocol:	IS: 5182 (P-14	4)	rop, riosoronig	Solution	in Reagent Bottle.
Sampl	e Drawn by:	Mr. Satveer Y		7		
Date o	of Sample Receiving:	08.09.2018		-		
Time o	of Sampling:	24 Hrs (1115)	Hrs to 1115 F	Hrs)		
Cestin	g Protocol:			ity Standards (1	JAAOS	2000
Enviro	nmental Condition:	Sunny Day	Tent Thi Quan	ity Standards (1	MANQS)	2009
Analys	sis Duration:	08.09.2018 to	09.09.2018			
			RESULTS			
S.No	Test Parameters	Units	Results	NAAC	QS	Test Method
1.	Particulate Matter (PM ₁₀)	μg/m³	88.27	Annual*	60	IG 6100 (00) 0001
		μд/ш	88.21	24 Hours**	100	IS:5182 (23) 2006
2.	Sulphur Dioxide (SO ₂)	μg/m³	14.84	Annual*	50	IS :5182 (2) 2001
		18		24 Hours**	80	13 .3182 (2) 2001
3.	Nitrogen Oxides (as NO ₂)	μg/m³	32.67	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	10 .5102 (0) 2000
4.	Particulate Matter (PM _{2.5})	μg/m³	43.21	Annual*	40	Lab STP/018-A
_				24 Hours** Annual*	60	
5.	Ammonia	μg/m³	12.18	24 Hours**	100	Lab STP/018-B
~	O (9 II)	, 3	2 2 2 2	8 Hours*	100	IS :5182 (IX)-1974 R
6.	Ozone (8 Hours)	μg/m³	14.65	1 Hour**	180	2003
7.	Carbon Monoxide (as CO)	, 3		8 Hours*	02	Electrochemical
7.	(1Hour)	mg/m ³	ND	1 Hour**	04	Method
8.	Lead (as Pb)	. / 3		Annual*	0.5	IS :5182 (P-22) 2004
0.	Leau (as ru)	μg/m³	< 1.0	24 Hours**	1.0	& APHA

Contd-2

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²⁾ This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

⁴⁾ The Test sample will be disposed off after one week from the date of issue of test report, unless until specified by the customer.



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District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

:2:

9.	Nickel (as Ni)	ng/m³	4.44	Annual*	20	IS :5182 (P-23) 2004 & APHA	
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* 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.

Parameter mentioned from S. No. 4 to 9 are not cover under our Scope.

ND- Not detected

End of Report

(Property Procedure)

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Email: igllabksp@gmail.com

TEST REPORT

			TEST REP	<u>UKI</u>				
Test	Report No. TR/AAQ/201		2000-	Issue	Date: 11	.09.2018		
Issue	d to:	M/s India Glycols Limited						
		A-1, Industrial Area, Bazpur Road						
		Kashipur – 2	44713. U. S.	Nagar (Uttarakh	and)			
Type	of Sample:	Ambient Air	,	Tugui (Otturukii	and)			
Samp	ling Location:	Fire Station	***************************************					
Date o	of Sampling:	06.09.2018 to	07 09 2018					
Mode	of Collection of Sample:	Sampling by						
Packir	ng, Marking & Seal:	Fliter Paper in	Plastic Enve	lon Absorbing	Colution	in Reagent Bottle.		
Sampl	ing Protocol:	IS: 5182 (P-1	4)	rop, riosoronig	Solution	in Reagent Bottle.		
	e Drawn by:	Mr. Satveer Y		1		700		
	of Sample Receiving:	07.09.2018						
Cime o	of Sampling:	24 Hrs (1030	Hrs to 1030 F	frs)				
	g Protocol:	National Amb	ient Air Qual	ity Standards (N	(2OAAI	2000		
Enviro	nmental Condition:	Sunny Day		ity outilities (1	mings).	2009		
Analys	sis Duration:	07.09.2018 to	08.09.2018					
			RESULTS					
S.No	Test Parameters	Units	Results	NAAC	QS .	Test Method		
1.	Particulate Matter (PM ₁₀)	μg/m³	83.19	Annual*	60	10 5100 (51)		
		μд/п	83.19	24 Hours**	100	IS:5182 (23) 2006		
2.	Sulphur Dioxide (SO ₂)	μg/m³	11.78	Annual*	50	IC .5192 (2) 2001		
7		7-0	11.70	24 Hours**	80	IS :5182 (2) 2001		
3.	Nitrogen Oxides (as NO ₂)	μg/m³	25.89	Annual*	40	IS :5182 (6) 2006		
3.1			-	24 Hours**	80	10 .5102 (0) 2000		
4.	Particulate Matter (PM _{2.5})	μg/m³	44.14	Annual* 24 Hours**	40	Lab STP/018-A		
				Annual*	100			
5.	Ammonia	μg/m ³	10.72	24 Hours**	400	Lab STP/018-B		
6.	Ozone (8 Hours)	/3	10.50	8 Hours*	100	IS :5182 (IX)-1974 F		
0.		μg/m³	12.62	1 Hour**	180	2003		
7	Carbon Monoxide (as CO)	mg/m ³	ND	8 Hours*	02	Electrochemical		
7. (1Hour)		mg/m	ND	1 Hour**	04	Method		
٠.	(1Hour)			I Hour	04	Michiga		
8.	(1Hour) Lead (as Pb)	μg/m³	< 1.0	Annual*	0.5	IS :5182 (P-22) 2004		

Contd-2

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District - Udham Singh Nagar - 244713 (Uttarakhand)

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:2:

9.	Nickel (as Ni)	ng/m³	2.77	Annual*	20	IS:5182 (P-23) 2004
* Annual	Arithmetic mean of minimum 1	04				& APHA

hmetic 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.

