



TEAM TEST HOUSE
(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

NABL RSPCB ISO 9001:2008 OHSAS 18001:2007 JDA/UDH

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TEST REPORT

Report No	: Soil/286
Issue date	: 09/06/2014
Issue to	: Apex Mintech Consultants, udaipur
Concerned Mines	: Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat, Near village: Lasani to pushalo ka khera, Tehsil: Devgarh, District: Rajsamand (Raj.) Area: 339.62 ha.
Type of Unit	: Mines
Date of Monitoring	: 18/04/2014 to 19/04/2014
Date of Receipt	: 21/04/2014
Date of Test	: 21/04/2014 to 25/04/2014
Sample Collected By	: Mr. Ajay & Mr. Gaurav
Type of Sample	: Soil Sample
Testing Protocol	: Bureau of Indian Standards

RESULTS

S. No.	Parameter	Lasani (core zone)	Bagar	Devgarh	Nimjhar	Ralaita
1.	pH	8.10	8.58	7.80	8.0	7.95
2.	Color	Dark Brown	Dark Brown	Brown	Brown	Dark Brown
3.	Calcium as Ca%	0.24	0.36	0.12	<0.1	<0.1
4.	Available Nitrogen as N%	0.010	0.012	0.011	0.012	0.010
5.	Phosphorus as P%	0.001	0.012	0.0012	0.0009	0.002
6.	Sodium as Na%	0.009	0.002	0.165	0.004	0.31
7.	Potassium as K%	0.008	0.015	0.008	0.01	0.0057
8.	Conductivity $\mu\text{mho/cm}$	618	605	1115	1452	484
9.	Sulphate as $\text{SO}_4\%$	0.027	BDL	BDL	0.022	BDL
10.	Organic Carbon %	0.55	0.45	0.40	0.42	0.30
11.	Organic Matter%	0.95	0.78	0.69	0.72	0.52

Note: -

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Rajesh Maheshwari
Technical Manager


Kavita Mathur
Quality Manager
(Report No. Soil/286)



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ISO 9001:2008

OHSAS 18001:2007

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E-mail: teamtest@rediffmail.com

TEST REPORT

Issued date :
Issued to :
Concerned Mines :

Water/SO4
09/06/2014
M/s Apex Mintech Consultants, Udaipur
Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
District: Rajasmand (Raj) Area: 339.62 ha

Type of Unit
Date of Sample Collection
Date of Receipt
Date of Sample Test
Type of Sample
Sample Collected by
Point of Collection
Testing Protocol

Mines
26/04/2014 to 02/05/2014
02/05/2014
02/05/2014 to 08/05/2014
Surface water
Mr. Ajay and Mr. Gaurav
Hempura village (Pond)
American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.11	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	1014	-	-
4	Turbidity (NTU)	BDL	1	5
5	Total Hardness (CaCO ₃) (mg/l)	337	500	600
6	Chlorides as Cl (mg/l)	94	250	1000
7	Iron as Fe (mg/l)	0.03	0.3	-
8	Total dissolved solids (mg/l)	649	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	33	200	400
12	Alkalinity as CaCO ₃ (mg/l)	380	200	600
13	Fluoride as F (mg/l)	0.88	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	15.5	45	-
15	Magnesium as mg (mg/l)	34.69	30	100
16	Calcium as Ca (mg/l)	76.8	75	200
17	Sodium as Na (mg/l)	105	-	-
18	Potassium as K (mg/l)	10.3	-	-

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Rajesh Maheshwari
Rajesh Maheshwari
Technical Manager

Kavita Mathur
Kavita Mathur
Quality Manager



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TEST REPORT

Report No. :
Issued date :
Issued to :
Concerned Mines :

Water/503
09/06/2014
M/s Apex Mintech Consultants, Udaipur
Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
District: Rajasmand (Raj.) Area: 339.62 ha.

