



Annexure No.

Environment Due-diligence, Monitoring and Analysis Services ISO-14001:2004 OHSAS-18001:2007

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#### **TEST REPORT**

EL-14	1-15/52	Carrie Carrier	d	t:28/03/1	4 La	b No.	EC14	03BA04			Page-1/1	
Custo	mer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.										
Type o	of Sample:	Ambient	Air									
Work	Order:	MOU										
Mode of Collection of Sample:		SAMPL	E / MON	NITORIN	G DA	TA PR	OVIDE	D BY CU	STO	MER		
Sampling Location:		A4)Near 'Binda Tehsil-Aklera'										
Sampling Team:		Customer Representative: Mr. Anjani & Team										
Date o	f Sampling:	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,24.02.14,25.02, 14.										
Date o	f Reporting:	18.03.14										
Testing	g Protocol:	National	Ambient	Air Quali	ty Star	idards (	NAAQ:	S) 2009				
S.No.	Test Parameters	Units					Results					
				A-4 (Dec)		400000000000	-4( Jan)		the contract of the contract o	A-4 (Feb)	and the second second	
1.	Particulate Matter (PM <sub>10</sub> )	µg/m²	Min 63.48	Max 74.35	Avg 69.87	Min 64.17	78.53	market Property	Min 54.58	76.12	Avg 69.95	
		11.					1.0.00					
3.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m³	BDL	3.35	2.12	BDL	BDL	0.96	BDL	BDL.	1.50	
3.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m	3.56	4.67	4.11	2.60	5.06	3.94	2.40	3.75	3.12	

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL Below Detection Limit, DL Detection Limit

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	1S: 5182 (P-2) 2001 (DL= 2.75 µg/m²)
Nitrogen Oxides (as NO-)	IS: 5182 (P-6) 1975



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#### **TEST REPORT**

EL-14	-15/53		dt	: 28/03/	/4 La	b No.	EC14	03BA0	5	1	Page-1/1		
Custor	100000000000000000000000000000000000000	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – <i>Thalampd</i> Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.											
Type o	of Sample:	Ambient	Air										
Work	Order:	MOU											
Mode	of Collection of Sample:	SAMPL	E/MON	NITORIN	NG DA	TA PR	OVIDE	D BY	CUSTO	MER			
Sampling Location:		A5)Near	A5)Near 'Dhanodi Tehsil -Jhalrapatan'										
Sampling Team:		Customer Representative: Mr. Anjani & Team											
Date o	f Sampling:	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,24.02.14,25.02.14,											
Date o	f Reporting:	18.03.14											
Testing	g Protocol:	National	Ambient	Air Qua	lity Star	ndards (	NAAQ	S) 2009					
S.No	Test Parameters	Units		A-5(Dec)			Results			A-5 (Feb)			
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg		
1,	Particulate Matter (PM <sub>10</sub> )	µg/m³	61.63	76.15	69.90	66.53	76.07	71.78	67.50	76.85	72.06		
2.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m <sup>3</sup>	BDL	3.64	2.52	BDL	3.87	2.66	BDL	2.84	2.29		
3,	Nitrogen Oxides (as NO <sub>2</sub> )	μg/m <sup>5</sup>	3,80	5.65	4.30	4.22	5.78	4.90	4.27	5.48	4.85		

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference BDL-Below Detection Limit, DL-Detection Limit

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )
Nitrogen Oxides (as NO2)	IS: 5182 (P-6) 1975



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#### **TEST REPORT**

EL-13	3-14/49			att.	ROWAL	ab No.	EC14	03BA01	1	1	age-1/1
Custo	omer:	Sh. Indra Ordinary Tehsil - Ji C/o Udair	Sand (B	n <b>gh Jh:</b> ajri) Ar Dist. – .	i <b>la</b> ca – 169) Jhalawar	6.06 Hect					
Type	of Sample:	Ambient A	Air	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110-00-000-00						
Work	Order	MOU									
Mode	of Collection of Sample:	SAMPLE	/ MON	ITOR	NG DA	TA PRO	VIDED	BY CU	STOM	ER	
Samp	oling Location:	A1) Near 'Jhalarapatan'									
Samp	oling Team:	Customer Representative: Mr. Anjani & Team									
Date	of Sampling:	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14,16.01.14,20.01.14, 21.01.14, 27.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,18.02.14,24.02.14,25.01.14, 07.02.14,10.02.									.14,25.02
Date	of Reporting:	18.03.14									
Testir	ng Protocol:	National A	Ambient	Air Qu	ality Star	ndards (N	(AAQS)	2009			
S.No	Test Parameters	Unit					Results				
				A-1(Dec)			(Jan)			-1(Feb)	
-	B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1,	Particulate Matter (PM <sub>10</sub> )	μg/m <sup>2</sup>	63.59	77,51	69.37	64.33	73.88	69.72	58.68	73.15	68.31
2.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m²	BDL	3,27	2.34	BDL	3.48	2.87	BDL	3.48	1.95
3.	Nitrogen Oxides (as NO <sub>2</sub> )	μg/m³ 3.57 5.02 4.22 2.82 5.11 4.41 4.09								5.23	4.79

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL= Below Detection Limit, DL= Detection Limits

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )
Nitrogen Oxides (as NO-)	IS: 5182 (P-6) 1975



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#### **TEST REPORT**

LL-14-	-15/58		dt	: 88/03/	/4 La	b No.	EC14	03BA10	)	1	age-1/
Custon		Sh. Indra Ordinary Tehsil J C/o Udair	jeet Sii Sand (Bi habyapi	i <b>gh Jhal</b> ajri) Area ⊷Dist. –	a' 1—1695 Jhalaw	.06 He	a.				
Type o	f Sample:	Ambient	Air								
Work !	Order:	MOU								Taran No.	
Mode o	of Collection of Sample:	SAMPLE				A PRO	OVIDE	D BY C	USTO	MER	
Sampli	ng Location:	A10)Near 'Rewa River -Pipaliya'									
Sampling Team:		Customer Representative: Mr. Anjani & Team 02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13.									
Date of	f Sampling:	02,12.13, 06.01.14, 28.01.14,	07.01.14	.15.01.14	1. 16.01.	14,20.0	1.14.2	1.01.14	27.01.1	4,	
		14.	7,7,1/4,17	,07.02.11	1,10.02.	14,11.0	2,14,17	.02.14,1	8.02.14	,24.02.1	4,25.02
Date of	f Reporting:	14. 18.03.14								,24.02.1	4,25.02
-	f Reporting; 2 Protocol:	14.								,24.02.1	4,25.02
-	Annual Control of the	14. 18.03.14				dards (	NAAQ Results	S) 2009			
Testing	Protocol:	14. 18.03.14 National	Ambient			dards (	NAAQ Results 10( Jan)	S) 2009		<b>1-10 (Feb</b>	)
Testing	Protocol: Test Parameters	14. 18.03.14 National . Units	Ambient	Air Qua (-10 (Dec) Max	lity Star	A-Min	NAAQ Results 10( Jan) Max	S) 2009	Min	A-10 (Feb Max	) Avg
Testing	Protocol:	14. 18.03.14 National	Ambient	Air Qua	lity Star	dards (	NAAQ Results 10( Jan)	S) 2009	Min 64.17	A-10 (Feb Max 78.55	) Avg 71,97
Testing S.No	Protocol: Test Parameters	14. 18.03.14 National . Units	Ambient	Air Qua (-10 (Dec) Max	lity Star	A-Min	NAAQ Results 10( Jan) Max	S) 2009	Min	A-10 (Feb Max	) Avg

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference 3DL Below Detection Limit, DL Detection Limit

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )
Nitrogen Oxides (as NO <sub>3</sub> )	IS: 5182 (P-6) 1975







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#### TEST REPORT

EL-14	4-15/57			1:28/03		b No.	EC14	03BA0	9		Page-I/I		
Custo	mer:	Sh. Indra jeet Singa Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.											
Type (	of Sample:	Ambient	Air	22000000000									
Work	Order:	MOU											
Mode of Collection of Sample:		SAMPL	E / MON	NITORIN	NG DA	TA PRO	OVIDE	D BY C	USTO	MER			
Sampling Location:		A9)Near	A9)Near 'Sangam Rewa River'										
Sampling Team:		Customer Representative: Mr. Anjani & Team											
Date o	of Sampling:	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,24.02.14,25.02.14.											
Date o	of Reporting:	18.03.14											
Testin	2 Protocol:	Martina	A L.T.	17 - 91 - 944 - 77									
4.0000111	E I INDECII	National	Amment	Air Qua	lity Star	idards (	NAAQ	S) 2009					
S.No	Test Parameters	Units	Ambient	Air Qua	lity Star	ıdards (	NAAQ Results						
		-		A-9 (Dec)		A	Results 9( Jan)			A-9 (Feb)			
S.No	Test Parameters	Units	Min	A-9 (Dec) Max	Avg	A- Min	Results 9( Jan) Max	Avg	Min	Max	Avg		
		-		A-9 (Dec)		A	Results 9( Jan)						
S.No	Test Parameters	Units	Min	A-9 (Dec) Max	Avg	A- Min	Results 9( Jan) Max	Avg	Min	Max	Avg		
S.No	Test Parameters  Particulate Matter (PM <sub>in</sub> )	Units  µg/m³	Min 52.25	A-9 (Dec) Max 41.85	Avg 65.64	A- Min 65.54	Results 9( Jan) Max 72.29	Avg 69.30	Min 60.43	Max 73.21	Avg 66.53		

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL-Below Detection Limit, DL-Detection Limit

Parameters	Test Methods	
Particulate Matter (PM10)	IS: 5182 (P-23) 2004	
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )	
Nitrogen Oxides (as NO <sub>2</sub> )	IS: 5182 (P-6) 1975	



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#### **TEST REPORT**

EL-14	1-15/70		d	1:20/03	/14 La	b No.	EC14	03BA2	2		Page-1/1
Custor	mer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Indianachin Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.									
Type o	of Sample:	Ambient	Air								
Work	Order:	MOU									
Mode	of Collection of Sample:	SAMPL	E / MON	NITORI	NG DA	TA PR	OVIDE	D BY	CUSTO	MER	
Sampl	ing Location:	A22)Nea	r 'Raipur	,							
	ing Team:	Customer Representative: Mr. Anjani & Team									
Date o	f Sampling:	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,24.02.14,25.02.14.									
Date o	f Reporting:	18.03.14									
Testing	g Protocol:	National	Ambient	Air Qua	lity Star	idards (	NAAQ	S) 2009			
S.No	Test Parameters	Units	T				Results				
			1	1-22 (Dec)		A-	22( Jan)			4-22 (Feb	)
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1.	Particulate Matter (PM <sub>16</sub> )	µg/m²	55.60	23.68	62.33	59.97	71.76	67,67	55.67	76,79	67.44
2.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m <sup>3</sup>	BDt.	4.41	2,63	2.45	3.91	3.0	2:26	3:04	
-0.1											2.78

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL=Below Detection Limit, DL=Detection Limit

Parameters	Test Methods	
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004	
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )	
Nitrogen Oxides (as NO <sub>3</sub> )	IS: 5182 (P-6) 1975	



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#### **TEST REPORT**

EL-13	3-14/50	(1.50 per eng. 10.5	di	1: 20/0	3//4 L	ab No.	EC14	03BA02	2	Ŧ	age-1/1	
Custo	omer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil - Julian Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.									-	
Type	of Sample:	Ambient .	Air									
Work Order MOU												
Mode	of Collection of Sample:											
Samp	ling Location:	A2) Near 'Narsinghpura'										
Samp	ling Team:	Custome	Repre	sentativ	e: Mr. A	mjani & '	Team					
Date	Date of Sampling: 02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14,16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,18.02.14,24.01.14, 14.01.14,03.02.14,18.02.14,18.02.14,18.02.14,18.02.14,18.02.14,14.01.14,14.01.14,14.01.14,15.01.14,16.01.14,16.01.14,17.02.14,18.02.14,18.02.14,18.02.14,14.01.14,14.01.14,16.01.14,17.02.14,18.02.14,18.02.14,14.01.14,14.01.14,16.01.14,17.02.14,18.02.14,18.02.14,14.01.14,14.01.14,16.01.14,17.02.14,17.02.14,18.02.14,18.02.14,14.01.14,14.01.14,16.01.14,17.02.14,17.02.14,18.02.14,18.02.14,14.01.14,14.01.14,16.01.14,17.02.14,17.02.14,18.02.14,18.02.14,14.01.14,14.01.14,16.01.14,17.02.14,17.02.14,18.02.14,18.02.14,14.01.14,14.01.14,17.01.14,18.02.1						.14,25.02					
Date	of Reporting:	18,03.14										
Testir	ng Protocol:	National A	Ambient	Air Qu	ality Sta	ndards (N	(AAQS)	2009				
S.No	Test Parameters	Unit					Results					
		1		A-1(Dec)			(Jan)			-1(Feb)		
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
I.	Particulate Matter (PM <sub>10</sub> )	μg/m'	66.76	79.86	72.22	64.24	78.94	71.71	64.44	74.96	71.16	
2.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m <sup>3</sup>	BDL	3.65	2.57	BDL	BDL	1.85	BDL	8DL	1.55	
3.	Nitrogen Oxides (as NO <sub>2</sub> )	μg/m <sup>3</sup> 3.82 5.53 4.82 3.71 4.69 4.25 4.29						5.55	4.91			

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL= Below Detection Limit, DL= Detection Limits

Parameters	Test Methods
Particulate Matter (PM <sub>16</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )
Nitrogen Oxides (as NO2)	IS: 5182 (P-6) 1975



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Environment Due-diligence, Monitoring and Analysis Services ISO-14001:2004 OHSAS-18001:2007 CIN: U74140PB2011PTC034739

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#### **TEST REPORT**

EL-1.	3-14/57		ds	1:20/0	3/14 L	ab No.	EC14	03BA0	3	1	Page-1/1	
Custo	omer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil - Julyan Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.									1100	
Туре	of Sample:	Ambient .	Air									
Work	Order	MOU										
Mode	of Collection of Sample:	SAMPLE	/MON	ITORI	NG DA	TA PRO	VIDED	BY CU	STOM	ER		
Samp	oling Location:	A3) Near 'Nayagaon'										
Samp	oling Team:	Custome	Repre	sentativ	e: Mr. A	ınjani & '	Геат					
Date	ate of Sampling: 02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14,16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,18.02.14,24.02.14							.14,25.02				
Date	of Reporting:	18.03.14										
Testir	ng Protocol:	National /	Ambient	Air Qu	ality Star	ndards (N	(AAQS)	2009				
SNo	Test Parameters	Unit	2				Results					
			in the same of the same of	A-1(Dec)			(Jan)			-1(Feb)		
1	Particulate Matter (PM <sub>10</sub> )	μg/m³	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
2.	Sulphur Dioxide (SO <sub>2</sub> )		60.86	73.99	70.20	63.45	76.46	68.77	62.23	74.65	70.61	
		μg/m'	BDL	3.09	2.06	BDL	BDL	1,93	BDL	2.75	1.67 5.04	
3.	Nitrogen Oxides (as NO <sub>2</sub> )	μg/m <sup>3</sup>	4.17	5.71	4.80	4.27	5.60	5.60 4.90 4.56 5.71				

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL= Below Detection Limit, DL= Detection Limits

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 µg/m <sup>3</sup> )
Nitrogen Oxides (as NO2)	IS: 5182 (P-6) 1975



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#### **TEST REPORT**

EL-13	3-14/54	VIII-1-1-1-1-1-1	di	1:2810	3//4	Lab No.	EC14	03BA0	5	I	Page-1/1	
Custo	omer:	Sh. Indra Ordinary Tehsil -Ja C/o Udair	Sand (B	<b>ngh Jha</b> ajri) Arc Dist. – J	<b>la</b> ca – 169 halawa	95.06 Hect ar (Raj.)	1					
Type	of Sample:	Ambient Air										
Work	Order	MOU	OU									
Mode	of Collection of Sample;	SAMPLE	MON	ITORI	NG DA	ATA PRO	VIDED	BY CU	STOM	ER		
Samp	oling Location:	A6) Near 'Mandawar'										
Samp	oling Team:	Custome	Repres	sentativ	e: Mr.	Anjani &	Team					
Date of Sampling: 02.12.13,03.12.13,09.12.13,10.12.13,16.12. 06.01.14,07.01.14,15.01.14,16.01.14,20.01. 28.01.14,03.02.14,07.02.14,10.02.14,11.02. 14				4,20.01.14,	21.01.14	, 27.01.	14,		.14,25.02			
Date	of Reporting:	18.03.14										
Testin	ng Protocol:	National /	Ambient	Air Qua	ality St	andards (N	(AAQS)	2009				
S.No	Test Parameters	Unit					Results					
				A-1(Dec)			(Jan)		*	-1(Feb)		
-	n - 1 - 1 - 1 - m - m - 1	/3	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1.	In an annual contract of the c	μg/m³	65.07	74.28	70.41	62.27	73.47	68.06	67.54	74.78	70.05	
2.	The state of the s	μg/m²	BDL	BDL	0.87	BDL	2.75	1.67	BDL	BDL	1.52	
3.	Nitrogen Oxides (as NO <sub>2</sub> )	μg/m <sup>3</sup>	3.17	5.10	4.49	3.95	5.17	4.44	2.46	3.97	3.11	

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL= Below Detection Limit, DL= Detection Limits

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m³)
Nitrogen Oxides (as NO2)	IS: 5182 (P-6) 1975