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TEST REPORT

Test	Report No. TR/AAQ/201			Issue	Date: 11	1.09.2018		
Issue	d to:	M/s India Gl	M/s India Glycols Limited					
		A – ,1 Indust	rial Area, Baz	zpur Road				
		Kashipur – 2	44713, U. S. J	Nagar (Uttarakh	and)			
Type	of Sample:	Ambient Air		Bax (Ottaration	unu)			
	ling Location:	IGL Colony						
Date of	of Sampling:	08.09.2018 to	09.09.2018					
Mode	of Collection of Sample:	Sampling by	Laboratory					
Packii	ng, Marking & Seal:	Fliter Paper in	Plastic Enve	elon Absorbing	Solution	in Reagent Bottle.		
Sampl	ing Protocol:	IS: 5182 (P-1	4)	rop, riosoromg	Solution	in Reagent Bottle.		
Sampl	e Drawn by:	Mr. Satveer Y		1				
Date o	of Sample Receiving:	10.09.2018	- Cull	-				
	of Sampling:	24 Hrs (1130	Hrs to 1130 F	Hrs)				
	g Protocol:	National Amb	ient Air Qual	ity Standards (N	IAAOSI	2000		
Enviro	nmental Condition:	Sunny Day	- Quan	ity Standards (1	(AAQS)	2009		
Analys	sis Duration:	10.09.2018 to	11.09.2018					
			RESULTS			1000		
S.No	Test Parameters	Units	Results	NAA(QS .	Test Method		
1.	Particulate Matter (PM ₁₀)	μg/m³	81.03	Annual*	60	IS:5192 (22) 2006		
-				24 Hours**	100	IS:5182 (23) 2006		
2.	Sulphur Dioxide (SO ₂)	μg/m ³	8.43	Annual*	50	IS :5182 (2) 2001		
				24 Hours** Annual*	80	10 .5102 (2) 2001		
3.	Nitrogen Oxides (as NO ₂)	μg/m³	26.86	24 Hours**	40 80	IS :5182 (6) 2006		
4.	Destinate May (D) (, 3		Annual*	40	``		
4.	Particulate Matter (PM _{2.5})	μg/m³	37.45	24 Hours**	60	Lab STP/018-A		
5.	Ammonia	3	< 10.0	Annual*	100			
٥.	Zimiloma	μg/m³	< 10.0	24 Hours**	400	Lab STP/018-B		
6.	Ozone (8 Hours)	μg/m³	< 10.0	8 Hours*	100	IS :5182 (IX)-1974 F		
			10.0	1 Hour**	180	2003		
7.	Carbon Monoxide (as CO)	mg/m³	ND	8 Hours*	02	Electrochemical		
	(1Hour)		ND	l Hour**	04	Method		
8.	Lead (as Pb)	μg/m³	< 1.0	Annual*	0.5	IS :5182 (P-22) 2004		
	The second of th	mg	1.0	24 Hours**	1.0	& APHA		

Contd-2

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District - Udham Singh Nagar - 244713 (Uttarakhand)

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:2:

9.	Nickel (as Ni)	ng/m³	1.11	Annual*	20	IS:5182 (P-23) 2004
* Annual	Arithmetic mean of minimum 1	04 magazza	0.000.000.000		20	& APHA

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.