Type of Unit :
Date of Sample Collection :
Date of Receipt :
Date of Sample Test :
Type of Sample :
Sample Collected by :
Point of Collection :
Testing Protocol :

Mines
26/04/2014 to 02/05/2014
02/05/2014
02/05/2014 to 08/05/2014
Surface water
Mr. Ajay and Mr. Gaurav
Dhaura village (Gopal Sagar Pond)
American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.35	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	1508	-	-
4	Turbidity (NTU)	2.0	1	5
5	Total Hardness (CaCO ₃) (mg/l)	327	200	600
6	Chlorides as Cl (mg/l)	355	250	1000
7	Iron as Fe (mg/l)	< 0.01	0.3	-
8	Total dissolved solids (mg/l)	956	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	66	200	400
12	Alkalinity as CaCO ₃ (mg/l)	260	200	600
13	Fluoride as F (mg/l)	0.76	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	13.5	45	-
15	Magnesium as mg (mg/l)	28.5	30	100
16	Calcium as Ca (mg/l)	83.16	75	200
17	Sodium as Na (mg/l)	245	-	-
18	Potassium as K (mg/l)	7.7	-	-

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager



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TEST REPORT

Report No
 Issued date
 Issued to
 Concerned Mines

Water/502
 09/06/2014
 M/s Apex Mintech Consultants, Udaipur
 Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
 Near village: Lauani to pushalo ka khera, Tehsil: Devgarh,
 District: Rajsamand (Raj.) Area: 339.62 ha.

Type of Unit
 Date of Sample Collection
 Date of Receipt
 Date of Sample Test
 Type of Sample
 Sample Collected by
 Point of Collection
 Testing Protocol

Mines
 26/04/2014 to 02/05/2014
 02/05/2014
 02/05/2014 to 08/05/2014
 Surface water
 Mr. Ajay and Mr. Gaurav
 Nimjhar village (Pool water)
 American Public Health Association 21st Edition, 2005

RESULT

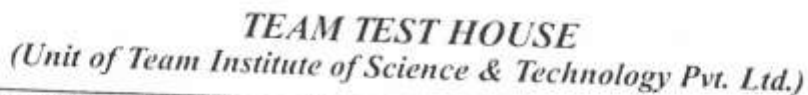
Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	6.91	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	1570	-	-
4	Turbidity (NTU)	0.1	1	5
5	Total Hardness (CaCO ₃) (mg/l)	550	200	600
6	Chlorides as Cl (mg/l)	200	250	1000
7	Iron as Fe (mg/l)	0.09	0.3	-
8	Total dissolved solids (mg/l)	1018	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	72	200	400
12	Alkalinity as CaCO ₃ (mg/l)	470	200	600
13	Fluoride as F (mg/l)	1.3	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	41	45	-
15	Magnesium as mg (mg/l)	55.9	30	100
16	Calcium as Ca (mg/l)	128	75	200
17	Sodium as Na (mg/l)	165	-	-
18	Potassium as K (mg/l)	3.5	-	-

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Rajesh Maheshwari
 Technical Manager

Kavita Mathur
 Quality Manager



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JDA/UDH

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TEST REPORT

TEST REPORT		E-mail
Report No	Water/501	E-mail
Issued date	09/06/2014	
Issued to	M/s Apex Mintech Consultants, Udaipur	
Concerned Mines	Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat Near village: Lasani to pushalo ka khara, Tehsil: Devgarh, District: Rajasmand (Raj.) Area: 339.62 ha.	
Type of Unit	Mines	
Date of Sample Collection	26/04/2014 to 02/05/2014	
Date of Receipt	02/05/2014	
Date of Sample Test	02/05/2014 to 08/05/2014	
Type of Sample	Surface water	
Sample Collected by	Mr. Ajay and Mr. Gaurav	
Point of Collection	Padmeja village(Nadi/hala)	
Testing Protocol	American Public Health Association 21 st Edition, 2005	

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.05	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	660	-	-
4	Turbidity (NTU)	1.8	1	5
5	Total Hardness (CaCO ₃) (mg/l)	270	1000	600
6	Chlorides as Cl (mg/l)	20	250	1000
7	Iron as Fe (mg/l)	< 0.01	0.3	-
8	Total dissolved solids (mg/l)	422	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	09	200	400
12	Alkalinity as CaCO ₃ (mg/l)	330	200	600
13	Fluoride as F (mg/l)	1.12	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	35	45	-
15	Magnesium as mg (mg/l)	17.0	30	100
16	Calcium as Ca (mg/l)	80	75	200
17	Sodium as Na (mg/l)	43	-	-
18	Potassium as K (mg/l)	05	-	-

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JDA/UDH

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TEST REPORT

Water/495
Issued date : 09/06/2014
Issued to : M/s Apex Mitech Consultants, Udaipur
Concerned Mines : Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village : Lasani to pushalo ka khera, Tehsil : Devgarh,
District : Rajasmand (Raj.) Area : 339.62 ha.