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#### **TEST REPORT**

EL-14	4-15/72		a	t: 28/0.	5/17 La	b No.	EC14	03BA2	4		Page-1/1		
Custo	mer:	Sh. Indr Ordinary Tehsil -J C/o Udai	Sand (B	ajri) Are Dist.	a – 1696 – Jhalaw					% ====			
Type o	of Sample:	Ambient Air											
Work	Order:	MOU											
Mode of Collection of Sample:		SAMPLE / MONITORING DATA PROVIDED BY CUSTOMER											
Sampl	ing Location:	A24)Nea	r Thalaw	ar'									
Sampl	ing Team:	Customer Representative: Mr. Anjani & Team											
Date of Sampling:		06.01.14.	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,24.02.14,25.02.14,										
Date o	f Reporting:	18.03.14											
Testin	g Protocol:	National	Ambient	Air Qua	lity Star	ndards (	NAAQ	S) 2009					
S.No	Test Parameters	Units	,	-24 (Dec)		A-	Results 24( Jan)			A-24 (Feb)			
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg		
1.	Particulate Matter (PM <sub>10</sub> )	µg/m	54.09	75.62	68.59	50.14	69.86	61.68	55.17	69.71	60.88		
2.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m <sup>T</sup>	BDL	4.14	2.29	BDL.	3.42	2.45	BDL	3.26	2.04		
3.	Nitrogen Oxides (as NO <sub>2</sub> )	μg/m³	3.41	5.97	4.69	4.12	6.11	4.86	4.56	5.44	5.10		
		Language Control of the Control of t	A CONTRACTOR			Land Control					1		

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL=Below Detection Limit, DL=Detection Limit

Parameters	Test Methods	
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004	
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )	
Nitrogen Oxides (as NO <sub>2</sub> )	IS: 5182 (P-6) 1975	



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#### **TEST REPORT**

EL-14	1-15/7/		d	1:28/03	//4 La	b No.	EC14	03BA2	3	1	age-1/1	
Custo	mer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalawa Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.										
Туре	of Sample:	Ambient Air										
Work Order:		MOU										
Mode of Collection of Sample:		SAMPLE / MONITORING DATA PROVIDED BY CUSTOMER										
Sampl	ling Location:	A23)Near 'Jhalrapatan'										
Sampling Team:		Customer Representative: Mr. Anjani & Team										
Date of Sampling:		02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,24.02.14,25.02.14,										
Date o	of Reporting:	18.03.14										
Testing Protocol:		National Ambient Air Quality Standards (NAAQS) 2009										
Testin	g Protocol:	National	Ambient	Air Qua	lity Star	dards (	NAAQ	S) 2009				
Testin 5.No	g Protocol: Test Parameters	National Units	Ambient	Air Qua	lity Star	idards (	NAAQ: Results					
Lange Conference				Air Qua			Antonio de la companio del la companio de la compan			A-23 (Feb	)	
S.No	Test Parameters	Units	Min	A-23 (Dec) Max	Avg	A- Min	Results 23( Jan) Max	Avg	Min	Max	Avg	
Lange Conference				-23 (Dec)		A-	Results 23( Jan)					
S.No	Test Parameters	Units	Min	A-23 (Dec) Max	Avg	A- Min	Results 23( Jan) Max	Avg	Min	Max	Avg	

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL=Below Detection Limit, DL=Detection Limit

Parameters	Test Methods	
Particulate Matter (PM <sub>10</sub> )	1S: 5182 (P-23) 2004	
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m²)	
Nitrogen Oxides (as NO-)	IS: 5182 (P-6) 1975	



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#### **TEST REPORT**

EL-1	3-14/55		d	12010	3/14 1	ab No.	EC14	03BA0	7	1	age-1/1	
Custo	omer:	Ordinary Tehsil - J	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil - Jhangal Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.									
Type	of Sample:	Ambient Air										
Work	Order	MOU										
Mode	of Collection of Sample:	Transport of the Control of the Cont										
Samp	ling Location:	A7) Near 'Motipura'										
Samp	oling Team:	Custome	Repre	sentativ	e: Mr. /	Anjani &	Team					
Date	of Sampling:	02.12.13,03 06.01.14,03 28.01.14,03	7.01.14,1	5.01.14,	16.01.14	,20.01.14,	21.01.14	, 27.01.1	14,	ver. Nascmaten	.14,25.02	
Date	of Reporting:	18.03.14										
Testin	ng Protocol:	National /	Ambient	Air Qu	ality Sta	ndards (N	(AAQS)	2009				
S.No	Test Parameters	Unit					Results	- 10				
			-	A-1(Dec)		·	(Jan)	- 1	and the second	-1(Feb)		
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1.	7	µg/m²	60.88	72.89	66.93	61.83	70.20	66.13	57.76	70.80	64.05	
2.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m²	BDL	BDL	1.48	BDL	BDL	1.16	BDL	2.19	1.72	
- 3.	Nitrogen Oxides (as NO2)	) µg/m³ 3.64 5.24 4.32 3.35 4.69 3.97					3.29	5.42	4.51			

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL= Below Detection Limit, DL= Detection Limits

Parameters	Test Methods					
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004					
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )					
Nitrogen Oxides (as NO2)	IS: 5182 (P-6) 1975					



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#### TEST REPORT

EL-14-15/67	dt: 28/03/14 Lat	No.	EC1403BA19	Page-1/1			
Customer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695 Tehsil John Dist. – Jhalawa C/o Udaipur Min-Tech Pvt. Ltd.	.0 <b>6</b> He ır (Raj	et. .)				
Type of Sample:	Ambient Air						
Work Order:	MOU						
Mode of Collection of Samp	SAMPLE / MONITORING DATA PROVIDED BY CUSTOMER						
Sampling Location:	A19)Near 'Chittraur'						
Sampling Team:	Customer Representative: Mr. At	Customer Representative: Mr. Anjani & Team					
Date of Sampling:	06.01.14.07.01.14.15.01.14.16.01.	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13.23.12.13.24.12.13, 06.01.14,07.01.14,15.01.14, 16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14.18.02.14,24.02.14,25.02.14.					
Date of Reporting:	18.03.14						
Testing Protocol:	National Ambient Air Quality Stan	dards)	(NAAQS) 2009				
S.No Test Parameters	Units		Results	- 10 (F-b)			

Test Parameters	Units	1				resums					
12.00	1631 (130.00000000000000000000000000000000000	Test Fill and Te	7	A-19 (Dec)		A-	A-19( Jan)		A-19 (Feb)		)
			Max	Avg	Min	Max	Avg	Min	Max	Avg 55.73 2.12 4.71	
Particulate Matter (PM <sub>10</sub> )	μg/m	56.67	76.77	64.67	58.86	75.51	69.36	55.73	64.34	55.73	
Sulphur Dioxide (SO <sub>2</sub> )	µg/m³	BOL	4.67	2.71	BDL	3.63	2.65	BDL	4.46	2.12	
Nitenana Ovidos (ne NO.)	uo/m	3.57	4.42	3.99	3,58	4.63	3.87	3.62	5.97	4.71	
		Particulate Matter (PM <sub>10</sub> ) μg/m <sup>3</sup> Sulphur Dioxide (SO <sub>2</sub> ) μg/m <sup>3</sup>	Min	A-19 (Dec)   Min   Max	A-19 (Dec)	A-19 (Dec)   A-	A-19 (Dec)   A-19 (Jan)   Min   Max   Avg   Min   Max   Max   Avg   Min   Max   M	A-19 (Dec)   A-19 (Jan)	A-19 (Dec)   A-19 (Jan)	A-19 (Dec)   A-19 (Jan)   A-19 (Feb)	

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference

BDL-Below Detection Limit, DL-Detection Limit

| Parameters | Test Methods | | Particulate Matter (PM<sub>10</sub>) | IS: 5182 (P-23) 2004 | | Sulphur Dioxide (SO<sub>2</sub>) | IS: 5182 (P-2) 2001 (DL = 2.75 µg/m²) | | Nitrogen Oxides (as NO<sub>2</sub>) | IS: 5182 (P-6) 1975 |

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#### **TEST REPORT**

EL-1.	3-14/59		do	1:28/03	114 1	Lab No.	EC14	03BA0	1	1	Page-1/1
Custo	omer:	Sh. Indra Ordinary Tehsil - C/o Udair	Sand (B	ajri) Are Dist. – J	ea – 169 Ihalawa		L.			- All	
Type	of Sample:	Ambient .	Air								
Work	Order	MOU									
Mode	of Collection of Sample:	le: SAMPLE / MONITORING DATA PROVIDED BY CUSTOMER									
Samp	ling Location:	A11) Near 'Ganeshpura'									
Samp	ling Team:	Customer Representative: Mr. Anjani & Team									
Date	of Sampling:	02.12.13,03.12.13,09.12.13,10.12.13,16.12.13,17.12.13,23.12.13,24.12.13, 06.01.14,07.01.14.15.01.14,16.01.14,20.01.14, 21.01.14, 27.01.14, 28.01.14,03.02.14,07.02.14,10.02.14,11.02.14,17.02.14,18.02.14,18.02.14,24.02.14, 14					.14,25.02				
Date	of Reporting:	18.03.14									
Testir	ng Protocol:	National /	Ambient	Air Qu	ality Sta	ındards (N	(AAQS)	2009			
S.No	Test Parameters	Unit					Results				
			the state of the s	A-1(Dec)			(Jan)		A-1(Feb)		-
	Particulate Matter (PM <sub>10</sub> )	tion (mail	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1.	The state of the s	μg/m²	66.67	79.95	72.22	64.05	78.15	71.68	63.48	74.10	70.99
2.	Sulphur Dioxide (SO <sub>2</sub> )	μg/m²	BDL.	3.82	2.91	BDL	3.59	2.38	BDL	4.37	2.30
3.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m²	2.87	5.33	4.44	3.55	5.04	4.22	4.04	5.18	4.77

Note: The National Ambient Air Quality Standards, 2009 are enclosed along for reference BDL= Below Detection Limit, DL= Detection Limits

Parameters	Test Methods
Particulate Matter (PM <sub>10</sub> )	IS: 5182 (P-23) 2004
Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (P-2) 2001 (DL= 2.75 μg/m <sup>3</sup> )
Nitrogen Oxides (as NO <sub>2</sub> )	IS: 5182 (P-6) 1975



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#### TEST REPORT

EL-13-1	4/74	dis	28/03//4 Lab No. E	C1403BA24 Page-1/			
Customer:		Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil - John Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.					
Type of S	Sample:	Ambient Air					
Work Or		MOU					
Mode of	Collection of Sample:	Sample / Mo	nitoring Data provided b	v Customer			
Sampilii 4	g Location:	Near Binda, A A9) Near Nea A11) Near Ga Near Jhalrapa	A5)Near Dhanodi, A6) Nea ar Sangam Rewa River, A1 aneshpura, A19) Near Chi atan, A24) Near Jhalawar	nghpura, A3) Near Nayagaon, A4 ar Mandawar, A7) Near Motipura, 0) Near Rewa River Pipaliya, ttraur, A22) Near Raipur, A23)			
Date of S	Sampling:	16.12.13, 17.1	2.13, 20.01.14, 21.01.14,	17.02.14, 18.02.14			
Date of I	Reporting:	18.03.14		40.00			
S.No	Location	Unit	Free Silica in PM <sub>10</sub>	. Test Method			
1.	Al	μg/m <sup>3</sup>	0.61	Lab SOP based on AIOSH 7601			
2.	A2	μg/m³	0.59	Lab SOP based on AIOSH 7601			
3.	A3	μg/m³	0.50	Lab SOP based on AIOSH 7601			
4,	A4	μg/m³	0.60	Lab SOP based on AlOSH 7601			
5.	A5	μg/m³	0.51	Lab SOP based on AIOSH 7601			
6.	A6	μg/m³	0.32	Lab SOP based on AIOSH 7601			
7.	A7	μg/m³	0.79	Lab SOP based on AIOSH 7601			
8.	A9	μg/m³	0.40	Lab SOP based on AIOSH 7601			
9.	A10	µg/m <sup>3</sup>	0.59	Lab SOP based on AIOSH 7601			
10.	A11	μg/m³	0.50	Lab SOP based on AIOSH 7601			
11.	A19	μg/m³	0.60	Lab SOP based on AIOSH 7601			
12.	A22	μg/m³	0.43	Lab SOP based on AIOSH 7601			
13.	A23	μg/m³	0.89	Lab SOP based on AIOSH 7601			
14.	A24	µg/m³	0.50	Lab SOP based on AIOSH 7601			

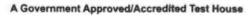


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#### **TEST REPORT**

EL-I	13-14/97	d	1 28/03/14	Lab No.	EC1403AN01-24	Page-1
	omer:	Sh. Indra jo Ordinary Sa Tehsil -Jb-k	eet Singh Jh nd (Bajri) A	rea – 1695.06 Jhalawar (Raj	Hect.	
Туре	of Sample:			.eq (10-11 am	/4-5pm)	
	Order	MOU				
Mode	e of Collection of Sample:	SAMPLE /	MONITOR	ING DATA	PROVIDED BY CUS	TOMER
Sampling Location:		Near Binda, N9) Near No N11) Near C	N5)Near Dh ear Sangam I Janeshpura,	ianodi, N6) N Rewa River N	singhpura, N3) Near N ear Mandawar, N7) No 10) Near Rewa River hittraur, N22) Near Ra	ear Motipura Pipaliya,
Date	of Sampling:	16.12.13, 17	.12.13, 20.01	.14, 21.01.14	, 17.02.14, 18.02.14	
	of Reporting:	18.03.14				
Testi	ng Protocol:	Ambient Air	Quality Sta	ndards for No	ise	
S.No	Test	Location	Unit	Results	Test Met	
1	Ambient day Time Noise Levels 1 Hour Leq	NI	dB(A)	52.1	IS: 9989: 1981 R-200	)2
2	Ambient day Time Noise Levels 1 Hour Leq	N2	dB(A)	50.1	IS: 9989: 1981 R-2002	
3.	Ambient day Time Noise Levels 1 Hour Leq	N3	dB(A)	50.2	IS: 9989: 1981 R-2002	
4.	Ambient day Time Noise Levels 1 Hour Leq	N4	dB(A)	51.1	IS: 9989: 1981 R-200	2
5.	Ambient day Time Noise Levels 1 Hour Leq	N5	dB(A)	53.1	IS: 9989: 1981 R-200	2
6.	Ambient day Time Noise Levels 1 Hour Leq	N6	dB(A)	50.4	IS: 9989: 1981 R-200	~
7.	Ambient day Time Noise Levels 1 Hour Leq	N7	dB(A)	51.3	IS: 9989: 1981 R-200	2
8.	Ambient day Time Noise Levels 1 Hour Leq	N9	dB(A)	50.2	IS: 9989: 1981 R-200	С 0
9.	Ambient day Time Noise Levels 1 Hour Leq	N10	dB(A)	51.1	IS: 9989: 1981 R-200	2
10.	Ambient day Time Noise Levels 1 Hour Leq	NII	dB(A)	54.1	1S: 9989: 1981 R-200	2
11.	Ambient day Time Noise Levels 1 Hour Leq	N19	dB(A)	50.2	IS: 9989: 1981 R-200	2
12.	Ambient day Time Noise Levels 1 Hour Leq	N22	dB(A)	50.3	1S: 9989: 1981 R-200	
13.	Ambient day Time Noise Levels 1 Hour Leq	N23	dB(A)	51,1	IS: 9989: 1981 R-200	
14.	Ambient day Time Noise Levels 1 Hour Leq	N24	dB(A)	50.2	15: 9989: 1981 R-200	2





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#### **TEST REPORT**

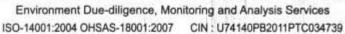
EL-1	3-14/48	18:2	0/03/14	Lab No.	EC1403AN01-24	Page-1/				
	omer:	Sh. Indra j Ordinary Sa Tehsil - Jay	eet Singh Jh and (Bajri) A	rea – 1695.06 Jhalawar (Raj						
Type	of Sample:		Ambient Noise; 1 hour Leq (10-11 pm)							
	Order	MOU			f					
	of Collection of Sample:	and the state of the Contract	MONITOR	ING DATA I	PROVIDED BY CUS	TOMER				
Sampling Location:		Near Binda N9) Near N N11) Near (	, N5)Near Dl ear Sangam Ganeshpura,	nanodi, N6) Ne Rewa River N	singhpura, N3) Near N ear Mandawar, N7) No 10) Near Rewa River I nittraur, N22) Near Ra	ear Motipura Pipaliya,				
Date	of Sampling:	16.12.13, 17	.12.13, 20.0	1.14, 21.01.14.	17.02.14, 18.02.14					
Date	of Reporting:	18.03.14								
Testi	ng Protocol:	Ambient Ai	r Quality Sta	indards for No	5¢					
5.50	Test	Location	Unit	Results	Test Met	hod				
1_	Ambient day Time Noise Levels 1 Hour Leq	741	dB(A)	43.2	15, 9989, 1981 R-200	2				
2	Ambient day Time Noise Levels 1 Hour Leq	N2	dB(A)	41.2	15: 9989: 1981 K-2002					
3.	Ambient day Time Noise Levels 1 Hour Leq	N3	dB(A)	40.1	1S: 9989: 1981 R-2002					
4.	Ambient day Time Noise Levels 1 Hour Leq	N4	dB(A)	43.1	15: 9989: 1981 R-200	2				
5.	Ambient day Time Noise Levels 1 Hour Leq	N5	dB(A)	42.3	1S: 9989: 1981 R-200	2				
6.	Ambient day Time Noise Levels 1 Hour Leq	N6	dB(A)	42.1	1S: 9989: 1981 R-200	2				
7.	Ambient day Time Noise Levels 1 Hour Leq	N7	dB(A)	44.5	15: 9989: 1981 R-200	2				
8.	Ambient day Time Noise Levels 1 Hour Leq	N9	dB(A)	43.1	IS: 9989: 1981 R-200					
9.	Ambient day Time Noise Levels 1 Hour Leq	N10	dB(A)	41.2	IS: 9989; 1981 R-200	2				
10.	Ambient day Time Noise Levels 1 Hour Leq	NII	dB(A)	43.2	15: 9989: 1981 R-200	·				
11.	Ambient day Time Noise Levels 1 Hour Leq	N19	dB(A)	42.5	15: 9989: 1981 R-200					
12	Ambient day Time Noise Levels 1 Hour Leq	N22	dB(A)	42.5	15: 9989: 1981 R-200					
13.	Ambient day Time Noise Levels I Hour Leq	N23	dB(A)	39.9	IS: 9989: 1981 R-200					
14.	Ambient day Time Noise Levels I Hour Leq	N24	dB(A)	41.2	IS: 9989: 1981 R-200	2				

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Annexure No.