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Email: igllabksp@gmail.com

TEST REPORT

Test	Report No. TR/AAQ/201	9/00/11 003	IEST KEP					
Issue	d to:		1- T	Issue	Date: 1	1.09.2018		
10000	u 10.	M/s India Glycols Limited						
		A-1, Indust	rial Area, Ba	zpur Road				
		Kashipur – 2	44713, U.S.	Nagar (Uttarakl	nand)			
	of Sample:	Ambient Air				1900		
	ling Location:	Main Gate	-					
	of Sampling:	05.09.2018 to	06.09.2018					
Mode	of Collection of Sample:	Sampling by						
Packin	ng, Marking & Seal:	Fliter Paper in	n Plastic Enve	elon Absorbing	Solution	in Reagent Bottle.		
Sampl	ling Protocol:	IS: 5182 (P-1	4)	prop, riosoromg	Solution	in Reagent Bottle.		
	e Drawn by:	Mr. Deepak S						
Date o	of Sample Receiving:	06.09.2018	A VALLE					
	of Sampling:	24 Hrs (0945	Hrs to 0945 F	-Irs)				
	g Protocol:	National Amh	ient Air Oual	ity Standards (1	TAAOGY	2000		
Enviro	nmental Condition:	Sunny Day	Qua	ity Diamuaius (1	(CONAV	2009		
Analys	sis Duration:	06.09.2018 to	07.00.2019					
		0.07.2010 10	RESULTS	The state of the s				
S.No	Test Parameters	Units	Results	NAAA	26			
		CIRES	Results	NAAC		Test Method		
1.	Particulate Matter (PM ₁₀)	$\mu g/m^3$	84.62	Annual*	60	IS:5182 (23) 2006		
_				24 Hours**	100	10.0102 (23) 2000		
2.	Sulphur Dioxide (SO ₂)	μg/m³	11.41	Annual*	50	IS :5182 (2) 2001		
2	Ni 0 11 / 272 1			24 Hours** Annual*	80	(2) 2001		
3.	Nitrogen Oxides (as NO ₂)	μg/m³	23.71	24 Hours**	40 80	IS :5182 (6) 2006		
4.	Particulate Matter (DM)	, , 3	22027	Annual*	40			
	Particulate Matter (PM _{2.5})	μg/m³	41.54	24 Hours**	60	Lab STP/018-A		
5.	Ammonia	3	10.40	Annual*	100			
	·······································	μg/m ³	10.48	24 Hours**	400	Lab STP/018-B		
6.	Ozone (8 Hours)	μg/m³	11.88	8 Hours*	100	IS :5182 (IX)-1974 I		
			11.00	1 Hour**	180	2003		
7.	Carbon Monoxide (as CO)	mg/m ³	ND	8 Hours*	02	Electrochemical		
(1Hour)		mg/m	עא	1 Hour**	04	Method		
NO CO.				1				
8.	Lead (as Pb)	μg/m³	< 1.0	Annual*	0.5	IS:5182 (P-22) 2004		

Contd-2

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District - Udham Singh Nagar - 244713 (Uttarakhand)

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:2:

9.	Nickel (as Ni)	ng/m³	1.67	Annual*	20	IS :5182 (P-23) 2004
* Annual A	Arithmetic mean of minimum 1	04 managements in a				& APHA

asurements 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. Parameter mentioned from S. No. 4 to 9 are not cover under our Scope.

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District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-007	:	Issued Date: 11.09.2018	-
Issued to	:	M/s India Glycols Limited	
		A – 1 Industrial Area, Bazpur Road	
		Kashipur – 244713 (Uttarakahand)	
Sample Description	:	Stack Emission	
Sampling Location	:	Stack of DG 1 & 2	
Date of Sampling	:	07.09.2018	
Capacity (TPH/ KVA/ Kg/Hr)	:	3.0 MW	
Type of Stack (Metal/RCC/Brick)	:	Metal	
Shape of Stack (Circular/Rectangular)	:	Circular	-
Diameter of Stack (Meter)	:	2	-
Height of Stack from Ground Level (M)	:	30.48	-
Type of Fuel used (HSD/FO/Coal etc.)	:	RFO/FO	\dashv
Fuel consumed per Hour	:	610 Kg	\dashv
Ambient Temperature (°C)	:	33	-
Stack Temperature (°C)	:	105	-
Average velocity of emission (m/sec)	:	8.59	-
Average Flow Rate (LPM)	:	13	\dashv
Duration of Sampling (min.)	:	47 (1010 Hrs to 1057 Hrs)	-
Sampling Protocol	:	IS:11255	-
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle	+
Sample Drawn By	:	Mr. Satveer Yadav & Team	-
Environmental Condition	:	Clear Sky	-
Date of Receipt of Sample:	:	07.09.2018	1
Analysis Duration	:	07.09.2018 to 08.09.2018	+

RESULTS								
S.No	Test Parameter	Unit	Results	Emission Limits	Test Method			
1.	Particulate Matter (PM) @ 15% O ₂ correction	mg/Nm³	56.65	150	IS: 11255 (P-1) 1985			
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	48.34	-	IS: 11255 (P-2) 1985			
3.	Nitrogen Oxides (as NO _x) 15% O₂ correction	ppmv	32.10	1100	IS: 11255 (P-7) 2005			

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(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

TEST REPORT

Test Report No: TR/SM/2018/09/11-008	:	Issued Date: 11.09.2018	
Issued to	:	M/s India Glycols Limited	
		A – 1 Industrial Area, Bazpur Road	
		Kashipur – 244713, U. S. Nagar (Uttarakhand)	
Sample Description	:	Stack Emission	
Sampling Location	:	Stack of DG-3	
Date of Sampling	:	07.09.2018	
Capacity (TPH/ KVA/ Kg/Hr)	:	4 MW	
Type of Stack (Metal/RCC/Brick)	:	Metal	
Shape of Stack (Circular/Rectangular)	:	Circular	
Diameter of Stack (Meter)	:	1.5	
Height of Stack from Ground Level (M)	:	46	
Type of Fuel used (HSD/FO/Coal etc.)	:	RFO/FO	
Fuel consumed per Hour	:	810 Kg	
Ambient Temperature (°C)	:	34	
Stack Temperature (°C)	:	116	
Average velocity of emission (m/sec)	:	8.68	
Average Flow Rate (LPM)	:	13	
Duration of Sampling (min.)	:	47 (1110 Hrs to 1157 Hrs)	
Sampling Protocol	:	IS:11255	
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle	
Sample Drawn By	:	Mr. Deepak Sati & Team	
Environmental Condition	:	Clear Sky	
Date of Receipt of Sample:	:	07.09.2018	
Analysis Duration	:	07.09.2018 to 08.09.2018	