Lab. : G1-584, Sitapura Industrial Area
Tonk Road, JAIPUR-302022 Raj.
Ph. : 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
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Type of Unit : Mines
Date of Sample Collection : 26/04/2014 to 02/05/2014
Date of Receipt : 02/05/2014
Date of Sample Test : 02/05/2014 to 08/05/2014
Type of Sample : Surface water
Sample Collected by : Mr. Ajay and Mr. Gaurav
Point of Collection : Sangrampura village (Pond water)
Testing Protocol : American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.33	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	635	-	-
4	Turbidity (NTU)	13.9	1	5
5	Total Hardness (CaCO ₃) (mg/l)	176	200	600
6	Chlorides as Cl (mg/l)	88	250	1000
7	Iron as Fe (mg/l)	< 0.01	0.3	-
8	Total dissolved solids (mg/l)	406	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	22	200	400
12	Alkalinity as CaCO ₃ (mg/l)	168	200	600
13	Fluoride as F (mg/l)	< 0.1	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	05	45	-
15	Magnesium as mg (mg/l)	25.51	30	100
16	Calcium as Ca (mg/l)	30	75	200
17	Sodium as Na (mg/l)	72	-	-
18	Potassium as K (mg/l)	7.8	-	-

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: EIA/Water/ 495)



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TEST REPORT

Report No.
Issued date
Issued to
Concerned Mines

Water/500
09/06/2014
M/s Apex Mintech Consultants, Udaipur
Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
District: Rajasmand (Raj.) Area: 339.62 ha.

Type of Unit
Date of Sample Collection
Date of Receipt
Date of Sample Test
Type of Sample
Sample Collected by
Point of Collection
Testing Protocol

Mines
26/04/2014 to 02/05/2014
02/05/2014
02/05/2014 to 08/05/2014
Ground water
Mr. Ajay and Mr. Gaurav
Lasani village (well water)
American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.12	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	1436	-	-
4	Turbidity (NTU)	1.20	1	5
5	Total Hardness (CaCO ₃) (mg/l)	410	300	600
6	Chlorides as Cl (mg/l)	220	250	1000
7	Iron as Fe (mg/l)	< 0.01	0.3	-
8	Total dissolved solids (mg/l)	933	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	52	200	400
12	Alkalinity as CaCO ₃ (mg/l)	570	200	600
13	Fluoride as F (mg/l)	1.38	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	20	45	-
15	Magnesium as mg (mg/l)	38.9	30	100
16	Calcium as Ca (mg/l)	100	75	200
17	Sodium as Na (mg/l)	120	-	-
18	Potassium as K (mg/l)	6.1	-	-

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TEST REPORT

Report No
Issued date
Issued to
Concerned Mines

Water/499
09/06/2014
M/s Apex Mintech Consultants, Udaipur
Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
District: Rajsamand (Raj.) Area: 339.62 ha.

Type of Unit
Date of Sample Collection
Date of Receipt
Date of Sample Test
Type of Sample
Sample Collected by
Point of Collection
Testing Protocol

Mines
26/04/2014 to 02/05/2014
02/05/2014
02/05/2014 to 08/05/2014
Ground water
Mr. Ajay and Mr. Gaurav
Kosalpura village (well water)
American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.91	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	1805	-	-
4	Turbidity (NTU)	3.9	1	5
5	Total Hardness (CaCO ₃) (mg/l)	337	300	600
6	Chlorides as Cl (mg/l)	155	250	1000
7	Iron as Fe (mg/l)	0.02	0.3	-
8	Total dissolved solids (mg/l)	1155	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	82	200	400
12	Alkalinity as CaCO ₃ (mg/l)	587	200	600
13	Fluoride as F (mg/l)	1.41	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	15	45	-
15	Magnesium as mg (mg/l)	40.39	30	100
16	Calcium as Ca (mg/l)	67.3	75	200
17	Sodium as Na (mg/l)	330	-	-
18	Potassium as K (mg/l)	11.5	-	-

Note :-

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Technical Manager

Kavita Mathur
Quality Manager

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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No.
Issued date
Issued to
Concerned Mines

Water/497
09/06/2014
M/s Apex Mintech Consultants, Udaipur
Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
District: Rajasmand (Raj.) Area: 339.62 ha.