# Eco Laboratories & Consultants Pvt. Ltd.





### **TEST REPORT**

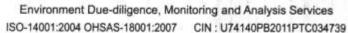
EL-1	4-15/10	dt: 28/03/	19 Lab No.	EC1403BS10	Page-1/1				
Customer:		Ordinary San Tehsil Jak	t Singh Jhala d (Bajri) Area – pann Dist. – Jh Min-Tech Pvt. L	alawar (Raj.)					
Type	of Sample:	Soil							
Work	Order:	MOU							
Mode	of Collection of Sample:	SAMPLE/M	ONITORING	DATA PROVIDED BY	Y CUSTOMER				
Packi	ng, Markings, Seal:	Plastic Polyba	g Marked Near	Jhalawar'					
Quant		2 kg	14						
Dates of Sampling:			16.12.13, 17.12.13, 20.01.14, 21.01.14, 17.02.14, 18.02.14.						
Date	of Reporting:	18.03.14.	11.5		e fatti				
Testin	ng Protocol;	EIA Guidance	: Manual- Minin	g of Minerals: Annexu	re-3				
S.No	Test Parameters	Units	Results	Test Method	Halte				
1.	pH (1:2.5)		7.11	IS:2720 (P-26) 1987	44751				
2.	Texture	***	Sandy Clay	IS: 2720 (Part 4) 1985					
3,	Color	+	Gray	Soil & Solid Waste A	nalysis Manual				
4.	Water Holding Capacity	3%	74.91	Based on Lab SOP LI	P-32 S4				
5	SAR		<10	By Calculation					
6	Bulk Density	gm/cc	1.19	IS:2720 (Part-III): 198	80				
7	Organic Matter	%	0.78	IS:2720 Part-22) 197	2				
8.7	Electrical Conductivity of Saturation Extract (1:2)	mhos/em	0.0738	IS: 14767: 2000					
9.	Permeability	mm/hour	2.19	IS: 2720 (P-17) 1986-	R-2002				



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#### **TEST REPORT**

EL-1	14-15/09	dt: 28/0	3/19 Lab No.	EC1403BS09	Page-1/1			
Custo	omer:	Ordinary Sar Tehsil -Jhak	et Singh Jhala nd (Bajri) Area – 1 mpeto Dist. – Jha Min-Tech Pvt. Lto	lawar (Raj.)				
Type	of Sample:	Soil						
Work	Corder:	MOU						
Mode	e of Collection of Sample:	SAMPLE/ N	MONITORING D	ATA PROVIDED BY	CUSTOMER			
Packi	ing, Markings, Seal:	Plastic Polyb	ag Marked 'Near J	halrapatan'	-billigh			
Quan	tity:	2 kg			1001			
	s of Sampling:	16.12.13, 17.	16.12.13, 17.12.13, 20.01.14, 21.01.14, 17.02.14, 18.02.14,					
Date	of Reporting:	18.03.14.	-	1 1 1 1 1 1	THE PROPERTY.			
Testi	ng Protocol:	EIA Guidanc	EIA Guidance Manual- Mining of Minerals: Annexure-3					
S.No	Test Parameters	Units	Results	Test Method				
1.	pH (1:2.5)		7.17	IS:2720 (P-26) 1987				
2.	Texture		Sandy loam	IS: 2720 (Part 4) 1985				
3.	Color		Light Brown	Soil & Solid Waste Ar	nalysis Manual			
4.	Water Holding Capacity	.26	24.41	Based on Lab SOP LP	-32 S4			
5.	SAR		<10	By Calculation				
6.	Bulk Density	gm/cc	1.59	IS:2720 (Part-III): 198	0 -			
7,	Organic Matter	96	0.70	IS:2720 Part-22) 1972	CITIES .			
8.	Electrical Conductivity of Saturation Extract (1:2)	mhos/cm	0.0341	IS: 14767: 2000	250			
9.	Permeability	mm/hour	2.14	IS: 2720 (P-17) 1986-1	R-2002			



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### **TEST REPORT**

EL-1	4-15/02	dt:28/03	/19 Lab No.	EC1403BS02	Page-1/			
Custo	omer:	Ordinary San Tehsil Jhak	et Singh Jhala nd (Bajri) Area – no Dist. – Jh Min-Tech Pvt. L	alawar (Raj.)				
Туре	of Sample:	Soil						
Work	Order:	MOU						
Mode	of Collection of Sample:	SAMPLE/ N	IONITORING	DATA PROVIDED BY	CUSTOMER			
Packi	ng, Markings, Seal:	Plastic Polyb	ag Marked ' Nea	r Morukheri'				
Quan	tity:	2 kg						
Dates of Sampling:		16.12.13, 17.	16.12.13, 17.12.13, 20.01.14, 21.01.14, 17.02.14, 18.02.14.					
Date	of Reporting:	18.03.14,						
Testir	ng Protocol:	ElA Guidane	e Manual- Minin	g of Minerals: Annexu	re-3			
S.No	Test Parameters	Units	Results	Test Method				
L	pH (1:2.5)	-	7.28	IS:2720 (P-26) 1987				
2	Texture		Sandy Clay	IS: 2720 (Part 4) 1985				
3.	Color		Light Brown	Soil & Solid Waste Ar	alysis Manual			
4.	Water Holding Capacity	-5%	64.10	Based on Lab SOP LP	-32 S4			
5.	SAR	- 4	<10	By Calculation				
6.	Bulk Density	gm/cc	1.9	IS:2720 (Part-III): 198	0			
7	Organic Matter	9/0	0.86	IS:2720 Part-22) 1972				
8.	Electrical Conductivity of Saturation Extract (1:2)	mhos/cm	0.0378	IS: 14767; 2000				
9.	Permeability	mm/hour	3.23	IS: 2720 (P-17) 1986-E	X-2002			



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#### **TEST REPORT**

EL-1	4-15/ //	dt:28/03/	14 Lab No.	EC1403BS11	Page-1/1			
Customer;		Sh. Indra jee Ordinary San Tehsil – Jhek	et Singh Jhala d (Bajri) Area – 1 periodop Dist. – Jha Min-Tech Pvt. Lto	lawar (Raj.)				
Type	of Sample:	Soil		1 1 1	3 (29)			
Work	Order:	MOU		1 2 2 2 2 2 2	10000			
Mode	of Collection of Sample:	SAMPLE/ M	IONITORING D	ATA PROVIDED B	Y CUSTOMER			
Packi	ng, Markings, Seal:	Plastic Polyba	ng Marked 'Near I	Rajpura'				
Quan	tity:	2 kg		1	1.8.63			
Dates of Sampling:		16.12.13, 17.1	12.13, 20.01.14, 2	1.01.14, 17.02.14, 18.	02.14.			
Date of Reporting:		18.03.14.						
Testir	ng Protocol:	EIA Guidance	EIA Guidance Manual- Mining of Minerals: Annexure-3					
5.No	Test Parameters	Units	Results	Test Method				
I.	pH (1:2.5)	÷3	7.19	IS:2720 (P-26) 1987	1			
2.	Texture		Sandy Cfay	IS: 2720 (Part 4) 1983	5			
3,	Color		Brown	Soil & Solid Waste A	nalysis Manual			
4.	Water Holding Capacity	56	73.79	Based on Lab SOP LI	P-32 S4			
5.	SAR		<10	By Calculation				
6.	Bulk Density	gm/cc	1.65	IS:2720 (Part-III): 19	80			
7.	Organic Matter	5/6	2.57	IS:2720 Part-22) 197	2			
8.	Electrical Conductivity of Saturation Extract (1:2)	mhos/cm	0.0326	IS: 14767: 2000				
9.	Permeability	mm/hour	2,11	IS: 2720 (P-17) 1986-	R-2002			



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### **TEST REPORT**

EL-1	14-15/03	dt:28/03	14 Lab No.	EC1403BS03	Page-1/1			
Customer:		Ordinary San Tehsil Jhak	et Singh Jhala nd (Bajri) Area – ne cise Dist. – Jha Min-Tech Pvt. Lt	alawar (Raj.)				
Type	of Sample:	Soil-						
Work	Order:	MOU						
Mode	e of Collection of Sample:	SAMPLE/ N	IONITORING I	DATA PROVIDED BY	CUSTOMER			
Packi	ing, Markings, Seal:	Plastic Polyb	ag Marked 'Near	Ruparel'				
Quan		2 kg			u Origina			
Dates of Sampling:		16.12.13, 17.	16.12.13, 17.12.13, 20.01.14, 21.01.14, 17.02.14, 18.02.14.					
Date of Reporting:		18.03.14.						
Testi	ng Protocol:	EIA Guidanc	e Manual- Mining	g of Minerals: Annexu	re-3			
S.No	Test Parameters	Units	Results	Test Method				
1.	pH (1:2.5)		5.83	IS:2720 (P-26) 1987				
2.	Texture	(44)	Sandy Loam	IS: 2720 (Part 4) 1985	A			
3.	Color		Dark Grey	Soil & Solid Waste Ar	nalysis Manual			
4.	Water Holding Capacity	%	26.30	Based on Lab SOP LP	-32 S4			
5.	SAR		<10	By Calculation	-: G			
6.	Bulk Density	gm/cc	1.68	IS:2720 (Part-III): 198	0			
7.	Organic Matter	76	1.25	IS:2720 Part-22) 1972	2			
8.	Electrical Conductivity of Saturation Extract (1:2)	mhos/cm	0.0409	IS: 14767: 2000	554			
9.	Permeability	mm/hour	3.56	IS: 2720 (P-17) 1986-I	R-2002			



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#### **TEST REPORT**

EL-1	4-15/06	dt:28/0	3/14 Lab No.	EC1403BS06	Page-1/1				
Custo	omer:	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jholosopatha Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.							
Type	of Sample:	Soil			102.5				
Work	Order:	MOU			d'a				
Mode	of Collection of Sample:	SAMPLE/ N	IONITORING I	DATA PROVIDED BY	CUSTOMER				
Packi	ng, Markings, Seal:	Plastic Polybag Marked 'Near Basyheri'							
Quan	tity:	2 kg							
	of Sampling:	16.12.13, 17.	12.13, 20.01.14, 2	21.01.14, 17.02.14, 18.0	2.14.				
Date	of Reporting:	18.03.14.							
Testin	ng Protocol:	EIA Guidane	e Manual- Mining	g of Minerals: Annexu	re-3				
S.No	Test Parameters	Units	Results	Test Method	4				
T.	pH (1:2.5)		7.05	IS:2720 (P-26) 1987	Contract the contract of the c				
2.	Texture	100	Sandy Clay	IS: 2720 (Part 4) 1985	444				
3.	Color	-	Dark Brown	Soil & Solid Waste Ar	alysis Manual				
4.	Water Holding Capacity	56	70.69	Based on Lab SOP LP	-32 S4				
5.	SAR		<10	By Calculation					
6:	Bulk Density	gm/cc	1.6	IS:2720 (Part-III): 198	0				
7.	Organic Matter	96	1.17	IS:2720 Part-22) 1972					
8.	Electrical Conductivity of Saturation Extract (1:2)	mhos/cm	0.0369	IS: 14767: 2000	u li				
9.	Permeability	mm/hour	2.16	IS: 2720 (P-17) 1986-I	R-2002				



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E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071 TeleFax: 0172-4616225 M: 9781303109 consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org

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#### **TEST REPORT**

EL-1	4-15/07	dt:28/0	3/14 Lab No.	EC1403BS07	Page-1/1					
Custo	omer:	Sh. Indra jeef Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalorgaith Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.								
Type	of Sample:	Soil								
Colombia Colombia	Order:	MOU			July 2					
Mode	e of Collection of Sample:	SAMPLE/ N	IONITORING D	ATA PROVIDED BY	Y CUSTOMER					
Packi	ing, Markings, Seal:	Plastic Polyb	ag Marked 'Near !	Sunel'						
Quan	and the second s	2 kg								
	of Sampling:	16.12.13, 17.12.13, 20.01.14, 21.01.14, 17.02.14, 18.02.14.								
Date	of Reporting:	18.03.14.								
Testin	ng Protocol;	EIA Guidanc	e Manual- Mining	of Minerals: Annexu	re-3					
S.No	Test Parameters	Units	Results	Test Method						
1.	pH (1:2.5)		7.29	IS:2720 (P-26) 1987						
2	Texture		Sandy Clay	1S: 2720 (Part 4) 1985	E .					
3.	Color		Dark Brown	Soil & Solid Waste A	nalysis Manual					
4.	Water Holding Capacity	16	69.60	Based on Lab SOP LF	-32 S4					
5.	SAR	**	<10	By Calculation	240					
6,	Bulk Density	gm/cc	1.5	IS:2720 (Part-III): 198	00					
7.1	Organic Matter	%.	1.32	IS:2720 Part-22) 197;	2					
8.	Electrical Conductivity of Saturation Extract (1:2)	mhos/cm	0.0308	IS: 14767: 2000	121					
9.	Permeability	mm/hour	2.13	IS: 2720 (P-17) 1986-	R-2002					



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### **TEST REPORT**

EL-1	4-15/43		dt:	18/03/14 1	the second second second second	C1403BW31 Page-1/						
	omer:	O	h. Indra jeet S rdinary Sand (l ehsil <b>Jhake)</b> /o Udaipur Mi	ingh Jhal Bajri) Area Dist. –	a - 1695.0 <b>6</b> Jhalawar (F	Hect. Raj.)						
Type	of Sample:	//	Water									
	Order No. & Date:	N	IOU									
	e of Collection of San					ROVIDED BY CUSTOMER						
	ing, Markings, Seal:	P	lastic bottle Ma	arked Bine	ia'							
	ntity:	3	litre									
A PROPERTY AND	s of Sampling:	23	1,12,13, 24,12,	13, 27,01,1	4, 28.01.14,	24.02.14, 25.02.14.						
80.00	of Reporting:	1.5	03.14									
	ing Protocol:	15	s: 10500-2012/	EIA Guid	ance Manua	d- Mining of Minerals: Annexure-5						
	arks & Observation:		lear colorless l									
Kem (No	Test Parameters	Units			uirements	Test Method						
	Test Parameters	Cints	235555	Desirable Limits	In Absence Alternate So	urce						
1.	pH value	-	7.94	6.5 to 8.5	No relaxati	on IS: 3025(P-11) 1983 R-2002						
2	Colour		-45	Max 5	Max 15	1S: 3025(P-4)1983 R-2002						
3.	Turbidity	NTU	<5	Max I	Max 5	IS: 3025 (P-10) 1984 R-2002 (DL=2 NTU)						
4.	Odour	- 44	Agrecable	Agreeable		e IS: 3025(P-5)1983 R-2002						
5.	Total Hardness (as CaCO3)	mg/l	225.4	Max 200	Max 600	1(MDL= 0.1 mg/l)						
6.	fron (as Fe)	mg/l	0.14	Max 0.3	No Relaxat	ion 1S: 3025(P-53): 2003 (DL=0.1 mg/l)						
7.	Chlorides (as Cl)	mg/l	25.3	Max 250	Max 1000	(DL=1 mg/l)						
8.	Sulphate (as SO4)	mg/l	34.3	Max 200	Max 40	(DL-1 mg/l)						
9,	Dissolved solids	mg/l	620	Max 500	Max 200	(DL=5 mg/l)						
10.	Electrical Conductivity	umhos/c	am 1100			IS 3025 (P-14) 1984, R2002						
11.		mg/l	96	Max 200	Max 60	(DL=1 mg/l)						
12.	Nitrate (as NO3)	mg/l	13.67	Max 45	No Relaxa	(DL=0.1 mg/l)						
13.	Fluoride (as F)	mg/	0.44	Max 1.0	Max 1.	(DL=0.01 mg/l)						
14.	Cyanide (as CN)	mg/	BDL	Max 0.05	No relaxat	ion USEPA-335.4 Calorimetric Method APHA-22° Ed 2012-4500E						

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071 TeleFax: 0172-4616225 M: 9781303109 consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org