			RESULTS		
S.No	Test Parameter	Unit	Results	Emission Limits	Test Method
1.	Particulate Matter (PM) @ 15% O ₂ correction	mg/Nm³	44.73	150.0	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	49.09		IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x) 15% O ₂ correction	ppmv	66.82	1100	IS: 11255 (P-7) 2005

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-009	:	Issued Date: 11.09.2018	
Issued to	:		
		A - 1 Industrial Area, Bazpur Road	
		Kashipur – 244713	
Sample Description	:	Stack Emission	
Sampling Location	:	Stack of DG - 4	
Date of Sampling	:	07.09.2018	
Capacity (TPH/ KVA/ Kg/Hr)	:	4 MW	
Type of Stack (Metal/RCC/Brick)	:	Metal	
Shape of Stack (Circular/Rectangular)	:	Circular	
Diameter of Stack (Meter)	:	1.5	
Height of Stack from Ground Level (M)	:	46	
Type of Fuel used (HSD/FO/Coal etc.)	:	RFO/FO	
Fuel consumed per Hour	:	810 Kg	
Ambient Temperature (°C)	:	33	
Stack Temperature (°C)	:	119	
Average velocity of emission (m/sec)	:	8.94	
Average Flow Rate (LPM)	:	13	
Duration of Sampling (min.)	:	46 (1550 Hrs to 1636 Hrs)	
Sampling Protocol	:	IS:11255	
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle	
ample Drawn By	:	Mr. Satveer Yadav & Team	
Environmental Condition	:	Partially Cloudy	
Pate of Receipt of Sample:	:	07.09.2018	
nalysis Duration	:	07.09.2018 to 08.09.2018	

			RESULTS		
S.No	Test Parameter	Unit	Results	Emission Limits	Test Method
1.	Particulate Matter (PM) @ 15% O ₂ correction	mg/Nm³	50.63	150.0	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	48.72		IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x) 15% O ₂ correction	ppmv	65.64	1100	IS: 11255 (P-7) 2005

End of Report

Note:

(Checked B

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-003	:	Issued Date: 11.09.2018	
Issued to	:	M/s India Glycols Limited	
		A - 1 Industrial Area, Bazpur Road	
	Total Section 1	Kashipur - 244713	
Sample Description	:	Stack Emission	
Sampling Location	:	Stack of CVL 20 T Boiler	
Date of Sampling	:	05.09.2018	
Capacity (TPH/ KVA/ Kg/Hr)	:	20 TPH	
Type of Stack (Metal/RCC/Brick)	:	Metal	
Shape of Stack (Circular/Rectangular)	:	Circular	
Diameter of Stack (Meter)	:	1.47	
Height of Stack from Ground Level (M)	:	45	
Type of Fuel used (HSD/FO/Coal etc.)	:	Coal	
Fuel consumed per Hour	:		-
Ambient Temperature (°C)	:	33	
Stack Temperature (°C)	:	145	
Average velocity of emission (m/sec)	:	10.86	
Average Flow Rate (LPM)	:	15	
	:	41 (1110 Hrs to 1151 Hrs)	
Sampling Protocol	_	IS:11255	
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle	
Sample Drawn By		Mr. Deepak Sati & Team	
Environmental Condition		Sunny Day	
Date of Receipt of Sample:	_	05.09.2018	
Analysis Duration		05.09.2018 to 06.09.2018	

			RESULTS		
S.No	Test Parameter	Unit	Results	Emission Limits	Test Method
1.	Particulate Matter (PM) @ 12% CO ₂ correction	mg/Nm³	104.63	150.0	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	48.61	-	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	52.83	-	IS: 11255 (P-7) 2005

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-004 Issued to		: Issued Date: 11.09.2018	
issued to		: M/s India Glycols Limited	
		A – 1 Industrial Area, Bazpur Road	
6 17		Kashipur – 244713, U.S. Nagar (Uttarakhand)	
Sample Description	:	Stack Emission	
Sampling Location	:	Stack of CVL 30 T Boiler	
Date of Sampling	:		
Capacity (TPH/ KVA/ Kg/Hr)	1:	30 TPH	
Type of Stack (Metal/RCC/Brick)	1:	Metal	1,000
Shape of Stack (Circular/Rectangular)	1	Circular	
Diameter of Stack (Meter)	:	3	
Height of Stack from Ground Level (M)	1:	45	
Type of Fuel used (HSD/FO/Coal etc.)	+	Coal	
Fuel consumed per Hour	÷		
Ambient Temperature (°C)	:	34	
Stack Temperature (°C)	:	114	
Average velocity of emission (m/sec)	:	10.16	
Average Flow Rate (LPM)		15	
Duration of Sampling (min.)	•	(The state of the	
Sampling Protocol	:	40 (1510 Hrs to 1550 Hrs)	
Sampling Packing & Marking	:	IS:11255	-1//
Sample Drawn By	:	Sealed Zip Poly Bag & Plastic Bottle	
Environmental Condition	:	Mr. Deepak Sati & Team	
	:	Sunny Day	-
Date of Receipt of Sample:	:	05.09.2018	
nalysis Duration	:	05.09.2018 to 06.09.2018	