Type of Unit
Date of Sample Collection
Date of Receipt
Date of Sample Test
Type of Sample
Sample Collected by
Point of Collection
Testing Protocol

Mines
26/04/2014 to 02/05/2014
02/05/2014
02/05/2014 to 08/05/2014
Ground water
Mr. Ajay and Mr. Gaurav
Mathunia village (Handpump)
American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.33	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	2600	-	-
4	Turbidity (NTU)	BDL	-	-
5	Total Hardness (CaCO ₃) (mg/l)	480	500	5
6	Chlorides as Cl (mg/l)	300	250	600
7	Iron as Fe (mg/l)	0.02	0.3	1000
8	Total dissolved solids (mg/l)	1664	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	155	200	400
12	Alkalinity as CaCO ₃ (mg/l)	490	200	600
13	Fluoride as F (mg/l)	0.60	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	42	45	-
15	Magnesium as mg (mg/l)	51.1	30	100
16	Calcium as Ca (mg/l)	108	75	200
17	Sodium as Na (mg/l)	140	-	-
18	Potassium as K (mg/l)	438	-	-

Note: -

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

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NABL

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OHSAS 18001:2007

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TEST REPORT

Water/496
09/06/2014
M/s Apex Mintoek Consultants, Udaipur
Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
District: Rajasmand (Raj.) Area: 339.62 ha.

Type of Unit
Date of Sample Collection
Date of Receipt
Date of Sample Test
Type of Sample
Sample Collected by
Point of Collection
Testing Protocol

Mines
26/04/2014 to 02/05/2014
02/05/2014
02/05/2014 to 08/05/2014
Ground water
Mr. Ajay and Mr. Gaurav
Kerpura village (Handpump)
American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.69	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (us/cm)	1545	-	-
4	Turbidity (NTU)	0.10	1	5
5	Total Hardness (CaCO ₃) (mg/l)	560	200	600
6	Chlorides as Cl (mg/l)	210	250	1000
7	Iron as Fe (mg/l)	< 0.01	0.3	-
8	Total dissolved solids (mg/l)	989	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	43	200	400
12	Alkalinity as CaCO ₃ (mg/l)	500	200	600
13	Fluoride as F (mg/l)	1.4	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	16	45	-
15	Magnesium as mg (mg/l)	75.4	30	100
16	Calcium as Ca (mg/l)	100	75	200
17	Sodium as Na (mg/l)	190	-	-
18	Potassium as K (mg/l)	32	-	-

Note: -

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager



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TEST REPORT

Report No : Water/498
Issued date : 09/06/2014
Issued to : M/s Apex Mintech Consultants, Udaipur
Concerned Mines : Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat
Near village: Lasani to pushalo ka khera, Tehsil: Devgach,
District: Rajsamand (Raj.) Area: 339.62 ha.

Type of Unit : Mines
Date of Sample Collection : 26/04/2014 to 02/05/2014
Date of Receipt : 02/05/2014
Date of Sample Test : 02/05/2014 to 08/05/2014
Type of Sample : Ground water
Sample Collected by : Mr. Ajay and Mr. Gaurav
Point of Collection : Malikmalaya village (Handpump)
Testing Protocol : American Public Health Association 21st Edition, 2005