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EL-	14-15/43		dt: 181	03/14 L	ab No.	EC1403	BW31	Page-2/2
S.No	io Test Parameters Units		Results	Requirements			Test Method	
				Desirable Limits	4,700,700,700	sence of te Source	J	
15.	Copper (as Cu)	mg/l	0.04	Max 0.05	Mi	xx 1.5	IS: 3025 (Part 42): (DL= 0.02 mg/l (AAS: Chelation	
16.	Zinc (as Zn)	mg/l	BDL.	Max 5	Mi	ax 15	IS 3025 (P-49) I (DL= 0.02 mg/l) (AAS: Chelation	
17.	Lead (as Pb)	mg/l	BDL	Max 0.01	No relaxation		1S3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)	
18.	Phenolic compounds (as C <sub>0</sub> H <sub>5</sub> OH)	mg/l	BDL	Max 0.001	Max 0.002		IS3025 (P-43) 19 (DL=0.0001 mg/	92 R 1998 Ad. 2
19.	Cadmium (as Cd).	mg/l	BDL	Max 0.003	No rela	axation	IS: 3025(P-41) 19 (DL=0.008 mg/l) (AAS: Chelation	992 R 1998
20.	Total Arsenic (as As)	mg/l	BDL	Max 0.01	Max 0.05		IS: 3025(Part 37): 1988 R 1996 (DL=0.02 mg/l) (AAS: Chelation by Extraction	
21.	Chromium (as Cr)	mg/I	BDL	Max 0.05	No relaxation		APHA 21" ED. 20 (DL=0.02 mg/l) (AAS: Chelation	005-3111 B
22	Coliforms	MPN/100ml	Absent	Absent		**	IS: 1622-1981 R (DL= 2 MPN/100	2003
23.	E.coli/100ml	2.00	Absent	Absent			IS: 1622-1981 R	





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#### **TEST REPORT**

EL-1	4-15/30		dt:28	03/14 L	ab No. I	EC1403BW18	Page-1/2					
	omer:	Ord Teh	Indra jeet S inary Sand (I sil – J holom Udaipur Mir	ingh Jhala Bajri) Area <b>M</b> oDist. –	– 1695.0 <b>6</b> Jhalawar (1	Hect. Raj.)						
Type	of Sample:	Wat	Water									
Work	Order No. & Date:	MO	MOU SAMPLE/ MONITORING DATA PROVIDED BY CUSTOMER									
	of Collection of Sam	ple: SAl	MPLE/ MO	NITORIN	G DATA I	ROVIDED BY CUS	OMER					
Packi	ing, Markings, Seal:	Plas	tic bottle Ma	irked 'Rupa	irel'							
Quan		3 lit	re									
	s of Sampling:	23.1	2.13, 24,12.1	3, 27.01.1	4, 28.01.14	, 24.02.14, 25.02.14.						
	of Reporting:	10.0	2.14									
	ng Protocol:	1S:	10500-2012/	EIA Guida	ance Manu:	al- Mining of Minerals	: Annexure-5					
Down	arks & Observation:	Cle	ar colorless l	iquid								
and Deliver Street	Test Parameters	Units	Results	Rec	uirements	Test Method						
s.No	Test Parameters	Cinc		Desirable Limits	In Absence Alternate So	urce						
1	pH value	++	7.69	6.5 to 8.5	No relaxati	ion IS: 3025(P-11) 198	3 R-2002					
2	Colour	+-	<5	Max 5	Max 15	1S: 3025(P-4)1983	R-200Z					
3.	Turbidity	NTU	<5	Max 1	Max 5	(DL=2 NTU)						
4.	Odour		Agreeable	Agreeable	Agreeabl	le IS: 3025(P-5)1983	R-2002					
5.	Total Hardness (as CaCO3)	mg/l	652.8	Max 200	Max 600	I(MDI = 0.1  mg/I)						
- 6	Iron (as Fe)	mg/l	BDL	Max 0.3	No Relaxa	tion 1S: 3025(P-53); 20	03 (DL=0.1 mg/l)					
7,	Chlorides (as Cl)	mg/l	1056.7	Max 250	Max 100	(Egm 1=10)						
8.	Sulphate (as SO4)	mg/l	39.9	Max 200	Max 4	$i\Omega t = 1 \text{ mg/l}$						
9.	Dissolved solids	mg/l	1950	Max 500	Max 20	(DL=5 mg/l)						
10.	Electrical Conductivity	umhos/cm	3450	**		1S 3025 (P-14) 19	84, R2002					
11.	and the second s	mg/l	324	Max 200	Max 60	f(0) = 1  me/1						
12-	Nitrate (as NO3)	mg/l	16.84	Max 45	No Relax	Ot = 0.1  me/D						
	Fluoride (as F)	mg/l	0.25	Max 1.0	Max 1	S APHA 21 <sup>87</sup> ED, 2 (DL=0.01 mg/l) tion LSEPA-335.4 Calo						
13.	(   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				No relaxo							

EL-	14-15/30		dt:2	5/03/14 L	ab No.	EC1403	BW18	Page-2/2
S.No		Units	Results	Requirements			Test Method	
				Desirable Limits	2000 1000 1000	ence of te Source		2
15.	Copper (as Cu)	mg/l	BDL	Max 0.05	Ma	x 1.5	IS: 3025 (Part 42): (DL= 0.02 mg/l) (AAS: Chelation	
16.	Zinc (as Zn)	mg/l	0.3	Max 5	Ма	x 15	IS 3025 (P-49) 19 (DL= 0.02 mg/l) (AAS: Chelation	
17.	Lead (as Pb)	mg/l	BDL	Max 0.01	No rela	exation	IS3025 (P-47) 19 (DL=0.02 mg/l) (AAS: Chelation	92R 1999
18.	Phenolic compounds (as C <sub>0</sub> H <sub>5</sub> OH)	mg/I	BDL	Max 0.001	Max	0.002	IS3025 (P-43) 19 (DL=0.0001 mg/l	92 R 1998 Ad.
19.	Cadmium (as Cd).	mg/l	BDL	Max 0.003	No rela	xation	IS: 3025(P-41) 19 (DL=0.008 mg/l) (AAS: Chelation)	92 R 1998
20.	Total Arsenic (as As)	mg/l	BDL	Max 0.01	Max	0.05	IS: 3025(Part 37): (DL=0.02 mg/l) (AAS: Chelation I	1988 R 1999
21.	Chromium (as Cr)	Pgm	BDL.	Max 0.05	No rela	xation	APHA 21" ED. 20 (DL=0.02 mg/l) (AAS: Chelation b	05-3111 B
22.	Coliforms	MPN/100ml	Absent	Absent			IS: 1622-1981 R 2 (DL= 2 MPN/100)	003
23.	E.coli/100ml	***	Absent	Absent			IS: 1622-1981 R 2	107







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#### **TEST REPORT**

EL-1	4-15/45		Sh. Indra jeet Singh Jhala  Page-1/2								
	omer:	1	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.								
Type	of Sample:	1	Water								
	Order No. & Date:	1	MOU								
	e of Collection of San	nple: S	AMPLE/ MC	NITORIN	G DATA PROV	VIDED BY CUSTO	OMER				
Packing, Markings, Seal: Plastic bottle Marked 'Basyheri'											
	ntity:		litre								
	s of Sampling:			13, 27,01,1	4, 28,01,14, 24.0	2.14, 25.02.14.					
	of Reporting:		8.03.14								
	ng Protocol:			FIA Guid	ance Manual- M	ining of Minerals:	Annexure-5				
	arks & Observation:		lear colorless		mires (vimilant), 141	ming of trimeration					
Kem No	Test Parameters	Unit	and the state of t		quirements	Test Method					
. NO	Test Parameters	Unit	Kesuns		In Absence of Alternate Source						
1.	pH value		6.69	6.5 to 8.5	No relaxation	IS: 3025(P-11) 1983 F					
	Colour		+15	Max 5	Max 15	IS: 3025(P-4)1983 R-					
1.	Turbidity	NTL	<5	Max I	Max 5	IS: 3025 (P-10) 1984 (DL= 2 NTU)					
4.	Odour	+-	Agreeable	Agreeable	Agreeable	IS: 3025(P-5)1983 R-					
5.	Total Hardness (as CaCO3)	mg/l	212.5	Max 200	Max 600	1S: 3025(P-521) 1983 1(MDL= 0.1 mg/l)					
6	Iron (as Fe)	mg/l	0.19	Max 0.3	No Relaxation	IS: 3025(P-53): 2003	(DL=0.1 mg/l)				
7.	Chlorides (as Cl)	mg/l	14.9	Max 250	Max 1000	1S: 3025 (P-32); 1988 (DL=1 mg/l)					
8.	Sulphate (as SO4)	mg/l	14.3	Max 200	Max 400	183025 (P-24)1986R 19 (DL=1 mg/l)					
9.	Dissolved solids	mg/l	410	Max 500	Max 2000	IS: 3025 (P-16): 1984 (DL=5 mg/l)					
10.	Electrical Conductivity	jamhos/		++		IS 3025 (P-14) 1984.					
11.	Alkalinity	mg/	80	Max 200	Max 600	APHA 21" ED 2005- (DL=1 mg/l)					
12.	Nitrate (as NO3)	mg/	2.33	Max 45	No Relaxation	IS: 3025 (P-34)1988 (DL= 0.1 mg/l)					
13.	Fluoride (as F)	mg/	0,26	Max 1.0	Max 1.5	APHA 21 <sup>87</sup> ED. 2005 (DL=0.01 mg/l)	Telegraphic III.				
14.	Cyanide (as CN)	mg/	BDL.	Max 0.05	No relaxation	USEPA-335.4 Calorime APHA-22 SEd 2012-45	00E-				

EL-	14-15/4		di d	8/03/14 L	ab No.	EC1403	BW33	Page-2/2
S.No		Units	Results	Requirements			Test Method	
				Desirable Limits	300,000	sence of te Source		
15.	Copper (as Cu)	mg/l	BDL	Max 0.05	Ma	ix 1.5	IS: 3025 (Part 42): (DL= 0.02 mg/l) (AAS: Chelation l	
16.	Zinc (as Zn)	mg/l	0.7	Max 5	Mi	ax 15	IS 3025 (P-49) 19 (DL= 0.02 mg/l) (AAS: Chelation b	
17.	Lead (as Pb)	mg/l	BDL.	Max 0.01	No relaxation		IS3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)	
18.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL	Max 0.001	Max	0.002	IS3025 (P-43) 1992 R 1998 Ac (DL=0.0001 mg/l)	
19.	Cadmium (as Cd).	mg/l	BDL.	Max 0.003	No rela	exation	IS: 3025(P-41) 199 (DL=0.008 mg/l) (AAS: Chelation b	92 R 1998
20.	Total Arsenic (as As)	mg/I	BDL	Max 0.01	Max 0.05		IS: 3025(Part 37); (DL=0.02 mg/l) (AAS: Chelation b	1988 R 1999
21.	Chromium (as Cr)	mg/l	BDL	Max 0.05	No relaxation		APHA 21 <sup>st</sup> ED. 20 (DL=0.02 mg/l) (AAS: Chelation b	95-3111 B
22.	Coliforms	MPN/100ml	Absent	Absent		-	IS: 1622-1981 R 20 (DL= 2 MPN/100n	003
23.	E.coli/100ml		Absent	Absent		**	IS: 1622-1981 R-20	203





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#### **TEST REPORT**

EL-	14-15/33	1.0	dt:	28/03/14	Lab No. EC1	403BW21 Page-1/					
Cust	omer:	-	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.05 Hect, Tehsil – Jhalawar (Raj.) C/o Udaipur Min-Tech Pyt. Ltd.								
Type	of Sample:		Water								
	k Order No. & Date:	1	MOU								
Mod	e of Collection of San	nole: 5	SAMPLE/ M	ONITORIN	G DATA PRO	VIDED BY CUSTOMER					
	ing, Markings, Seal:		Plastic bottle !								
	ntity:		litre	THIRT CITY							
_	s of Sampling:			13 27 01	4 28 01 14 24	02.14, 25.02.14.					
	of Reporting:		8.03.14	61.1-24 (6.2.10 Lt)	7, 20,011,77, 27,	MALL TO ASSISTANTIA					
				2/ E1A (2:46)	anca Manual A	fining of Minerals: Annexure-5					
	ing Protocol:				ance Manual- N	mining of winnerals, Annexure-5					
	arks & Observation:	-	Clear colorles		quirements	Test Method					
.No	Test Parameters	Unit	Results	Desirable Limits	Access to the second second	Test Method					
1.	pH value		7.34	6.5 to 8.5	No relaxation	IS: 3025(P-11) 1983 R-2002					
2.	Colour	***	<5	Max 5	Max 15	IS: 3025(P-4)1983 R-2002					
3.	Turbidity	NTU		Max 1	Max 5	IS: 3025 (P-10) 1984 R-2002 (DL= 2 NTU)					
4.	Odour	**	Agreeabl	e Agreeable	Agreeable	IS: 3025(P-5)1983 R-2002					
5.	Total Hardness (as CaCO3)	mg/l	980.5	Max 200	Max 600	IS: 3025(P-521) 1983R2002 Ad. 1(MDL= 0.1 mg/l)					
6.	Iron (as Fe)	mg/l	0.61	Max 0.3	No Relaxation	IS: 3025(P-53): 2003 (DL=0.1 mg/l)					
.7.	Chlorides (as CI)	mg/l	580.0	Max 250	Max 1000	IS: 3025 (P-32): 1988R 1999 (DL=1 mg/l)					
8.	Sulphate (as SO4)	mg/l	243.8	Max 200	Max 400	IS3025 (P-24)1986R 1998 (DL= 1 mg/l)					
9.	Dissolved solids	mg/l	3640	Max 500	Max 2000	IS: 3025 (P-16): 1984R2002 Ad.1 (DL=5 mg/l)					
10.	Electrical Conductivity	μmhos/c	m 6900			IS 3025 (P-14) 1984, R2002					
11.	Alkalinity	mg/l	480	Max 200	Max 600	APHA 21" ED 2005-2320 B (DL=1 mg/l)					
12.	Nitrate (as NO3)	mg/l	12.96	Max 45	No Relaxation	1S: 3025 (P-34)1988 R 1999 (DL= 0.1 mg/l)					
13.	Fluoride (as F)	mg/l	0.35	Max 1.0	Max 1.5	APHA 21 <sup>87</sup> ED, 2005-4500D (DL=0.01 mg/l)					
14.	Cyanide (as CN)	mg/l	BDL	Max 0.05	No relaxation	USEPA-335.4 Calorimetric Method APHA-22 <sup>rd</sup> Ed 2012-4500E					

EL-	14-15/33		dt :21	8/03/14 L	ab No.	EC1403	BW21	Page-2/2
S.No	Test Parameters	Units	Results	Requirements		ts	Test Method	
				Desirable Limits		sence of ite Source		
15.	Copper (as Cu)	mg/I	BDL	Max 0.05	М	ax 1.5	IS: 3025 (Part 42): (DL= 0.02 mg/l) (AAS: Chelation	8 00 -
16.	Zinc (as Zn)	mg/l	BDL	Max 5	М	ax 15	IS 3025 (P-49) 19 (DL= 0.02 mg/l) (AAS: Chelation	
17.	Lead (as Pb)	mg/l	BDL	Max 0.01	No relaxation		IS3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)	
18.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL	Max 0.001	Max	0.002	IS3025 (P-43) 1992 R 1998 Ac (DL=0.0001 mg/l)	
19.	Cadmium (as Cd).	mg/l	BDI.	Max 0.003	No rel	axation	IS: 3025(P-41) 19 (DL=0.008 mg/l) (AAS: Chelation I	92 R 1998
20.	Total Arsenic (as As)	mg/l	BDL	Max 0.01	Ma	x 0.05	IS: 3025(Part 37): (DL=0.02 mg/l) (AAS: Chelation b	1988 R 1999
21,	Chromium (as Cr)	mg/l	BDL	Max 0.05	No relaxation		APHA 21" ED. 20 (DL=0.02 mg/l) (AAS: Chelation b	05-3111 B
22.	Coliforms	MPN/100ml	Absent	Absent		-	IS: 1622-1981 R 2 (DL= 2 MPN/100r	003
23.	E.coli/100ml	198	Absent	Absent		**	IS: 1622-1981 R 2	1119







Environment Due-diligence, Monitoring and Analysis Services ISO-14001:2004 OHSAS-18001:2007 CIN: U74140PB2011PTC034739

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#### **TEST REPORT**

EL-I	4-15/34			8/03/14 1		C1403BW22	Page-1/2
Custo	omeri	Or Te	Indra jeet S dinary Sand ( hsil Indrap) o Udaipur Mi	Bajri) Area <b>dv</b> Dist. –	a – 1695.0 <b>6</b> I - Jhalawar (R	Hect. (aaj.)	
Type	of Sample:		ater				
	Order No. & Date:						
27.7577	e of Collection of San	mles SA	G DATA P	ROVIDED BY CUST	OMER		
	ing, Markings, Seal:		astic bottle Ma				
	ntity:		litre	ansa sina	-		
- 7 Table 10	and the same and t			3 27 01 1	4 28 01 14	24.02.14, 25.02.14.	
_	s of Sampling:		03.14	2, 41,01.1	4, 20,01,171	27.02.17, 80.00.17.	
	of Reporting:			EIA Code	ance Marie	l- Mining of Minerals:	Annexure-5
	ng Protocol:				ance wanta	i- ismining of telliferates	1 Trille Stille
	arks & Observation:	-	ear colorless l		quirements	Test Method	
i.No	Test Parameters	Units	Results	Desirable Limits	ALCOHOL: STATE OF THE PARTY OF	of	
1.	pH value	**	7.36	6.5 to 8.5	No relaxatio	on 15: 3025(P-11) 1983	R-2002
2	Colour		<5	Max 5	Max 15	IS: 3025(P-4)1983 F	
3.	Turbidity	NTU	<5	Max I	Max 5	IS: 3025 (P- 10) 198 (DL= 2 NTU)	14 R-2002
4.	Odour		Agreeable	Agreeable	Agreeable	IS: 3025(P-5)1983 F	
5.	Total Hardness (as CaCO3)	mg/l	1036.8	Max 200	Max 600	IS: 3025(P-521) 198 ((MDL= 0.1 mg/l)	
6.	Iron (as Fe)	mg/l	0.28	Max 0.3	No Relaxatio		3 (DL=0.1 mg/l)
7.	Chlorides (as Cl)	mg/l	287,1	Max 250	Max 1000	(DL=1 mg/I)	
8.	Sulphate (as SO4)	mg/l	241.3	Max 200	Max 400	(DL=1 mg/l)	
9.	Dissolved solids	mg/l	1760	Max 500	Max 2000	(DL=5 mg/l)	
10.	Electrical Conductivity	µmhos/cn	n 3100			IS 3025 (P-14) 1984	4, R2002
11.	Alkalinity	mg/l	222	Max 200	Max 600	(DL=1 mg/l)	
12.	Nitrate (as NO3)	mg/l	13.67	Max 45	No Relaxat	(DL= 0.1 mg/l)	
13.	Fluoride (as F)	mg/l	0.23	Max. 1.0	Max 1.5	(DL=0.01 mg/l)	
1400				Max 0.05	No relaxation	on USEPA-335.4 Calorig	The disk Chaire