~			RESULTS		
S.No	Test Parameter	Unit	Results	Emission Limits	Test Method
1.	Particulate Matter (PM)@ 12 % CO ₂ Correction	mg/Nm³	103.43	150.0	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	41.64	-	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	54.73		IS: 11255 (P-7) 2005

End of Report

(Dr. Chaliresh Fathali)

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-001	:	Issued Date: 11.09.2018
Issued to	:	
		A – 1 Industrial Area, Bazpur Road
		Kashipur – 244713
Sample Description	:	Stack Emission
Sampling Location	:	IJT – 2
Date of Sampling	:	04.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	:	
Type of Stack (Metal/RCC/Brick)	:	RCC
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	1.5
Height of Stack from Ground Level (M)	:	45
Type of Fuel used (HSD/FO/Coal etc.)	1:	Coal
Fuel consumed per Hour		
Ambient Temperature (°C)	:	32
Stack Temperature (°C)	:	112
Average velocity of emission (m/sec)	:	10.53
Average Flow Rate (LPM)	:	15
Duration of Sampling (min.)	:	39 (1030 Hrs to 1119 Hrs)
Sampling Protocol	:	IS:11255
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle
Sample Drawn By		Mr. Deepak Sati & Team
Environmental Condition	:	Partially Cloudy
Date of Receipt of Sample:		
	-	
Date of Receipt of Sample: Analysis Duration	: :	04.09.2018 04.09.2018 to 05.09.2018

			RESULTS		
S.No	Test Parameter	Unit	Results	Emission Limits	Test Method
1.	Particulate Matter (PM) @ 12% CO ₂ Correction	mg/Nm³	132.44	150.0	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	49.0	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	52.64	NA	IS: 11255 (P-7) 2005

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

		T REPORT	
Test Report No: TR/SM/2018/09/11-002	1:	Issued Date: 11.09.2018	
Issued to	-	0.0000000000000000000000000000000000000	
	:	and discois Limited	
		A-1, Industrial Area, Bazpur Road	
Sample Description		Kashipur – 244713, U.S. Nagar	
Sampling Location	:	Stack Emission	n. 2715-24
	:	Slop Boiler-1	
Date of Sampling	:	04.09.2018	
Capacity (TPH/ KVA/ Kg/Hr)	:	52.5 TPH	
Type of Stack (Metal/RCC/Brick)	:	RCC	
Shape of Stack (Circular/Rectangular)	:	Circular	
Diameter of Stack (Meter)	:	2.5	
Height of Stack from Ground Level (M)	:	81	
Type of Fuel used (HSD/FO/Coal etc.)	-	Coal + Slop	
Fuel consumed per Hour		3+7	975E
Ambient Temperature (°C)	- :	33	
Stack Temperature (°C)	- :	110	
Average velocity of emission (m/sec)		9.52	
Average Flow Rate (LPM)	- i	14	
Duration of Sampling (min.)			
Sampling Protocol	2000	43 (1530 Hrs to 1613 Hrs) IS: 11255	
Sampling Packing & Marking	:		
Sample Drawn By	:	Sealed Zip Poly bag & Plastic bottles	
Environmental Condition	:	Mr. Deepak Sati	
	:	Partially Cloudy	\neg
Date of Receipt of Sample:	:	04.09.2018	
Analysis Duration	:	05.09.2018 to 06.09.2018	-

RESULTS						
S. No	Test Parameter	Unit	Results	Test Method		
1.	Particulate Matter (PM)@ 12% CO ₂ correction	mg/Nm³	112.17	IS: 11255 (P-1) 1985		
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	45.68	IS: 11255 (P-2) 1985		
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	51.32	IS: 11255 (P-7) 2005		

End of Report

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

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-005	:	Issued Date: 11.09.2018
Issued to	:	M/s India Glycols Limited
n		A-1, Industrial Area, Bazpur Road
		Kashipur - 244713, U.S. Nagar (Uttarakhand)
Sample Description	:	Stack Emission
Sampling Location	:	Slop Boiler 2
Date of Sampling	:	06.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	:	52.5 TPH
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	2.5
Height of Stack from Ground Level (M)	:	81
Type of Fuel used (HSD/FO/Coal etc.)	:	Coal+ Slop
Fuel consumed per Hour	:	
Ambient Temperature (°C)	:	34.5
Stack Temperature (°C)	:	118
Average velocity of emission (m/sec)	:	9.87
Average Flow Rate (LPM)	:	14
Duration of Sampling (min.)	:	42 (1015 Hrs. to 1057 Hrs.)
Sampling Protocol	:	IS:11255
Sampling Packing & Marking	:	Sealed Zip Poly Bag
Sample Drawn By	:	Deepak Sati & Team
Environmental Condition	_	Sunny day
Date of Receipt of Sample:		06.09.2018
halada David		06.09.2018 to 07.09.2018

RESULTS								
S.No	Test Parameter	Unit	Results	Limits	Test Method			
1.	Particulate Matter (PM) @ 12% CO ₂ correction	mg/Nm³	116.75	150.0	IS: 11255 (P-1) 1985			
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	42.12	NA	IS: 11255 (P-2) 1985			
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	57.86	NA	IS: 11255 (P-7) 2005			