RESULT

Sr. No.	Parameters	Observed Value	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of Alternative Source as per IS 10500 : 2012
1	pH	7.06	6.5 to 8.5	-
2	Color (Hazen)	< 5	5	15
3	Conductivity at 25°C (µs/cm)	1049	-	-
4	Turbidity (NTU)	0.2	1	5
5	Total Hardness (CaCO ₃) (mg/l)	500	500	600
6	Chlorides as Cl (mg/l)	175	250	1000
7	Iron as Fe (mg/l)	< 0.01	0.3	-
8	Total dissolved solids (mg/l)	682	500	2000
9	Residual Free Chlorine (mg/l)	< 0.1	0.2	-
10	Odour	Agreeable	Agreeable	-
11	Sulphates as SO ₄ (mg/l)	52	200	400
12	Alkalinity as CaCO ₃ (mg/l)	200	200	600
13	Fluoride as F (mg/l)	0.50	1.0	1.5
14	Nitrates as NO ₃ (mg/l)	24	45	-
15	Magnesium as mg (mg/l)	36.5	30	100
16	Calcium as Ca (mg/l)	140	75	200
17	Sodium as Na (mg/l)	69	-	-
18	Potassium as K (mg/l)	9.5	-	-

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager



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TEST REPORT

: A/1009
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
S/o Shri Bharat Singh Ranawat,
Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 10/03/2014
: 10/03/2014 to 15/03/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Dated
Issued to
Concerned Mines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1	Barjal	03/03/2014	Rural	51.6	21.6	5.0	13.5
2	Kishanpura	03/03/2014	Rural	54.6	23.0	5.8	11.3
3	Sangrampura	03/03/2014	Near Core Zone	64.8	27.2	7.2	12.5
4	Anjana	03/03/2014	Rural	51.9	20.3	6.0	18.3
5	Milala	04/03/2014	Rural	49.1	22.5	5.3	15.2
6	Ashoknagar	04/03/2014	Near Core Zone	55.6	23.3	5.8	19.1
7	Deopura	04/03/2014	Rural	56.8	18.6	6.0	15.0
8	Kakrod	04/03/2014	Near Core Zone	58.3	21.7	6.6	12.2
9	Bambola	05/03/2014	Rural	58.0	26.0	4.8	14.7
10	Jina	05/03/2014	Near Core Zone	67.2	26.5	5.4	15.2
11	Danteri	05/03/2014	Rural	63.4	25.6	5.8	12.8
12	Barjal	06/03/2014	Rural	58.5	23.3	5.5	15.5
13	Kishanpura	06/03/2014	Rural	58.3	23.51	7.7	10.4
14	Sangrampura	06/03/2014	Near Core Zone	56.1	21.2	4.9	18.0
15	Anjana	06/03/2014	Rural	68.4	26.9	5.9	18.1
16	Milala	07/03/2014	Rural	51.5	21.2	7.1	16.2
17	Ashoknagar	07/03/2014	Near Core Zone	62.1	26.2	6.9	13.9
18	Deopura	07/03/2014	Rural	54.5	23.0	7.5	10.5
19	Kakrod	07/03/2014	Near Core Zone	60.6	25.9	6.4	12.3
20	Bambola	08/03/2014	Rural	68.1	28.0	4.6	15.6
21	Jina	08/03/2014	Near Core Zone	66.4	27.4	5.9	13.6
22	Danteri	08/03/2014	Rural	66.0	26.2	6.5	17.8

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Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No: A/1009)



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TEST REPORT

: A/1010
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 18/03/2014
: 18/03/2014 to 22/03/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Report No
Dated
Issued to
Concerned Mines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1	Barjal	10/03/2014	Rural	56.7	23.0	4.6	14.7
2	Kishanpura	10/03/2014	Rural	51.9	26.2	6.5	12.3
3	Sangrampura	10/03/2014	Near Core Zone	55.7	23.6	7.5	15.8
4	Anjana	10/03/2014	Rural	54.6	20.5	4.5	18.5
5	Milala	11/03/2014	Rural	66.4	23.5	7.5	16.5
6	Ashoknagar	11/03/2014	Near Core Zone	53.5	21.6	7.3	11.5
7	Deopura	11/03/2014	Rural	50.7	21.0	5.7	15.8
8	Kakrod	11/03/2014	Near Core Zone	63.4	27.0	8.0	15.6
9	Bandala	12/03/2014	Rural	70.8	26.3	6.4	14.2
10	Jina	12/03/2014	Near Core Zone	68.9	27.7	5.1	11.6
11	Danteri	12/03/2014	Rural	71.8	29.5	6.7	15.5
12	Barjal	13/03/2014	Rural	62.9	28.0	7.0	13.3
13	Kishanpura	13/03/2014	Rural	59.1	23.5	4.5	16.1
14	Sangrampura	13/03/2014	Near Core Zone	58.2	24.1	6.9	15.2
15	Anjana	13/03/2014	Rural	57.2	21.7	6.8	12.9
16	Milala	14/03/2014	Rural	53.5	21.8	6.2	15.9
17	Ashoknagar	14/03/2014	Near Core Zone	55.7	25.9	6.0	14.5
18	Deopura	14/03/2014	Rural	60.9	22.3	6.5	11.5
19	Kakrod	14/03/2014	Near Core Zone	59.2	27.3	8.1	15.8
20	Bandala	15/03/2014	Rural	65.6	28.5	6.0	14.0
21	Jina	15/03/2014	Near Core Zone	70.4	28.4	6.3	18.3
22	Danteri	15/03/2014	Rural	66.6	27.6	7.2	16.2