EL-	14-15/34		dt:	28/03/14 La	ab No. EC140	3BW22 Page-2/2
S.No		Units	Results		quirements	Test Method
				Desirable Limits	In Absence of Alternate Source	
15.	Copper (as Cu)	mg/l	0.04	Max 0.05	Max 1.5	IS: 3025 (Part 42): 1992R 1998 (DL= 0.02 mg/l) (AAS: Chelation by Extraction)
16.	Zinc (as Zn)	mg/l	0.4	Max 5	Max 15	IS 3025 (P-49) 1994 R1999 Ad.1 (DL= 0.02 mg/l) (AAS: Chelation by Extraction)
17.	Lead (as Pb)	mg/l	BDL	Max 0.01	No relaxation	IS3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)
18.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BDL.	Max 0.001	Max 0.002	IS3025 (P-43) 1992 R 1998 Ad. ( (DL=0.0001 mg/l)
19.	Cadmium (as Cd).	mg/I	BDL	Max 0.003	No relaxation	IS: 3025(P-41) 1992 R 1998 (DL=0.008 mg/l) (AAS: Chelation by Extraction)
20.	Total Arsenic (as As)	mg/l	BDL	Max 0.01	Max 0.05	IS: 3025(Part 37): 1988 R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)
21.	Chromium (as Cr)	mg/l	BDL	Max 0.05	No relaxation	APHA 21" ED. 2005-3111 B (DL=0.02 mg/l) (AAS: Chelation by Extraction)
22.	Coliforms	MPN/100ml	Absent	Absent	-	IS: 1622-1981 R 2003 (DL= 2 MPN/100ml)
23.	E.coli/100ml	346	Absent	Absent		IS: 1622-1981 R 2003







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#### **TEST REPORT**

EL-1	4-15/36			28/03/19 1	100,000	C1403BW24 Page-1/				
Customer:			Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalasardo Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.							
Type of Sample:			Water							
Work Order No. & Date:			MOU							
Mode of Collection of Sample:			SAMPLE/ MONITORING DATA PROVIDED BY CUSTOMER							
Packing, Markings, Seal:			Plastic bottle Marked 'Raipur'							
Quantity:			3 litre							
Dates of Sampling:			23.12.13, 24.12.13, 27.01.14, 28.01.14, 24.02.14, 25.02.14.							
Date of Reporting:			18 03 14							
Testing Protocol:			1S: 10500-2012/ EIA Guidance Manual- Mining of Minerals: Annexure-5							
	arks & Observation:		lear colorless							
Kem.	Test Parameters	Units		Requirements		Test Method				
5.750	Test Parameters	Circs		Desirable Limits	The state of the s	irce				
1.	oH value		7.27	6.5 to 8.5	No relaxation					
2	Colour		<5	Max 5	Max 15	IS: 3025(P-4)1983 R-2002				
3.	Turbidity	NTU	<5	Max I	Max 5	15: 3025 (P- 10) 1984 R-2002 (DL= 2 NTU)				
4.	Odour		Agreeable	Agreeable	Agreeable	IS: 3025(P-5)1983 R-2002				
5.	Total Hardness (as CaCO3)	mg/l	514.6	Max 200	Max 600	1(MDL= 0.1 mg/l)				
6.	Iron (as Fe)	mg/I	BDL	Max 0.3	No Relaxati	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
7.	Chlorides (as Cl)	mg/l		Max 250	Max 1000	(DL=1 mg/l)				
8.	Sulphate (as SO4)	mg/l	9.9	Max 200	Max 40	(DL = 1 mg/l)				
9,	Dissolved solids	mg/l	550	Max 500	Max 200	(DL=5 mg/l)				
10.	Electrical Conductivity	umbos/s	m 860			IS 3025 (P-14) 1984, R2002				
11.	Alkalinity	mg/l	344	Max 200	Max 600	(DL=1 mg/l)				
12,	Nitrate (as NO3)	mg/	25.92	Max 45	No Relaxa	(DL= 0.1 mg/l)				
13.	Fluoride (as F)	mg/	0.28	Max 1.0	Max 1.5	v10t =0.01 mg/l)				
	Cvanide (as CN)	(as CN) mg/l		Max. 0.05	No relaxati	on USEPA-335.4 Calculation are APHA-22 and				

EL-	14-15/36	-	dt:2	8/03/14 L	ab No. ECI-	403BW24	Page-2/2	
S.No	Test Parameters	Units	Results	Appropriate the second	uirements	Test Method		
				Desirable Limits	In Absence of Alternate Sour			
15.	Copper (as Cu)	mg/l	BDL	Max 0.05	Max 1.5	(DL=0.02 mg/l)	IS: 3025 (Part 42): 1992R 1998 (DL= 0.02 mg/l) (AAS: Chelation by Extraction)	
16.	Zinc (as Zn)	mg/l	BDL.	Max 5	Max 15	(DL= 0.02 mg/l)	1S 3025 (P-49) 1994 R1999 Ad.1 (DL= 0.02 mg/l) (AAS: Chelation by Extraction)	
17.	Lead (as Pb)	mg/l	BDL	Max 0,01	No relaxation	IS3025 (P-47) 1992 (DL=0.02 mg/l)	IS3025 (P-47) 1992R 1999	
18.	Phenolic compounds mg/l (as C <sub>s</sub> H <sub>3</sub> OH)		BDL.	Max 0.001	Max 0.002 1S3025 (P-43) 1992 R 199 (DL=0.0001 mg/l)		R 1998 Ad. 2	
19.	Cadmium (as Cd). mg/l		BDL	Max 0.003	No relaxation IS: 3025(P-41) 1992 R 19 (DL=0.008 mg/l) (AAS: Chelation by Extra			
20.	Total Arsenic (as As) mg/l		BDL.	Max 0.01	Max 0.05	1S: 3025(Part 37): 1 (DL=0.02 mg/l) (AAS: Chelation by	988 R 1999	
21,	Chromium (as Cr) mg/l		BDL	Max 0.05 No relaxation		APHA 21" ED. 200 (DL=0.02 mg/l)	APHA 21" ED. 2005-3111 B	
22.	Coliforms MPN/100ml		Absent	Absent		IS: 1622-1981 R 20	IS: 1622-1981 R 2003 (DL= 2 MPN/100ml)	
23.	E.coli/100ml		Absent	Absent	~			





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#### **TEST REPORT**

	14-15/37			dt: 4	8/03/14	Lab No. EC1	403BW25	Page-1/			
Cus	tomer:		Ord	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.							
Typ	e of Sample:		Water								
	k Order No. & Date:		MOU								
	le of Collection of Sa		SAMPLE/ MONITORING DATA PROVIDED BY CUSTOMER								
	ing, Markings, Seal:		Plac	stic bottle M	arkad 'lha	WG DATA FRO	VIDED BY CUSTOMER	<u> </u>			
	ntity:		3 lit		arked Jila	нарасан					
	s of Sampling:	_			12 27 01	14 20 01 14 24	02 14 25 02 14				
	of Reporting:		18.0		13, 27,01,	14, 28.01.14, 24.	02.14, 25.02.14.				
	ing Protocol:	_	Challenger Co.	711777	(FIA: CO.		0.11	DON'T SE			
	arks & Observation:		15:	10300-2012	EIA Guic	iance Manual- N	lining of Minerals: Annex	ure-5			
.No	Test Parameters	Un		Results			14-33-3				
	rest rarameters	Ci	iits	Results	Desirable Limits	quirements In Absence of Alternate Source	Test Method				
1.	pH value	-		6.64	6.5 to 8.5	No relaxation	IS: 3025(P-11) 1983 R-2002				
2.	Colour			<5	Max 5	Max 15	IS: 3025(P-4)1983 R-2002				
3.	Turbidity	N)	U	<5	Max I	Max 5	IS: 3025 (P-10) 1984 R-2002 (DL=2 NTU)	S			
4,	Odour			Agrecable	Agreeable	Agrecable	IS: 3025(P-5)1983 R-2002				
5.	Total Hardness (as CaCO3)	mg	2/1	243.2	Max 200	Max 600	15: 3025(P-521) 1983R2002 / 1(MDL= 0.1 mg/l)	Ad.			
6.	Iron (as Fe)	m		0.56	Max 0.3	No Relaxation	IS: 3025(P-53): 2003 (DL=0.	mg/l)			
7.	Chlorides (as CI)	mi	1/1	71.2	Max 250	Max 1000	1S: 3025 (P-32): 1988R 1999 (DL=1 mg/l)				
8.	Sulphate (as SO4)	mg		15.7	Max 200	Max 400	IS3025 (P-24)1986R 1998. (DL= 1 mg/l)				
9.	Dissolved solids	mg	p/I	330	Max 500	Max 2000	IS: 3025 (P-16): 1984R2002 / (DL=5 mg/l)	\d.1			
10.	Electrical Conductivity	μmhos	77.7	510			IS 3025 (P-14) 1984, R2002				
П.	Alkalinity	mg	Л	222	Max 200	Max 600	APHA 21 <sup>st</sup> ED 2005-2320 B (DL=1 mg/l)				
12.	Nitrate (as NO3)	mg	/1	1.71	Max 45	No Relaxation	IS: 3025 (P-34)1988 R 1999 (DL=0.1 mg/l)				
13.	Fluoride (as F)	mg	Λ	0.26	Max 1.0	Max 1.5	APHA 218T ED. 2005-4500D (DL=0.01 mg/l)				
14.	Cyanide (as CN)										

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071 TeleFax: 0172-46 6225 M: 9781363109 consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org

EL-	14-15/37		out: &	8/03/14 L	ab No.	EC1403	BW25	Page-2/2
S.No	Test Parameters	Units	Results		quirement	5	Test Method	
				Desirable Limits		ence of te Source		
15.	Copper (as Cu)	mg/I	BDL	Max 0.05	Ма	x 1.5	IS: 3025 (Part 42): (DL= 0.02 mg/l) (AAS: Chelation	1 69 191 19
16.	Zinc (as Zn)	mg/l	BDL	Max 5	Ma	ix 15	IS 3025 (P-49) 15 (DL= 0.02 mg/l) (AAS: Chelation	
17.	Lead (as Pb)	mg/I	BDL	Max 0.01	No rela	axation	IS3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction	
18.	Phenolic compounds (as C <sub>6</sub> H <sub>2</sub> OH)	mg/I	BDL	Max 0.001	Max	0.002	IS3025 (P-43) 1992 R 1998 Ac (DL=0.0001 mg/l)	
19.	Cadmium (as Cd).	mg/l	BDL	Max 0.003	No rela	ixation	IS: 3025(P-41) 19 (DL=0.008 mg/l) (AAS: Chelation l	
20.	Total Arsenic (as As)	mg/l	BDL	Max 0.01	Max	0.05	IS: 3025(Part 37): (DL=0.02 mg/l) (AAS: Chelation l	1988 R 1999
21.	Chromium (as Cr)	mg/l	BDL	Max 0.05	No rela	ixation		
22.	Coliforms	MPN/100ml	2	Absent			IS: 1622-1981 R 2 (DL= 2 MPN/100	003
23.	E.coli/100ml		Absent	Absent			IS: 1622-1981 R 2	003





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#### **TEST REPORT**

EL-	14-15/38		dia	8/03/14	Lab No. EC1	403BW26	Page-1/2				
	omer:	T		Bajri) Are Dist	a – 1695,0 <b>6</b> Hec - Jhalawar (Raj.)						
Type	of Sample:	-	Water								
	k Order No. & Date:		MOU								
	e of Collection of Sar		10000								
	ing, Markings, Seal:		Plastic bottle Marked 'Jhalawar'								
	TTARIU-		litre	arked mar	awai						
	ntity:		190700	13 22 01 1	4 20 01 14 24	00.14.06.00.14					
	s of Sampling:			13, 27.01.1	4, 28.01.14, 24.	02.14, 25.02.14.					
	of Reporting:		8.03.14								
	ing Protocol:				ance Manual- N	lining of Minerals: A	Innexure-5				
	arks & Observation:		lear colorless l								
S.No	Test Parameters	Units	Results		quirements	Test Method					
	No Living			Desirable Limits	In Absence of Alternate Source		600074.00				
1.	pH value	**	7.41	6.5 to 8.5	No relaxation	1S: 3025(P-11) 1983 R					
2.	Colour	- A	<5	Max 5	Max 15	15: 3025(P-4)1983 R-2					
3.	Turbidity	NTU	<5	Max I	Max 5	1S: 3025 (P- 10) 1984 (DL= 2 NTU)	R-2002				
4.	Odour		Agreeable	Agreeable	Agreeable	IS: 3025(P-5)1983 R-2					
5.	Total Hardness (as CaCO3)	mg/l	471.0	Max 200	Max 600	IS: 3025(P-521) 1983F 1(MDL= 0.1 mg/l)	k2002 Ad:				
6.	fron (as Fe)	mg/l	BDL	Max 0.3	No Relaxation	IS: 3025(P-53): 2003 (					
7.	Chlorides (as CI)	mg/l	153.9	Max 250	Max 1000	IS: 3025 (P-32): 1988F (DL=1 mg/l)					
8.	Sulphate (as SO4)	mg/l	12.8	Max 200	Max 400	153025 (P-24)1986R 199 (DL= 1 mg/l)	8				
9.	Dissolved solids	mg/l	0101	Max 500	Max 2000	IS: 3025 (P-16): 19848 (DL=5 mg/l)	2002 Ad.1				
10.	Electrical Conductivity	µmhos/c	m 2830	**		IS 3025 (P-14) 1984, R					
11.	Alkalinity	mg/l	292	Max 200	Max 600	APHA 21" ED 2005-2 (DL=1 mg/l)					
12	Nitrate (as NO3)	mg/l	3,55	Max 45	No Relaxation	IS: 3025 (P-34)1988 R (DL= 0.1 mg/l)					
13,	Fluoride (as F)	mg/l	0.31	Max 1.0	Max 1.5	APHA 21 <sup>ST</sup> ED. 2005- (DL=0.01 mg/l)	4500D				
14.	Cyanide (as CN)	mg/l	BDL	Max 0.05	No relaxation	USEPA-335.4 Calorimetr APHA-22 <sup>nd</sup> Ed 2012-4500					

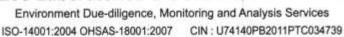


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EL-1	4-15/,32		dt :26	3/03/14 La	ab No.	EC1403	BW26	Page-2/2
S.No	Test Parameters	Units	Results	Rec	uiremen	ts	Test Method	
				Desirable Limits		sence of te Source		LOCAL PLANTS
15.	Copper (as Cu)	mg/l	BDL	Max 0.05	Mi	ax 1.5	IS: 3025 (Part 42): (DL= 0.02 mg/l) (AAS: Chelation	
16.	Zinc (as Zn)	mg/l	0.4	Max 5	М	ax 15	IS 3025 (P-49) 1994 R1999 (DL= 0.02 mg/l) (AAS: Chelation by Extracti	
17.	Lead (as Pb)	mg/l	BDL	Max 0.01	No relaxation		IS3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)	
18.	Phenolic compounds (as C <sub>a</sub> H <sub>1</sub> OH)	mg/I	BDL	Max 0.001	Max	0.002	IS3025 (P-43) 1992 R 1998 Ad. (DL=0.0001 mg/l)	
19.	Cadmium (as Cd).	mg/l	BDL	Max 0.003	No rel	axation	IS: 3025(P-41) 15 (DL=0.008 mg/l) (AAS: Chelation	
20.	Total Arsenic (as As)	mg/l	BDL.	Max 0.01	Ma	x 0.05	IS: 3025(Part 37) (DL=0.02 mg/l) (AAS: Chelation	
21.	Chromium (as Cr)	mg/l	BDL	Max 0.05	No relaxation		APHA 21 <sup>st</sup> ED. 2st (DL=0.02 mg/l) (AAS: Chelation	
22.	Coliforms	MPN/100ml	Absent	Absent		**	IS: 1622-1981 R (DL= 2 MPN/100	(ml)
23.	E.coli/100ml		Absent	Absent			IS: 1622-1981 R	2003