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-006	:	Issued Date: 11.09.2018
Issued to	:	M/s India Glycols Limited
		A – 1 Industrial Area, Bazpur Road
)		Kashipur – 244713, Udham Singh Nagar (Uttarakhand)
Sample Description	:	Stack Emission
Sampling Location	:	TBW Boiler
Date of Sampling	:	06.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	:	
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	1.5
Height of Stack from Ground Level (M)	:	68
Type of Fuel used (HSD/FO/Coal etc.)	:	Coal
Fuel consumed per Hour	:	
Ambient Temperature (°C)	:	35
Stack Temperature (°C)	:	126
Average velocity of emission (m/sec)	:	9.47
Average Flow Rate (LPM)	:	13
Duration of Sampling (min.)	:	45 (1510 Hrs to 1555 Hrs)
Sampling Protocol	:	IS:11255
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle
Sample Drawn By	:	Mr. Deepak Sati & Team
Environmental Condition	:	Sunny day
Date of Receipt of Sample:	:	06.09.2018
Analysis Duration	:	06.09.2018 to 07.09.2018

RESULTS							
S.No	Test Parameter	Unit	Results	Limits	Test Method		
1.	Particulate Matter (PM) @ 12% CO ₂ Correction	mg/Nm³	99.55	150.0	IS: 11255 (P-1) 1985		
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	46.99	NA	IS: 11255 (P-2) 1985		
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	58.60	NA	IS: 11255 (P-7) 2005		

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-010	:	
Issued to	:	M/s India Glycols Limited
		A-1, Industrial Area, Bazpur Road
Caralla David		Kashipur - 244713, U.S. Nagar (Uttarakhand)
Sample Description	:	Stack Emission
Sampling Location	:	MEG Heater (B-110)
Date of Sampling	:	06.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	:	
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	1	Circular
Diameter of Stack (Meter)	1:	0.838
Height of Stack from Ground Level (M)	1:	30
Type of Fuel used (HSD/FO/Coal etc.)	1	FO + Biogas
Fuel consumed per Hour	+	0.25 + 200
Ambient Temperature (°C)	1:	31
Stack Temperature (°C)	1:	106
Average velocity of emission (m/sec)	+	8.78
Average Flow Rate (LPM)	<u>:</u>	13
Duration of Sampling (min.)	: 	46 (1030 Hrs to 1116 Hrs)
Sampling Protocol	:	IS: 11255
Sampling Packing & Marking		VIII VIII VIII VIII VIII VIII VIII VII
Sample Drawn By	:	Sealed Zip Poly bag & Plastic bottles
Environmental Condition	:	Mr. Satveer Yadav & Team
Date of Receipt of Sample:	:	Sunny Day
The state of the s	:	08.09.2018
analysis Duration	:	08.09.2018 to 10.09.2018

RESULTS							
S.No	Test Parameter	Unit	Results	Limits	Test Method		
1.	Particulate Matter (PM)	mg/Nm³	66.67	150	IS: 11255 (P-1) 1985		
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	38.39	NA	IS: 11255 (P-2) 1985		
3.	Nitrogen Oxides (as NO _x)	mg/Nm³	59.37	NA	IS: 11255 (P-7) 2005		

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Test Report No: TR/SM/2018/09/11-011	:	Issued Date: 11.09.2018	-
Issued to	:	M/s India Glycols Limited	
		A-1, Industrial Area, Bazpur Road	
		Kashipur – 244713, U.S. Nagar	
Sample Description	:	Stack Emission	
Sampling Location	:	MEG Heater (B-110A)	
Date of Sampling	1	08.09.2018	
Capacity (TPH/ KVA/ Kg/Hr)	:		
Type of Stack (Metal/RCC/Brick)	:	Metal	
Shape of Stack (Circular/Rectangular)	:	Circular	
Diameter of Stack (Meter)	:	0.850	
Height of Stack from Ground Level (M)	:	51	
Type of Fuel used (HSD/FO/Coal etc.)	:	FO + Biogas	
Fuel consumed per Hour	:	0.25 + 200	
Ambient Temperature (°C)	:	32	
Stack Temperature (°C)	:	106	
Average velocity of emission (m/sec)	1:	9.31	
Average Flow Rate (LPM)	:	14	
Ouration of Sampling (min.)	:	43 (1540 Hrs to 1623 Hrs)	
Sampling Protocol	:	IS: 11255	
Sampling Packing & Marking	:	Sealed Zip Poly bag & Plastic bottles	
Sample Drawn By	:	Mr. Deepak Sati	42.10.
Invironmental Condition	:	Sunny Day	
Date of Receipt of Sample:	:	08.09.2018	
analysis Duration	1:	08.09.2018 to 10.09.2018	

RESULTS							
S.No	Test Parameter	Unit	Results	Limits	Test Method		
1.	Particulate Matter (PM)	mg/Nm³	78.04	150	IS: 11255 (P-1) 1985		
2.	Sulphur Dioxide (SO ₂)	mg/Nm³	34.99	NA	IS: 11255 (P-2) 1985		
3.	Nitrogen Oxides (as NO _x)	mg/Nm ³	63.82	NA	IS: 11255 (P-7) 2005		