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: A/1010)



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Report No
Dated
Issued to
Concerned Mines

TEST REPORT

: A/1012
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: M/s. Shri Rajendra Singh Ranawat
: S/o Shri Bharat Singh Ranawat
: Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha
: Ambient Air Quality Monitoring
: 31/03/2014
: 31/03/2014 to 02/04/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1	Barjal	24/03/2014	Rural	62.0	25.9	4.8	11.3
2	Kishanpura	24/03/2014	Rural	63.7	25.2	6.2	14.9
3	Sangrampura	24/03/2014	Near Core Zone	56.9	23.2	7.7	18.4
4	Anjana	24/03/2014	Rural	60.2	25.5	5.5	17.1
5	Milala	25/03/2014	Rural	55.0	22.1	6.0	14.7
6	Ashoknagar	25/03/2014	Near Core Zone	58.3	23.3	4.6	11.2
7	Deopura	25/03/2014	Rural	58.3	25.1	6.9	13.9
8	Kakrod	25/03/2014	Near Core Zone	56.9	22.0	7.2	15.6
9	Bambola	26/03/2014	Rural	69.2	26.6	7.5	16.2
10	Jina	26/03/2014	Near Core Zone	72.4	27.9	8.2	17.6
11	Danteri	26/03/2014	Rural	68.8	26.3	6.3	18.5
12	Barjal	27/03/2014	Rural	59.7	25.1	5.9	14.8
13	Kishanpura	27/03/2014	Rural	58.2	23.2	7.4	10.1
14	Sangrampura	27/03/2014	Near Core Zone	55.0	22.0	8.0	15.7
15	Anjana	27/03/2014	Rural	61.3	25.9	5.6	12.3
16	Milala	28/03/2014	Rural	58.2	23.5	5.1	15.5
17	Ashoknagar	28/03/2014	Near Core Zone	54.5	21.0	6.3	15.9
18	Deopura	28/03/2014	Rural	59.1	23.7	5.9	9.4
19	Kakrod	28/03/2014	Near Core Zone	53.1	21.9	6.4	14.7
20	Bambola	29/03/2014	Rural	68.9	26.7	7.6	11.6
21	Jina	29/03/2014	Near Core Zone	70.6	23.5	7.9	15.8
22	Danteri	29/03/2014	Rural	65.6	22.9	5.8	13.3

Note: -

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Rajesh Maheshwari
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Kavita Mathur
Quality Manager
(Report No: A/1012)



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Report No
Dated
Issued to
Concerned Mines