#### **TEST REPORT**

EL-	14-15/44			dt: 2	8/03/14	Lab No. EC	1403BW32 Page-1/				
Cust	omer:		Ordi Teh	Indra jeet S inary Sand (	ingh Jhal Bajri) Are Ad Dist.	a a – 1695.06 He - Jhalawar (Raj.					
Type	e of Sample:		Water								
	k Order No. & Date:		MOU								
	e of Collection of Sar	nelar	-	security between Automobile to the bearing	NITODIN	C DATA PRO	VIDED BY CUSTOMER				
		ripie.	SAMPLE/ MONITORING DATA PROVIDED BY CUSTOMER  Plastic bottle Marked 'Moru Kheri'								
	ing, Markings, Seal:				arked Mor	ti Kneri					
	ntity:		3 lit								
	s of Sampling:		Carry St. Marrier		13, 27,01.1	4, 28.01.14, 24	.02.14, 25.02.14.				
	of Reporting:		18.03								
Test	ing Protocol:		1S: 1	0500-2012/	EIA Guid	ance Manual- N	dining of Minerals: Annexure-5				
Rem	arks & Observation:		Clea	r colorless l	iquid		-111				
S.No	Test Parameters	Un		Results		quirements	Test Method				
					Desirable Limits	In Absence of Alternate Source					
1.	pH value			7.95	6.5 to 8.5	No relaxation	IS: 3025(P-11) 1983 R-2002				
2.	Colour	-		<5	Max 5	Mpx 15	IS: 3025(P-4)1983 R-2002				
3.	Turbidity	NI	U	-3	Max I	Max 5	IS: 3025 (P-10) 1984 R-2002 (DL= 2 NTU)				
4.	Odour	2		Agreeable	Agrecable	Agrecable	IS: 3025(P-5)1983 R-2002				
5.	Total Hardness (as CaCO3)	mg	1/2	412.2	Max 200	Max 600	IS: 3025(P-521) 1983R2002 Ad. I(MDL= 0.1 mg/l)				
6.	Iron (as Fe)	ms	1/1.	0.21	Max 0.3	No Relaxation	IS: 3025(P-53): 2003 (DL=0.1 mg/l)				
7.	Chlorides (as CI)	ms	y/I	14.9	Max 250	Max 1000	IS: 3025 (P-32): 1988R 1999 (DL=1 mg/l)				
8.	Sulphate (as SO4)	mg	2/1	40.7	Max 200	Max 400	IS3025 (P-24)1986R 1998 (DL-1 mg/l)				
9;	Dissolved solids	mį	1/1	660	Max 500	Max 2000	IS: 3025 (P-16): 1984R2002 Ad.1 (DL=5 mg/l)				
10.	Electrical Conductivity	umhos	v/em	1140		40	1S 3025 (P-14) 1984, R2002				
11.	Alkalinity	ms	1/1	300	Max 200	Max 600	APHA 21" ED 2005-2320 B (DL=1 mg/l)				
12	Nitrate (as NO3)	mj	1/1	24,29	Max 45	No Relaxation	IS: 3025 (P-34)1988 R 1999 (DE= 0.1 mg/l)				
13.	Fluoride (as F)	mg	2/I	0.33	Max 1.0	Max 1.5	APHA 21 <sup>51</sup> ED. 2005-4500D (DL=0.01 mg/l)				
14.	Cyanide (as CN)	mg	z/I	BDL	Max 0.05	No relaxation	USEPA-335.4 Calorimetric Method APHA-22"Ed 2012-45866				

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EL-	14-15/44		dt	28/03/14 L	ab No. EC14	03BW32 Page-2/
S.No	Test Parameters	Units	Results		quirements	Test Method
				Desirable Limits	In Absence of Alternate Source	e
15.	Copper (as Cu)	mg/l	BDL	Max 0.05	Max 1.5	IS: 3025 (Part 42): 1992R 1998 (DL= 0.02 mg/l) (AAS: Chelation by Extraction)
16.	Zinc (as Zn)	mg/l	BDL	Max 5	Max 15	1S 3025 (P-49) 1994 R1999 Ad. (DL= 0.02 mg/l) (AAS: Chelation by Extraction)
17.	Lead (as Pb)	mg/l	BDL.	Max 0.01	No relaxation	1S3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)
18.	Phenolic compounds (as C <sub>n</sub> H <sub>2</sub> OH)	mg/I	BDL	Max 0.001	Max 0.002	IS3025 (P-43) 1992 R 1998 Ad. (DL=0.0001 mg/l)
19.	Cadmium (as Cd).	mg/I	BDL	Max 0.003	No relaxation	IS: 3025(P-41) 1992 R 1998 (DL=0.008 mg/l) (AAS: Chelation by Extraction)
20.	Total Arsenic (as As)	mg/l	BDL	Max 0.01	Max 0.05	IS: 3025(Part 37): 1988 R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction)
21.	Chromium (as Cr)	mg/l	BDL.	Max 0.05	No relaxation	APHA 21" ED. 2005-3111 B (DL=0.02 mg/l) (AAS: Chelation by Extraction)
22.	Coliforms	MPN/100ml	2	Absent	-	IS: 1622-1981 R 2003 (DI = 2 MPN/100ml)
23.	E.coli/190ml	***	Absent	Absent	-	IS: 1622-1981 R 2003//5





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#### **TEST REPORT**

EL-	14-15/4/		The same		8/03/14		EC1403BW29	Page-1/2			
Cust	omer		Ordi Tehs	Indra jeet S nary Sand ( sil <b>J. koog</b> Udaipur Mi	Bajri) Are. Dist	a – 1695.0 - Jhalawar	5 Hect. (Raj.)				
Type	of Sample:		Water								
	k Order No. & Date:		MO	U							
Mod	e of Collection of Sar	mole:	SAMPLE/ MONITORING DATA PROVIDED BY CUSTOMER								
	ing, Markings, Seal:			tic bottle M	Committee of the Commit	A STATE OF THE RESIDENCE					
	ntity:		3 litr			111111111111111111111111111111111111111					
	s of Sampling:			and the boundary of the country of the state	13 27 01 1	4 28 01 1	4, 24.02.14, 25.0	12.14			
	of Reporting:		18.03		194 = 7 (921)	1, 40,0111	7, 47.04.17, 40.10	741.1 11			
ما شهرما دنست	ing Protocol:				E1A Civid	ance Men	al- Mining of N	Ainerals: Annexure-5			
1.	arks & Observation:			r colorless l		mice 1930111	m mining or n	timer and commentation a			
.No	Test Parameters	Un		Results		quirements	Test Meth	nod			
1,110	Test Farameters		113	reauts		In Absence Alternate S	e of				
1.	pH value	-		8.85	6.5 to 8.5	No relaxa	ion IS: 3025(F	-11) 1983 R-2002			
2.	Colour	-		<5	Max 5	Max 1:		-4)1983 R-2002			
3.	Turbidity	NT	U	<5	Max I	Max :	S IS: 3025 ( (DL= 2 N	P- 10) 1984 R-2002 FU)			
4.	Odour	( a	4	Agrecable	Agreeable			-5)1983 R-2002			
5.	Total Hardness (as CaCO3)	m	g/I	550.4	Max 200	Max 60	1(MDL=0				
6.	Iron (as Fe)	mj	s/1	BDL	Max 0.3	No Relaxa		~53): 2003 (DL=0.1 mg/l)			
7.	Chlorides (as Cl)	mi	p/I	80.4	Max 250	Max 100	(DL=1 mg				
8.	Sulphate (as SO4)	mg	gi.	18.6	Max 200	Max 4	(DL=1 mg	(4)1986R 1998 (1)			
9.	Dissolved solids	ini	1/1	1100	Max 500	Max 20	00 IS: 3025 (I (DL=5 mg	P-16): 1984R2002 Ad.1 /l)			
10.	Electrical Conductivity	umhos	s/cm	1710	++			-14) 1984, R2002			
11.	Alkalinity	mg	p/l	330	Max 200	Max 60	(DL=1 mg	ED 2005-2320 B /l)			
12.	Nitrate (as NO3)	m	2/1	16.33	Max 45	No Relax	(DL=0.1	P-34)1988 R 1999 mg/l)			
13.	Fluoride (as F)	mg	2/1	0.23	Max 1.0	Max I	(DL=0.01				
	Cyanide (as CN)		2/1	BDL	Max 0.05	No relaxa	ion USEPA-33	5.4 Calorimetric Method			

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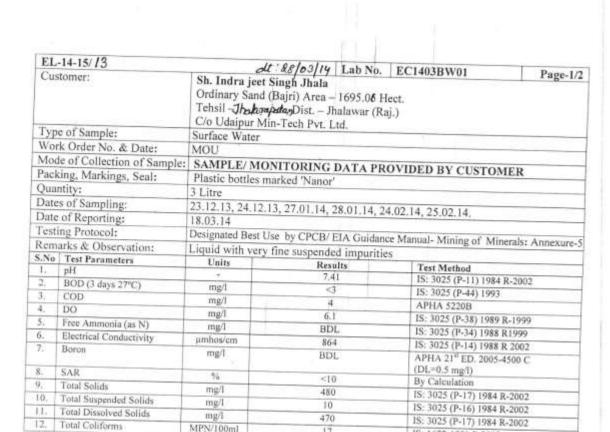
EL-1	14-15/4/	X = 1	dt: 25/	03/14 L	ab No.	EC1403	BW29	Page-2/2
S.No	Test Parameters	Units	Results		quiremen	ts	Test Method	
				Desirable Limits	40.750	sence of ite Source		21/2/2009
15.	Copper (as Cu)	mg/I	BDL	Max 0.05	M	ax 1,5	IS: 3025 (Part 42): (DL= 0.02 mg/l) (AAS: Chelation	
16.	Zinc (as Zn)	mg/l	BDL	Max 5	М	ax 15	IS 3025 (P-49) 1994 R1999 A (DL= 0.02 mg/l) (AAS: Chelation by Extraction	
17.	Lead (as Pb)	mg/I	BDL	Max 0.01	No rei	laxation	IS3025 (P-47) 1992R 1999 (DL=0.02 mg/l) (AAS: Chelation by Extraction	
18.	Phenolic compounds (as C <sub>n</sub> H <sub>1</sub> OH)	mg/l	BDL	Max 0,001	Max	x 0.002	IS3025 (P-43) 1992 R 1998 Ad (DL=0.0001 mg/l)	
19.	Cadmium (as Cd).	mg/l	BDL	Max 0.003	No rel	axation	1S: 3025(P-41) 15 (DL=0.008 mg/l) (AAS: Chelation	
20.	Total Arsenic (as As)	mg/l	BDL.	Max 0.01	Ма	x 0.05	IS: 3025(Part 37) (DL=0.02 mg/l) (AAS: Chelation	
21.	Chromium (as Cr)	mgA	BDL	Max 0.05	No relaxation		APHA 21" ED. 2 (DL=0.02 mg/l) (AAS: Chelation	
22.	Coliforms	MPN/100ml	Absent	Absent		22	1S: 1622-1981 R (DL=2 MPN/100	
23.	E.coli/100ml		Absent	Absent		н	IS: 1622-1981 R	



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IS: 1622-1981 R 2003

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BDL= Below Detection Limit; DL= Detection Limit





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## **TEST REPORT**

EL-	14-15/ [6	dt!	28/03/14	Lab No.	EC1403BW04	Page-1/2			
Cus	tomer;	Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jheleman Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.							
Тур	e of Sample:	Surface Water							
Wor	k Order No. & Date:	MOU							
Mod	le of Collection of Sample:	SAMPLE/ MON	ITORING I	DATA PR	OVIDED BY CUSTON	MER			
Pack	ing, Markings, Seal:	Plastic bottles ma			0.1525 51 005101				
	ntity:	3 Litre	ALTERNATION OF STREET						
	s of Sampling:	23.12.13, 24.12.13	. 27.01.14. 2	8 01.14.2	4 02 14 25 02 14				
	of Reporting:	18.03.14							
	ing Protocol:	Designated Best Us	e by CPCB/ F	IA Guidan	ce Manual- Mining of Min	nerals: Anneyure.			
	arks & Observation:	Liquid with very f				nerman remierance			
S.No	Test Parameters	Units	Resu		Test Method				
1.	pH		7.8	0	IS: 3025 (P-11) 1984	R-2002			
2.	BOD (3 days 27°C)	mg/l	<3		IS: 3025 (P-44) 1993				
3.	COD	mg/l	4		APHA 5220B				
4.	DO	mg/l	5.8		IS: 3025 (P-38) 1989	R-1999			
5.	Free Ammonia (as N)	mg/l	0.23	8	IS: 3025 (P-34) 1988	R1999			
6.	Electrical Conductivity	μmhos/cm	5.8	N.	IS: 3025 (P-14) 1988	R 2002			
7.	Boron	mg/l	BDI		APHA 21" ED. 2005 (DL=0.5 mg/l)	-4500 C			
8.	SAR	%	<10	)	By Calculation				
9.	Total Solids	mg/l	566	ř.	IS: 3025 (P-17) 1984	R-2002			
10.	Total Suspended Solids	mg/l	16	5	IS: 3025 (P-16) 1984				
11.	Total Dissolved Solids	mg/l	550		IS: 3025 (P-17) 1984	R-2002			
12.	Total Coliforms	MPN/100mI	12		IS: 1622-1981 R 200	A CANADA CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CO			

BDL= Below Detection Limit; DL= Detection Limit



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#### **TEST REPORT**

EL-1	14-15/15	dt:	28/03/14	Lab No.	EC1403BW03	Page-1/2				
Custo	omer:	Sh. Indra jeet Si Ordinary Sand (B Tehsil – <i>Thalanap</i> C/o Udaipur Min-	ajri) Area – Dist. – J	nalawar (Ra						
Type	of Sample:	Surface Water								
Work	Order No. & Date:	MOU								
Mode	e of Collection of Sample:	SAMPLE/ MON	ITORING	DATA PR	OVIDED BY CUSTO	MER				
	ing, Markings, Seal:	Plastic bottles ma				11/22				
Quan	10.51	3 Litre								
and white the	s of Sampling:	23.12.13, 24.12.13	3, 27,01,14,	28.01.14.2	4.02.14, 25.02.14.					
	of Reporting:	18.03.14								
	ng Protocol:	Designated Best Us	e by CPCB/	EIA Guidar	ce Manual- Mining of Mi	inerals: Annexure-				
	arks & Observation:	Liquid with very f								
S.No	Test Parameters	Units		ults	Test Method					
1.	pH	-	7.	52	IS: 3025 (P-11) 198	4 R-2002				
2.	BOD (3 days 27°C)	mg/l		5	IS: 3025 (P-44) 199	3				
3.	COD	mg/l		3	APHA 5220B	esile conse				
4.	DO	mg/l	5	.6	IS: 3025 (P-38) 198	9 R-1999				
5.	Free Ammonia (as N)	mg/l	0.	27	IS: 3025 (P-34) 198	8 R1999				
6.	Electrical Conductivity	μmhos/cm	9	28	IS: 3025 (P-14) 198	8 R 2002				
7.	Boron	mg/l	BI	DL	APHA 21" ED, 200: (DL=0.5 mg/l)	5-4500 C				
8.	SAR	.94	<	10	By Calculation					
9.	Total Solids	mg/l	5	19	IS: 3025 (P-17) 198-	4 R-2002				
10.	Total Suspended Solids	mg/l	- 1	9	IS: 3025 (P-16) 198-	4 R-2002				
11.	Total Dissolved Solids	mg/l	5	10	IS: 3025 (P-17) 198	4 R-2002				
12.	Total Coliforms	MPN/100ml	- 2	3	IS: 1622-1981 R 200	Z CONC				

BDL= Below Detection Limit; DL= Detection Limit

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#### **TEST REPORT**

	14-15/ / 9	dt:	28/03/14 Lab No.	EC1403BW07	Page-1/2	
Cus	tomer:	Sh. Indra jeet S Ordinary Sand (E Tehsil Jhalama C/o Udaipur Min	Bajri) Area – 1695.06 H MoDist. – Jhalawar (Ra	ect.		
	e of Sample:	Surface Water	23,311,3,71,40,41			
Wor	k Order No. & Date:	MOU				
Mod	le of Collection of Samp	le: SAMPLE/MON	ITORING DATA PR	OVIDED BY CUSTOM	TED.	
Pack	ing, Markings, Seal:	Plastic bottles ma	rked 'Binda'	O TIDED BY COSTON	I.R.	
	ntity:	3 Litre	THE DITION			
Date	s of Sampling:	The state of the s	3, 27.01.14, 28.01.14, 2	102 14 25 02 14		
	of Reporting:	18.03.14	7, 27,01.14, 20,01,14, 2	4,02,14, 23,02,14,		
	ing Protocol:		e by CPCR/ EIA Guidan	ce Manual- Mining of Min		
	arks & Observation:	Liquid with very f	ine suspended impuritie	ee Mandar- Mining of Min	erais: Annexure-	
	Test Parameters	Units	Results	Test Method		
I.	pH		7.68	IS: 3025 (P-11) 1984	D. 2002	
2	BOD (3 days 27°C)	mg/I	<3	IS: 3025 (P-44) 1993		
3.	COD	mg/I	4			
4.	DO	mg/l	6.0	APHA 5220B	1000	
5.	Free Ammonia (as N)	mg/l	0.29	IS: 3025 (P-38) 1989 1		
6.	Electrical Conductivity	µmhos/cm	736	IS: 3025 (P-34) 1988 I		
7.	Boron	mg/l	BDL	IS: 3025 (P-14) 1988 I APHA 21" ED. 2005- (DL=0.5 mg/l)	1500 C	
8.	SAR	%	<10	By Calculation		
9.	Total Solids	mg/l	431	IS: 3025 (P-17) 1984 F	2.2002	
10.	Total Suspended Solids	mg/I	21	IS: 3025 (P-16) 1984 F		
11.	Total Dissolved Solids	mg/l	410			
	2. Total Coliforms MPN/100ml		22	IS: 3025 (P-17) 1984 R-2002 IS: 1622-1981 R 2003		