End of Report

Note:

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

Email: igllabksp@gmail.com

TEST REPORT

Took	Daniel Al Chimpin	The second secon	EST REI O					
Issue	Report No. GNTR/AAQ			Issue Date: 1	1.09.2018			
18806	u io:	M/s India Glycols Limited						
		A – ,1 Industrial Area, Bazpur Road						
		Kashipur – 244	713, U. S. N	Jagar (Uttarakhand)				
	of Sample:	Work zone Air						
	ling Location:	Chemical Plant	Section					
	of Sampling:	05.09.2018						
Mode	of Collection of Sample:	Sampling by La	aboratory					
Packii	ng, Marking & Seal:	Envelop marke "CP-1"	d as "CP-1"	& Absorbing Solution	in Reagent Bottle Mai			
	le Drawn by:	Mr. Satveer Ya	day & Team					
Date o	of Sample Receiving:	05.09.2018						
	of Sampling:	8 Hrs. (0900 Hrs to 1700 Hrs)						
	onmental Condition:	Sunny Day						
Analys	sis Duration:	07.02.2018 to 08.02.2018						
	300		RESULTS					
S.No	Test Parameters	Units	Results	Permissible Limits (Factories Act 1948)	Test Method			
1.	Suspended Particulate Mat	ter mg/m ³	0.212	10	IS :5182 (P-4)			
2	Sulphur Dioxide (SO ₂)	mg/m ³	0.018	5.0	IS :5182 (P-2)			
3.	Nitrogen Oxides (as NO ₂)	mg/m ³	0.033	6.0	IS :5182 (P-6)			
4.	Carbon Monoxide (CO)#	mg/m³	ND	55.0	Electrochemical Method			
5.	Lead (as Pb)	mg/m ³	ND	0.15	IS :5182 (P-22)			

ND- Not Detected

End of Report

(Checked by)

(Pradeep Pathak)

(Authorized Signatory)

Chak south Pathall)

Techiput

Note:

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(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

TEST REPORT

T	port Code : TR/WW/2018/09/11-00		Issue Date: 11.09.2018					
ISSI	ued to:	M/s	M/s India Glycols Limited					
		A -	A – 1 Industrial Area, Bazpur Road					
Tyr	pe of Sample:	Kas	Kashipur – 244713					
	npling Location:		te Water					
San	uping Location: uple Quantity:	ME	G Plant Outle	et				
Det	of Sometime		ter + 1 Liter					
	e of Sampling:		9.2018					
	npling Protocol:	IS:30	025 (P-1)					
San	pple Packaging & Marking:	HDP	E Carboy M	arked "1" &	& Glass Bottle			
	pple Drawn by:	Mr.	Deepak Sati	& Team				
Dat	ironmental Condition:		y Day	(2000				
Date	e of Receipt of Sample:		9.2018					
Ana	lysis of Duration:		2.2018 to 08.	09.2018				
S.No	Test Parameters	Units	Results	Limits	Test Method			
A	Physical Parameters							
1	pH Value	112	7.36	5.5 to 9.0	IG. 2025(D 11) 1002 D 200			
2	Temperature	°C	31	3.3 10 9.0	IS: 3025(P-11) 1983 R-200 IS: 3025 (P-9)			
3	Colour		Colorless	NA	IS: 3025(P-4)1983 R-2002			
4	Odour*		Odorless	NA	IS: 3025(P-5)1983 R-2002			
5	Total Suspended Solids	mg/l	50	100	IS: 3025(P-17) 1984 R-200			
В	Chemical Parameters				(200.			
6	Chemical Oxygen Demand (COD)	mg/l	110	250	IS: 3025 (P-58) 2006			
7	Biochemical Oxygen Demand (BOD)@ 27°C for 3 Days	mg/l	20	30	IS: 3025 (P-44) 1993			
8	Oil & Grease*	mg/l	< 4	10	IS: 3025(P-39)			
9	Dissolved Phosphate*	mg/l	1.88	5.0	IS: 3025 (P-44) 1993			
10	Sulphide*	mg/l	< 1.0	2.0	IS: 3025 (P-58) 2006			
11	Iron (as Fe)*	mg/l	0.61	3.0	IS: 3025 (P-44) 1993			
12	Zinc (as Zn)*	mg/l	0.96	5.0	IS: 3025 (P-58) 2006			
13	Copper (as Cu) *	mg/l	0.032	3.0	IS: 3025 (P-44) 1993			
STREET, THE	Cadmium (as Cd)*	mg/l	ND	2.0	IS: 3025 (P-58) 2006			
14					-2. 5525 (x 50) 2000			
14 15	Lead (as Pb)*	mg/l	ND	1.0	IS: 3025 (P-44) 1993			

*Marked Parameters is not in our NABL Scope. ND- Not Detected

End of Report

(Checked By

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(NABL ACCREDITED LABORATORY)