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## **TEST REPORT**

	-14-15/14	dt:	28/03/14	Lab No.	EC1403BW02	Page-1/2			
Cus	tomer:	Sh. Indra jeet S Ordinary Sand (I Tehsil – Jhalani)	ingh Jhala Bajri) Area - MaryDist. – J	halawar (Ra	ect	1 age-1/2			
Тур	e of Sample:	C/o Udaipur Min-Tech Pvt. Ltd. Surface Water							
Wor	k Order No. & Date:	MOU							
	le of Collection of Sample:	The state of the s	TODING	DATA DD	OVIDED BY CUSTON				
Pack	cing, Markings, Seal:	Plastic bottles ma	elead These	DATAPR	OVIDED BY CUSTON	MER			
	ntity;	3 Litre	akea Dhan	901					
	es of Sampling:	77 100 7 10, 40	2 27 01 14	20.01.11.2					
	of Reporting:	23,12,13, 24,12,13	5, 47.01.14,	28.01.14, 2	4.02.14, 25.02.14.				
	ing Protocol:	Designated Best Use by CPCB/ EIA Guidance Manual- Mining of Minerals: Annexure-							
	arks & Observation:	Limit dest Us	e by CPCB/	EIA Guidani	ce Manual- Mining of Mir	erals: Annexure-			
S.No	Test Parameters	Liquid with very f			es,				
1.	pH	Units		ults	Test Method				
2.	BOD (3 days 27°C)	-	7.4		IS: 3025 (P-11) 1984	R-2002			
3.	COD (5 days 27 C)	mg/I	- 5	5	IS: 3025 (P-44) 1993				
4.	DO	mg/I	8		APHA 5220B				
5.	47.0	mg/I	5.	5	IS: 3025 (P-38) 1989	R-1999			
	Free Ammonia (as N)	mg/l	0.3	5	IS: 3025 (P-34) 1988				
6.	Electrical Conductivity	μmhos/cm	90	8	IS: 3025 (P-14) 1988				
7.	Boron	mg/l	BD	L	APHA 21 <sup>st</sup> ED. 2005- (DL=0.5 mg/l)	4500 C			
8.	SAR	%	<1	0	By Calculation				
9.	Total Solids	mg/l	51			0.0000			
10,	Total Suspended Solids	mg/l	28		IS: 3025 (P-17) 1984 I				
11.	Total Dissolved Solids	mg/l	510		IS: 3025 (P-16) 1984 I	K-2002			
12	Total Coliforms	MPN/100ml	11		IS: 3025 (P-17) 1983	CORPO			
DL=1	Below Detection Limit; DL= Det	action Limit			15: 1622-1981 8 2001	101			

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E-207, Industrial Area, Phase VIII-8 (Sector-74), Mohali (Punjab) 160071 TeleFax: 0172-4816225 M: 9781303109 consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org





Environment Due-diligence, Monitoring and Analysis Services ISO-14001:2004 OHSAS-18001:2007 CIN: U74140PB2011PTC034739

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#### **TEST REPORT**

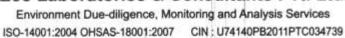
	-14-15/27	dt	28/03/14 Lab No.	EC1403BW15	Page-1/2
	stomer:	Sh. Indra jeet S Ordinary Sand (I	ingh Jhala Bajri) Area – 1695.06 l MgDist. – Jhalawar (R	Hect.	rage-1/2
Typ	e of Sample:	Surface Water			
Wo	rk Order No. & Date:	MOU			
Mod	de of Collection of Sample	: SAMPLE/MON	SITORING DATA PI	ROVIDED BY CUSTOME	·n
Pac	king, Markings, Seal:	The state of the s	irked 'Phujalpura'	KOVIDED BY CUSTOME	.R
	ntity:	3 Litre	akea i najaiputa		
Date	es of Sampling:	- 1011114	3, 27.01.14, 28.01.14, 2	24.02.14.25.02.14	
	of Reporting:	18.03.14	2, 27.01.14, 40.01.14,	24.02.14, 23.02.14.	
	ing Protocol:	3 300 0 0 0 0 1 1	e by CPCB/EIA Guida	nce Manual- Mining of Miner	to a second
	arks & Observation:	Liquid with yeary t	ine suspended impurit	ince winnual- withing of Miner	als: Annexure-5
		Erdara mini very i	ane suspended impurit	IUN.	
S.No	Test Parameters	Units			
1.	PH Parameters	Units	Results	Test Method	2002
	pH	-	Results 7.77	Test Method IS: 3025 (P-11) 1984 R-	2002
1.		mg/l	Results 7.77 <3	Test Method 1S: 3025 (P-11) 1984 R- 1S: 3025 (P-44) 1993	2002
2.	pH BOD (3 days 27°C)	mg/l mg/l	Results 7.77 <3 4	Test Method 18: 3025 (P-11) 1984 R- 18: 3025 (P-44) 1993 APHA 5220B	
1. 2. 3. 4.	pH BOD (3 days 27°C) COD DO	mg/l mg/l mg/l	Results 7,77 <3 4 6,1	Test Method 18: 3025 (P-11) 1984 R- 18: 3025 (P-44) 1993 APHA 5220B 18: 3025 (P-38) 1989 R-	1999
1. 2. 3.	pH BOD (3 days 27°C) COD DO Free Ammonia (as N)	mg/l mg/l mg/l mg/l	Results 7,77 <3 4 6,1 0,32	Test Method 1S: 3025 (P-11) 1984 R- 1S: 3025 (P-44) 1993 APHA 5220B 1S: 3025 (P-38) 1989 R- IS: 3025 (P-34) 1988 R1	1999 999
1. 2. 3. 4. 5. 6.	pH BOD (3 days 27°C) COD DO Free Ammonia (as N) Electrical Conductivity Boron	mg/l mg/l mg/l	Results 7,77 <3 4 6,1	Test Method  IS: 3025 (P-11) 1984 R-  IS: 3025 (P-44) 1993  APHA 5220B  IS: 3025 (P-38) 1989 R-  IS: 3025 (P-34) 1988 R1  IS: 3025 (P-14) 1988 R  APHA 21" ED. 2005-45	1999 999 2002
1. 2. 3. 4. 5.	pH BOD (3 days 27°C) COD DO Free Ammonia (as N) Electrical Conductivity	mg/l mg/l mg/l mg/l mg/l µmhos/cm	Results 7,77 <3 4 6,1 0,32 854	Test Method  IS: 3025 (P-11) 1984 R-  IS: 3025 (P-44) 1993  APHA 5220B  IS: 3025 (P-38) 1989 R-  IS: 3025 (P-34) 1988 R1  IS: 3025 (P-14) 1988 R  APHA 21" ED. 2005-45 (DL=0.5 mg/l)	1999 999 2002
1. 2. 3. 4. 5. 6. 7. 8.	pH BOD (3 days 27°C) COD DO Free Ammonia (as N) Electrical Conductivity Boron SAR Total Solids	mg/l mg/l mg/l mg/l mg/l mg/l  mg/l	Results 7,77 <3 4 6,1 0,32 854 BDL	Test Method  IS: 3025 (P-11) 1984 R-  IS: 3025 (P-44) 1993  APHA 5220B  IS: 3025 (P-38) 1989 R-  IS: 3025 (P-34) 1988 R1  IS: 3025 (P-14) 1988 R  APHA 21" ED. 2005-45 (DL=0.5 mg/l)  By Calculation	1999 999 2002 00 C
1. 2. 3. 4. 5. 6. 7. 8.	pH BOD (3 days 27°C) COD DO Free Ammonia (as N) Electrical Conductivity Boron SAR Total Solids Total Suspended Solids	mg/l mg/l mg/l mg/l mg/l mg/l  mg/l	Results 7.77 <3 4 6.1 0.32 854 BDL <10	Test Method  IS: 3025 (P-11) 1984 R- IS: 3025 (P-44) 1993  APHA 5220B  IS: 3025 (P-38) 1989 R- IS: 3025 (P-34) 1988 R1 IS: 3025 (P-14) 1988 R. APHA 21" ED. 2005-45 (DL=0.5 mg/l)  By Calculation IS: 3025 (P-17) 1984 R-	1999 999 2002 00 C
1. 2. 3. 4. 5. 6. 7.	pH BOD (3 days 27°C) COD DO Free Ammonia (as N) Electrical Conductivity Boron SAR Total Solids	mg/l mg/l mg/l mg/l mg/l mg/l  µmhos/cm mg/l % mg/l	Results 7.77 <3 4 6.1 0.32 854 BDL <10 474	Test Method  IS: 3025 (P-11) 1984 R-  IS: 3025 (P-44) 1993  APHA 5220B  IS: 3025 (P-38) 1989 R-  IS: 3025 (P-34) 1988 R1  IS: 3025 (P-14) 1988 R  APHA 21" ED. 2005-45 (DL=0.5 mg/l)  By Calculation	1999 999 2002 00 C

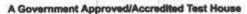
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E-207 Industrial Area: Phase VIII-B (Sector-74), Mohali (Punsib) 180071 TeleFax: 0172-4616225 Nr. 9781303109 consulted: @yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org







#### **TEST REPORT**

EL-14-15//7		dt	28/03/14	Lab No.	EC1403BW05	Page-1/2	
Customer;		Sh. Indra jeet S Ordinary Sand (I Tehsil <b>Jhakima</b> C/o Udaipur Min	ingh Jhala Bajri) Area – Dist. – Jl	1695.0 <b>6</b> H alawar (Ra	ect.		
Туре	of Sample:	Surface Water					
	Order No. & Date:	MOU					
Mod	e of Collection of Sample:	SAMPLE/ MON	NITORING	DATA PR	OVIDED BY CUSTO	MER	
	ing, Markings, Seal:	Plastic bottles ma	arked 'Khokh	anda'			
Quar	The state of the s	3 Litre					
	s of Sampling:	23.12.13, 24.12.1	3, 27.01.14,	28.01.14, 2	4,02.14, 25.02.14.		
	of Reporting:	18.03.14					
	ng Protocol:	Designated Best U	se by CPCB/	EIA Guidar	ice Manual- Mining of M	inerals: Annexure-	
na traducioni delegenza	arks & Observation:	Liquid with very				SWI CHILLIAN CO.	
S.No	Test Parameters	Units		ults	Test Method		
1.	pH		7,	71	IS: 3025 (P-11) 198	4 R-2002	
2.	BOD (3 days 27°C)	mg/l	<	5	IS: 3025 (P-44) 199	3	
3.	COD	mg/l			APHA 5220B		
4.	DO	mg/l	5.	2	IS: 3025 (P-38) 198	Constitution of the last of th	
5.	Free Ammonia (as N)	mg/l	0.	32	IS: 3025 (P-34) 198		
6.	Electrical Conductivity	µmhos/cm	10	24	IS: 3025 (P-14) 198	8 R 2002	
7.	Boron	mg/l	BI	OL.	APHA 21 <sup>st</sup> ED. 200 (DL=0.5 mg/l)	5-4500 C	
8.	SAR	54	<	10	By Calculation		
9.	Total Solids	mg/l	- 60	16	1S: 3025 (P-17) 198	4 R-2002	
10.	Total Suspended Solids	mg/l	2	6	IS: 3025 (P-16) 198	4 R-2002	
11.	Total Dissolved Solids	mg/I	51	30	IS: 3025 (P-17) 198	4 R-2002	
12.	Total Coliforms	MPN/100ml	2	4	IS: 1622-1981 R 20	03	

BDL= Below Detection Limit; DL= Detection Limit



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#### **TEST REPORT**

	14-15/05	dt.	28/03/14 Lab No.	EC1403BW13	Page-1/2
Cus	tomer:	Sh. Indra jeet S Ordinary Sand (	Singh Jhala Bajri) Area – 1695.06 1 Ada Dist. – Jhalawar (R.	lect.	1 2 2 2 1
Typ	e of Sample:	Surface Water	2.2.2.17.2.17.10.10.10.1		
Wor	k Order No. & Date:	MOU			
Mod	le of Collection of Sample	SAMPLE/MO	VITORING DATA PR	OVIDED BY CUCTON	#ED
Pack	ting, Markings, Seal:	Plastic bottles m	arked 'Kalamandi Kalla	OVIDED BY CUSTON	IER
	ntity:	3 Litre	wave Rummanut Kana		
Date	s of Sampling:		3, 27.01.14, 28.01.14, 2	4.02.14.25.02.14	
	of Reporting:	18,03,14	V, 47,01-14, 26,01.14, 2	4,02,14, 23,02,14,	
	ing Protocol:		se by CPCR/ETA Guidan	ce Manual- Mining of Min	
	arks & Observation:	Liquid with very	fine suspended impuriti	ce Manual- Milning of Mil	ierals: Annexure-
	Test Parameters	Units	Results	Test Method	
1.	pH		7.52	IS: 3025 (P-11) 1984	D 2000
2.	BOD (3 days 27°C)	mg/l	- 3	IS: 3025 (P-44) 1993	K+2002
3.	COD	mg/l	4	APHA 5220B	
4.	DO	mg/l	5.9	7.77.77.77.77.77.77.77.77	D 1000
5.	Free Ammonia (as N)	mg/l	0.28	IS: 3025 (P-38) 1989 IS: 3025 (P-34) 1988	
6.	Electrical Conductivity	umbos/cm	972	IS: 3025 (P-14) 1988	
7,	Boron	mg/l	BDL	APHA 21 <sup>st</sup> ED. 2005- (DL=0.5 mg/l)	4500 C
8.	SAR	%	<10	By Calculation	
9.	Total Solids	mg/I	543	IS: 3025 (P-17) 1984 I	0.7007
10.	Total Suspended Solids	mg/l	13	JS: 3025 (P-16) 1984 I	
	Total Dissolved Solids	mg/l	530	IS: 3025 (P-17) 1984 (	
	Lorar Dissoured Solids				

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#### **TEST REPORT**

EL-14-15/ &8		dt:	28/03/14 Lab No.	EC1403BW16	Page-1/2	
Customer:		Sh. Indra jeet Si Ordinary Sand (B	ngh Jhala lajri) Area – 1695.06 H 🎰 Dist. – Jhalawar (Ra	ect.		
Typ	e of Sample:	Surface Water				
Wor	k Order No. & Date:	MOU				
Mod	le of Collection of Sample:	SAMPLE/ MON	ITORING DATA PR	OVIDED BY CUSTOM	FR	
	ting, Markings, Seal:		rked 'Sangam Rewa Ri			
	ntity:	3 Litre				
Date	es of Sampling:		3, 27,01,14, 28,01,14, 2	4 02 14 25 02 14		
	of Reporting:	23.12.13, 24.12.13, 27.01.14, 28.01.14, 24.02.14, 25.02.14, 18.03.14				
	ing Protocol:	A. A	e by CPCR/ E1A Guidan	ce Manual- Mining of Min	eralie Annavuea	
	arks & Observation:		ine suspended impuritie		rans ramexare-	
S.No	Test Parameters	Units	Results	Test Method		
1.	pH		7.49	IS: 3025 (P-11) 1984 1	R-2002	
2.	BOD (3 days 27°C)	mg/l	<3	IS: 3025 (P-44) 1993		
3.	COD	mg/I	4	APHA 5220B		
4.	DO	mg/I	6.1	IS: 3025 (P-38) 1989 I	R-1999	
5.	Free Ammonia (as N)	mg/l	0.30	15: 3025 (P-34) 1988 I	R1999	
6.	Electrical Conductivity	µmhos/em	835	1S: 3025 (P-14) 1988 J	2002	
7.	Boron	mg/l	BDL.	APHA 21" ED. 2005-4 (DL=0.5 mg/l)	1500 C	
8.	SAR	96	<10	By Calculation		
9.	Total Solids	mg/l	466	IS: 3025 (P-17) 1984 F	t-2002	
	Total Suspended Solids	mg/l	16	IS: 3025 (P-16) 1984 F	2002	
10.					t-2002	
11.	Total Dissolved Solids Total Coliforms	mg/l	450	IS: 3025 (P-17) 1984 F		

BDL= Below Detection Limit; DL= Detection Limit



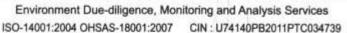
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#### **TEST REPORT**

EL	-14-15/18	dt.	28/03/14 Lab No.	EC1403BW06	Page-1/2
Customer:		Sh. Indra jeet Si Ordinary Sand (E	ingh Jhala Bajri) Area – 1695.06 He Dy Dist. – Jhalawar (Raj	ect.	1 1 1 1 1 1 1
Typ	e of Sample:	Surface Water			
Wo	rk Order No. & Date:	MOU			
Moi	de of Collection of Sample:	SAMPLE/ MON	ITORING DATA PRO	OVIDED BY CUSTOME	9
Pac	king, Markings, Seal:	Plastic bottles ma	rked 'Rewa River-Pipali	iva'	
	ntity:	3 Litre	tion remarkates a speci	ya	
	es of Sampling:		3, 27.01.14, 28.01.14, 24	1.02 14 25 02 14	
	of Reporting:	18,03,14	1 = 1 × 1 - 17, 40 × 1 , 17, 29	.04.14, 43.04.14,	
	ing Protocol:	17,001,000	e by CPCB/ FIA Guidane	e Manual- Mining of Minera	les Ammanus
	narks & Observation:	Liquid with very f	ine suspended impuritie	e resummar withing of Williera	is: Almexure-
	Test Parameters	Units	Results	Test Method	
1_	pH		7.72	IS: 3025 (P-11) 1984 R-2	002
2.	BOD (3 days 27°C)	mg/l	<3	IS: 3025 (P-44) 1993	002
3,	COD	mg/l	4	APHA 5220B	
4,	DO	mg/l	5.9	IS: 3025 (P-38) 1989 R-19	999
	Free Ammonia (as N)	mg/l	0.30	IS: 3025 (P-34) 1988 R19	A STATE OF THE STA
5.			0.50		99
6.	Electrical Conductivity	μmhos/cm	5.9		
7.	Electrical Conductivity Boron	μmhos/cm mg/l		IS: 3025 (P-14) 1988 R 20 APHA 21" ED. 2005-450	002
6. 7. 8.	Electrical Conductivity	400000000000000000000000000000000000000	5.9	1S: 3025 (P-14) 1988 R 20 APHA 21" ED. 2005-450 (DL=0.5 mg/l)	002
6. 7. 8. 9.	Boron SAR Total Solids	mg/i	5.9 BDL	IS: 3025 (P-14) 1988 R 2( APHA 21" ED. 2005-450 (DL=0.5 mg/l) By Calculation	002 0 C
6. 7. 8. 9.	Boron SAR Total Solids Total Suspended Solids	mg/l	5.9 BDL <10	IS: 3025 (P-14) 1988 R 20 APHA 21" ED. 2005-450 (DL=0.5 mg/l) By Calculation IS: 3025 (P-17) 1984 R-20	002 0 C
6. 7. 8. 9.	Boron SAR Total Solids	mg/l % mg/l	5.9 BDL <10 588	IS: 3025 (P-14) 1988 R 2( APHA 21" ED. 2005-450 (DL=0.5 mg/l) By Calculation	002 0 C 002 002

BDL\* Below Detection Limit; DL= Detection Limit

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#### **TEST REPORT**

EL-1	4-15/20	dt:	28/03/14 Lab No.	EC1403BW08	Page-1/2	
Customer:		Sh. Indra jeet Sir Ordinary Sand (Ba Tehsil Jhabra Co Co Udaipur Min-	ajri) Area – 1695.06 H Dist. – Jhalawar (R	lect. aj.)		
Type	of Sample:	Surface Water				
Work	Order No. & Date:	MOU				
	of Collection of Sample:	SAMPLE/ MON	ITORING DATA PR	OVIDED BY CUSTO	MER	
	ing, Markings, Seal:	Plastic bottles may	ked 'Gundi'			
Ouan	The state of the s	3 Litre	West and the second			
_	s of Sampling:	23.12.13, 24.12.13	, 27.01.14, 28.01.14, 2	24.02.14, 25.02.14.		
	of Reporting:	18 03 14				
	ng Protocol:	Designated Best Use by CPCB/ EIA Guidance Manual- Mining of Minerals: Annexure-				
	arks & Observation:		ine suspended impurit			
	Test Parameters	Units	Results	Test Method		
1.	pH	- 8	7.49	IS: 3025 (P-11) 198		
2.	BOD (3 days 27°C)	mg/l	<3	IS: 3025 (P-44) 199	3	
3.	COD	mg/l	4	APHA 5220B		
4.	DO	mg/I	6.1	IS: 3025 (P-38) 198		
5.	Free Ammonia (as N)	mg/l	0.36	IS: 3025 (P-34) 198		
6.	Electrical Conductivity	µmhos/cm	788	IS: 3025 (P-14) 198		
7.	Boron	mg/l	BDL,	APHA 21" ED. 200 (DL=0.5 mg/l)	5-4500 C	
8.	SAR	96	<10	By Calculation		
9.	Total Solids	mg/l	473	15: 3025 (P-17) 198	Comments of the Comments of th	
10.	Total Suspended Solids	mg/l	23	IS: 3025 (P-16) 198		
11.	Total Dissolved Solids	mg/l	450	IS: 3025 (P-17) 198		
12	Total Coliforms	MPN/100ml	13	IS: 1622-1981 R 20	103	

BDL= Below Detection Limit; DL= Detection Limit



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#### **TEST REPORT**

EL-	14-15/29	dt:d	8/03/14 Lab No.	EC1403BW17	Page-1/2
Customer:		Sh. Indra jeet Sin Ordinary Sand (B	ngh Jhala ajri) Area – 1695.06 Ho MoDist. – Jhalawar (Ra		
Туре	of Sample:	Surface Water			
Worl	k Order No. & Date:	MOU			
Mod	e of Collection of Sample:	SAMPLE/ MON	ITORING DATA PRO	OVIDED BY CUSTON	MER
	ing, Markings, Seal:	Plastic bottles ma			
Quar		3 Litre			
_	s of Sampling:	23.12.13, 24.12.13	, 27.01.14, 28.01.14, 24	4.02.14, 25.02.14.	
	of Reporting:	18.03.14			
	ng Protocol:	Designated Best Use	by CPCB/ EIA Guidane	ce Manual- Mining of Mi	nerals: Annexure-
	arks & Observation:		ine suspended impuritie		
mand still regarded as	Test Parameters	Units	Results	Test Method	
1.	pH		7.64	IS: 3025 (P-11) 1984	R-2002
2.	BOD (3 days 27°C)	mg/I	<5	IS: 3025 (P-44) 1993	
3.	COD	mg/l	8	APHA 5220B	
4.	DO	mg/l	5.5	IS: 3025 (P-38) 1989	R-1999
5.	Free Ammonia (as N)	mg/l	0.31	IS: 3025 (P-34) 1988	R1999
6.	Electrical Conductivity	μmhos/cm	824	IS: 3025 (P-14) 1988	R 2002
7,	Boron	mg/l	BDL	APHA 21 <sup>st</sup> ED. 2005 (DL=0.5 mg/l)	-4500 C
8.	SAR	56	<10	By Calculation	
9.	Total Solids	mg/l	461	IS: 3025 (P-17) 1984	R-2002
10.	Total Suspended Solids	mg/l	.31	IS: 3025 (P-16) 1984	R-2002
11.	Total Dissolved Solids	mg/l	430	IS: 3025 (P-17) 1984	R-2002
12.	Total Coliforms	MPN/100ml	- 27	IS: 1622-1981 R 200	3

BDL= Below Detection Limit; DL= Detection Limit

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## **TEST REPORT**

	-14-15/24	dt	128/03/14 Lab No.	EC1403BW12 Page	
Cu	stomer:	Sh. Indra jeet Ordinary Sand Tehsil – Jholpa	Singh Jhala (Bajri) Area – 1695,06 H pagDist. – Jhalawar (Ra in-Tech Pvt. Ltd.	act	e-1/.
Typ	e of Sample:	Surface Water	m-reen rvt. Ltd.		
Wo	rk Order No. & Date:	MOU			
Mo	de of Collection of Same	le: SAMPLE/MO	MITODING DATE OF	OVIDED BY CUSTOMER	
Pac	king, Markings, Seal:	Plactic bottles a	MITORING DATA PR	OVIDED BY CUSTOMER	
Qua	intity:	3 Litre	arked Khairabad Pond'		
	es of Sampling:		12 22 21 14 24		
	e of Reporting:	18.03.14	13, 27.01.14, 28.01.14, 24	1.02.14, 25.02.14,	
Test	ing Protocol:		E		
	arks & Observation:	Liouid wist	se by CPCB/ EIA Guidanc	e Manual- Mining of Minerals: Annexi	ure-5
	Test Parameters	Units Units	anie suspended impuritie	S,	
1.	pH	Units	Results	Test Method	
2.	BOD (3 days 27°C)	mg/I	7.38	IS: 3025 (P-11) 1984 R-2002	
3.	COD	mg/I	<5	IS: 3025 (P-44) 1993	
4.	DO		8	APHA 5220B	
5.	Free Ammonia (as N)	mg/l	5.4	IS: 3025 (P-38) 1989 R-1999	
6.	Electrical Conductivity	mg/l	0.28	IS: 3025 (P-34) 1988 R1999	
7.	Boron	µmhos/cm	988	IS: 3025 (P-14) 1988 R 2002	
		mg/l	BDL	APHA 21" ED. 2005-4500 C	
8.	SAR	96		(DL=0.5 mg/I)	
9.	Total Solids	mg/I	<10	By Calculation	
10.	Total Suspended Solids	mg/l	567	IS: 3025 (P-17) 1984 R-2002	
11.	Total Dissolved Solids		27	IS: 3025 (P-16) 1984 R-2002	
2.	Total Coliforms	mg/l MPN/100ml	540	IS: 3025 (P-17) 1984 R-2002	
11 = 1	Below Detection Limit; DL=	D STATE OF TOURIST	22	IS: 1622-1981 R 2003	

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#### **TEST REPORT**

	-14-15/23	. d	t: 88/03/14 Lab No.	EC1403BW11	Dog 1
	stomer:	Sh. Indra jeet S Ordinary Sand (	<b>Singh Jhala</b> Bajri) Area – 1695,0 <b>6</b> H <b>Maho</b> Dist. – Jhalawar (Ra	ect	Page-1/
Typ	e of Sample:	Surface Water			
Wo	rk Order No. & Date:	MOU			
Mod	de of Collection of Sample	The second secon	VITODING DATA DD	OVIDED BY CUSTOM	
Pack	king, Markings, Seal:		arked 'Ramniwas Pond'	OVIDED BY CUSTOM	ER
	ntity;	3 Litre	macu Rammiwas Pond		
Date	es of Sampling:		2 2701 14 20 01 14 2		
	of Reporting:	18.03.14	3, 27.01.14, 28.01.14, 24	1.02.14, 25.02.14.	
	ing Protocol:		sa by CDCD/Eta C. St.		
	arks & Observation:	Liquid with very	fine suspended impuritie	e Manual- Mining of Mine	rals: Annexure-
S.No	Test Parameters	Units	Results		
1,	pH	-	7.62	Test Method	
2.	BOD (3 days 27°C)	mg/l	<5	IS: 3025 (P-11) 1984 B	-2002
3.	COD	mg/l		IS: 3025 (P-44) 1993	
4.	DO	mg/l	8	APHA 5220B	
5.	Free Ammonia (as N)	mg/l	5.3	IS: 3025 (P-38) 1989 R	
6.	Electrical Conductivity	umhos/cm	0.27	IS: 3025 (P-34) 1988 R	1999
7.	Boron	mg/l	980	IS: 3025 (P-14) 1988 R	2002
		Hight	BDL.	APHA 21" ED. 2005-4	500 C
8.	SAR	9%	<10	(DL=0.5 mg/l)	
9.	Total Solids	mg/l	576	By Calculation	
10.	Total Suspended Solids	mg/I	26	1S: 3025 (P-17) 1984 R	2002
11.	Total Dissolved Solids	mg/l	550	IS: 3025 (P-16) 1984 R-	2002
12	Total Coliforms	MPN/100ml	220	15: 3025 (P-17) 1984 R-	2002

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#### **TEST REPORT**

	-14-15/2/	d	t: 22/03/14 Lab No.	EC1403BW09	Page-1/		
Cus	tomer:	Sh. Indra jeet S Ordinary Sand (1	ingh Jhala Bajri) Area – 1695.06 He MoDist. – Jhalawar (Ra	ect.	rageri		
Тур	e of Sample:	Surface Water					
Wor	k Order No. & Date:	MOU					
		le: SAMPLE/MON	SITORING DATA PRO	OVIDED BY CUSTOME	W.		
Pack	cing, Markings, Seal:	Plastic bottles ma	arked 'Gomti Sagar Dam	OVIDED BY CUSTOME	R		
	ntity:	3 Litre	nked Collin Sagar Dam				
Date	es of Sampling:	Part of the second seco	3, 27.01.14, 28.01.14, 24	00.14.06.00.14			
	of Reporting:	18.03.14	3, 27.01,14, 20.01.14, 24	.02.14, 25.02.14.			
	ing Protocol:	The second secon	Designated Best Use by CPCB/ EIA Guidance Manual- Mining of Minerals: Annexure-				
	arks & Observation:	Liquid with vary	ine suspended impuritie	e Manual- Mining of Miner	als: Annexure-		
	Test Parameters	Units	Results				
1.	pH	Cins	7.71	Test Method			
2.	BOD (3 days 27°C)	mg/l		IS: 3025 (P-11) 1984 R-	2002		
3.	COD	mg/i	<3	IS: 3025 (P-44) 1993			
4.	DO	100000000000000000000000000000000000000	4	APHA 5220B	505-7		
5.	Free Ammonia (as N)	mg/l	5.8	IS: 3025 (P-38) 1989 R-			
6.	Electrical Conductivity	mg/l	0.36	IS: 3025 (P-34) 1988 R1			
7.	Boron	μmhos/cm	880	. IS: 3025 (P-14) 1988 R 2	1002		
611	DOTOH.	mg/l	BDL	APHA 21st ED. 2005-450	00 C		
8.	SAR	96	<10	(DL=0.5 mg/l)			
9.	Total Solids	mg/l		By Calculation			
10.	Total Suspended Solids	mg/l	504	IS: 3025 (P-17) 1984 R-2			
11.	Total Dissolved Solids	mg/l	24	IS: 3025 (P-16) 1984 R-2			
12	Total Coliforms	MPN/100ml	480	15: 3025 (P-17) 1984 R-2	002		
	Below Detection Limit; DL=		15	IS: 1622-1981 R 2003			



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#### **TEST REPORT**

EL-	14-15/22	dt:	28/03/14 Lab No.	EC1403BW10	Page-1/2	
Customer:		Sh. Indra jeet Singh Jhala Ordinary Sand (Bajri) Area – 1695.06 Hect. Tehsil – Jhalovendun Dist. – Jhalawar (Raj.) C/o Udaipur Min-Tech Pvt. Ltd.				
Турс	e of Sample:	Surface Water				
Wor	k Order No. & Date:	MOU				
Mod	e of Collection of Sample:	SAMPLE/ MON	ITORING DATA PR	OVIDED BY CUSTON	MER	
	ing, Markings, Seal:		rked 'Khandia Pond'-Jh	alawar'	STORES OF THE PARTY OF THE PART	
	ntity:	3 Litre				
nd and Colombia must	s of Sampling:		27.01.14.28.01.14.2	4 02 14 25 02 14		
	of Reporting:	23.12.13, 24.12.13, 27.01.14, 28.01.14, 24.02.14, 25.02.14. 18.03.14				
	ing Protocol:		by CPCB/ FIA Guidan	ce Manual- Mining of Mi	nerals: Annexure-	
	arks & Observation:		ine suspended impuriti		remain remember.	
	Test Parameters	Units	Results	Test Method		
1.	pH	-	7.56	IS: 3025 (P-11) 1984	R-2002	
2.	BOD (3 days 27°C)	mg/l	<3	IS: 3025 (P-44) 1993		
3.	COD	mg/l	4	APHA 5220B		
4.	DO	mg/l	5.9	IS: 3025 (P-38) 1989	R-1999	
5.	Free Ammonia (as N)	mg/l	0.26	IS: 3025 (P-34) 1988	R1999	
6.	Electrical Conductivity	µmhos/cm	1028	IS: 3025 (P-14) 1988	R 2002	
7.	Boron	mg/l	BDL	APHA 21 <sup>st</sup> ED, 2005 (DL=0.5 mg/l)	-4500 C	
8.	SAR	%	<10	By Calculation		
9.	Total Solids	mg/l	614	15: 3025 (P-17) 1984	R-2002	
10.	Total Suspended Solids	mg/l	14	IS: 3025 (P-16) 1984	R-2002	
11.	Total Dissolved Solids	mg/l	600	IS: 3025 (P-17) 1984	R-2002	
12.	Total Coliforms	MPN/100ml	17	IS: 1622-1981 R 200	3	

BDL= Below Detection Limit; DL= Detection Limit



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#### **TEST REPORT**

EL	-14-15/26	dt: 3	8/03/14 Lab No.	EC1403BW14	Page-1/2
Customer:		Sh. Indra jeet Si Ordinary Sand (E	ingh Jhala Bajri) Area – 1695.06 Hec AcoDist. – Jhalawar (Raj.	et.	
Тур	e of Sample:	Surface Water			
Wor	rk Order No. & Date:	MOU			
Mod	de of Collection of Sample:	SAMPLE/MON	ITORING DATA PRO	VIDED BY CUSTOMER	2
	king, Markings, Seal:	Plastic bottles ma	rked 'Dhabariya'	TIPLE DI COSTONILI	
	ntity:	3 Litre			
	es of Sampling:	23.12.13. 24.12.13	3, 27.01.14, 28.01.14, 24.	02 14 25 02 14	
	of Reporting:	18.03.14	4 2 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W4-174 4-2-VA-177.	
	ing Protocol:	Designated Best Us	e by CPCB/ FIA Guidance	Manual- Mining of Mineral	or Amnavira
	arks & Observation:	Liquid with very f	ine suspended impurities	manual mining or mineral	S+ PAINCAUTCS
	Test Parameters	Units	Results	Test Method	
1.	pH		7.64	IS: 3025 (P-11) 1984 R-20	002
2.	BOD (3 days 27°C)	mg/l	<3	IS: 3025 (P-44) 1993	002
3,	COD	mg/l	-4	APHA 5220B	
4.	DO	mg/l	6	IS: 3025 (P-38) 1989 R-19	999
5.	Free Ammonia (as N)	mg/l	0.34	IS: 3025 (P-34) 1988 R19	
6.	Electrical Conductivity	µmhos/cm	884	IS: 3025 (P-14) 1988 R 20	
7.	Boron	mg/l	BDL	APHA 21" ED. 2005-450 (DL=0.5 mg/l)	
8.	SAR	%	<10	By Calculation	
9.	Total Solids	mg/l	491	IS: 3025 (P-17) 1984 R-20	002
10.	Total Suspended Solids	mg/l	11	15: 3025 (P-16) 1984 R-20	
11.	Total Dissolved Solids	mg/I	480	1S: 3025 (P-17) 1984 R-20	14.4
12.	Total Coliforms	MPN/100ml	21	18: 1622-1981 R 2003	real real real real real real real real

BDL\* Below Detection Limit; DL= Detection Limit



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