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Repo	rt Code : TR/WW/2018/09/11-002	Issue l	Date: 11.09.2	018				
Issue	d to:	M/s India Glycols Limited						
		A – 1 Industrial Area, Bazpur Road						
Т	- CC 1	Kaship	ur – 244713					
Type of Sample: Sampling Location: Sample Quantity: Date of Sampling: Sampling Protocol: Sample Packaging & Marking: Sample Drawn by:		Waste		11000				
		Bottlin	g Plant Efflue	ent				
		2 Liter						
		05.09.2	018		The same of the sa			
		IS:3025	(P-1)					
			Carboy Mark	ed "1"				
		Mr. De	epak Sati & 7	Ceam				
	Environmental Condition:		Sunny Day					
Date of Receipt of Sample:		05.09.2018						
Analys	sis of Duration:	05.09.2018 to 08.09.2018						
S.No	Test Parameters	Units	Results	Limits	Test Method			
A	Physical Parameters				rest Method			
1.	nH Volvo							
	pH Value	-	7.2	5.5 to 9.0	IS: 3025(P-11) 1983 R-2002			
2.	Total Suspended Solids	mg/l	7.2	5.5 to 9.0	IS: 3025(P-11) 1983 R-2002 IS: 3025(P-17) 1984 R-2002			
		mg/l			R-2002 IS: 3025(P-17) 1984			
2.	Total Suspended Solids	mg/l			R-2002 IS: 3025(P-17) 1984 R-2002			
2. B	Total Suspended Solids Chemical Parameters		40	100	R-2002 IS: 3025(P-17) 1984			

^{*}Marked Parameters is not in our NABL Scope.

End of Report

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

Email: igllabksp@gmail.com

TEST REPORT

				SI REPORT					
Rep	ort Code: TR/GW/201	8/09/10-0	01	Issu	ie Date: 10.09.	2018			
Issue	ed to:	M/	s. India Gl	ycols Limited	d				
		A-1	A-1, Industrial Area, Bazpur Ropad						
T	66 1	Ka	Kashipur – 244713, U.S.Naga, (Uttarakhand)						
The state of the s	of Sample:		ound Wate	г					
	pling Location:		re-well						
	ple Quantity:	2 L							
	of Sampling:		09.2018						
	oling Protocol:		3025 (P-1)						
	ole Packaging & Marking			marked "T-1"	· .				
	ole Drawn by:			ati & Team					
	ronmental Condition:		ny day						
	of Receipt of Sample:		9.2018						
Analy	ysis of Duration:	05.0	9.2018 to	08.09.2018					
S.No	Test Parameters	Units	Results	(IS:10	cification 500- 2012)	Test Method			
				Acceptable Limit	Permissible Limit				
A	Physical Parameters								
1	pH value		7.06	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	Turbidity	NTU	<1.0	Max 1	Max 5	IS: 3025 (P- 10) 1984 R-2002			
1	Total Dissolved Solids	mg/l	343.8	Max 500	Max 2000	IS: 3025 (P-16): 1984			
3	Chemical Parameters								
i	Total Hardness (as CaCO ₃)	mg/l	244.0	Max 200	Max 600	IS: 3025(P-21) 1983R2002			
5	Chlorides (as Cl)	mg/l	42.6	Max 250	Max 1000	IS: 3025 (P-32): 1988			
	Calcium (as Ca)	mg/l	56.0	Max. 75	Max. 200	IS:3025 (P-40) : 1991			
	Magnesium (as Mg)	mg/l	24.96	Max. 30	Max. 100	IS:3025 (P-46) : 1994			
	Sulphate (as SO ₄)	mg/l	48.0	Max 200	Max 400	IS: 3025 (P-24)1986, R 2003			
	o an primate (40 5 0 4)	11.5/1	10.0	TIAM DOO	111451 100	10. 5025 (1 24)1700, 1C 2005			

End of Report

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A-1, Industrial Area Bazpur Road, Kashipur

District - Udham Singh Nagar - 244713 (Uttarakhand)

Email: igllabksp@gmail.com

TEST REPORT

Report Code: TR/GW/2018/09/10-001			Issue Date: 10.09.2018	
Issued to:		M/s. India Glycols Limited		
		A-1, Industrial Area, Bazpur Ropad		
		Kashipur – 244713, U.S.Nagar (Uttarakhand)		
Type of Sample:		Ground Water		
Sampling Location:		Bore-well		
Sample Quantity:		2 x 200 ml		
Date of Sampling:		05.09.2018		
Sampling Protocol:		IS: 1622 - 1981; RA 2009		
Sample Packaging & Marking:		Sterilized Glass Bottle Marked as "T-1".		
Sample Drawn by:		Mr. Deepak Sati & Team		
Environmental Condition:		Sunny day		
Date of Receipt of Sample:		05.09.2018		
Analysis of Duration:		05.09.2018 to 07.09.2018		
Microl	biological Parameters	1	.2010	
S. No.	Test Parameters	Units	D 1/2	
1		January 12 (1997)	Results	Test Method
1	Total coliform	MPN/100m1	< 2	IS: 1622 – 1981; RA 2009
2	E. coli	MPN/100ml	< 2	IS: 1622 – 1981, RA 2009

Note: The above test results <2 MPN/100 ml is below detection limit i.e. (Absent/100 ml). So the Test sample is comply/pass as per specification IS - 10500:2012

End of Report

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