TEST REPORT

: A/1013
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 07/04/2014
: 07/04/2014 to 09/04/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1	Barjal	31/03/2014	Rural	60.1	23.4	5.8	12.6
2	Kishanpura	31/03/2014	Rural	63.0	22.9	6.5	14.9
3	Sangrampura	31/03/2014	Near Core Zone	55.9	25.6	5.0	18.5
4	Anjana	31/03/2014	Rural	55.8	23.3	8.2	16.4
5	Milala	01/04/2014	Rural	58.0	17.8	4.5	15.0
6	Ashoknagar	01/04/2014	Near Core Zone	60.8	20.4	5.9	14.2
7	Deopura	01/04/2014	Rural	60.9	25.6	6.8	11.6
8	Kakrod	01/04/2014	Near Core Zone	62.3	26.2	7.2	15.1
9	Bambola	02/04/2014	Rural	67.7	27.9	5.0	14.8
10	Jina	02/04/2014	Near Core Zone	67.2	27.0	6.9	16.0
11	Danteri	02/04/2014	Rural	65.9	25.1	7.7	14.2
12	Barjal	03/04/2014	Rural	58.9	23.6	7.5	13.6
13	Kishanpura	03/04/2014	Rural	55.3	21.8	6.5	15.5
14	Sangrampura	03/04/2014	Near Core Zone	58.6	21.0	6.3	15.6
15	Anjana	03/04/2014	Rural	57.5	25.4	8.6	14.3
16	Milala	04/04/2014	Rural	61.9	21.7	6.5	16.8
17	Ashoknagar	04/04/2014	Near Core Zone	51.3	22.9	7.5	15.5
18	Deopura	04/04/2014	Rural	54.3	23.4	7.5	13.0
19	Kakrod	04/04/2014	Near Core Zone	59.1	22.6	6.0	17.7
20	Bambola	05/04/2014	Rural	53.5	23.5	6.8	11.9
21	Jina	05/04/2014	Near Core Zone	67.6	22.8	7.9	15.0
22	Danteri	05/04/2014	Rural	63.2	24.3	6.0	16.5

Note: -

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Rajesh
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Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No: A/1013)



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E-mail : teamtest@rediffmail.com

Report No
Dated
Issued to
Concerned Mines

TEST REPORT

: A/1014
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 14/04/2014
: 14/04/2014 to 16/04/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1	Barjal	07/04/2014	Rural	63.2	24.0	8.1	18.3
2	Kishanpura	07/04/2014	Rural	58.9	21.5	6.2	15.4
3	Sangrampura	07/04/2014	Near Core Zone	65.3	26.8	7.5	11.5
4	Anjana	07/04/2014	Rural	58.7	22.3	6.9	15.9
5	Milala	08/04/2014	Rural	59.2	27.0	7.8	16.6
6	Ashoknagar	08/04/2014	Near Core Zone	63.6	24.3	10.5	13.9
7	Deopura	08/04/2014	Rural	66.7	25.9	8.5	17.5
8	Kakrod	08/04/2014	Near Core Zone	69.7	23.8	7.5	15.9
9	Bambola	09/04/2014	Rural	63.3	23.1	4.9	12.7
10	Jina	09/04/2014	Near Core Zone	70.7	26.3	7.1	18.2
11	Danteri	09/04/2014	Rural	68.8	29.1	5.8	15.7
12	Barjal	10/04/2014	Rural	65.5	23.6	6.5	14.1
13	Kishanpura	10/04/2014	Rural	67.4	22.1	4.5	16.8
14	Sangrampura	10/04/2014	Near Core Zone	68.9	26.9	8.4	17.9
15	Anjana	10/04/2014	Rural	65.4	28.3	5.0	10.4
16	Milala	11/04/2014	Rural	67.1	23.6	7.3	16.0
17	Ashoknagar	11/04/2014	Near Core Zone	64.9	22.9	5.7	19.5
18	Deopura	11/04/2014	Rural	72.1	21.6	8.0	16.7
19	Kakrod	11/04/2014	Near Core Zone	68.7	26.1	4.1	11.0
20	Bambola	12/04/2014	Rural	65.3	25.7	7.5	15.0
21	Jina	12/04/2014	Near Core Zone	70.1	27.3	5.8	19.0
22	Danteri	12/04/2014	Rural	72.7	28.9	7.7	16.5

Note: -

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Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No: A/1014)



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

NABL RSPCB ISO 9001:2008 OHSAS 18001:2007 JDA/UDH

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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No
Dated
Issued to
Concerned Mines

: A/1015
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat
: S/o Shri Bharat Singh Ranawat
: Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
: District: Rajasamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 21/04/2014
: 21/04/2014 to 23/04/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550

Testing Protocol

: As Per CPCB Guidelines

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1.	Barjal	14/04/2014	Rural	65.7	24.2	4.6	11.5
2.	Kishanpura	14/04/2014	Rural	61.9	23.5	7.9	17.3
3.	Sangrampur	14/04/2014	Near Core Zone	59.3	21.3	8.5	10.2
4.	Anjana	14/04/2014	Rural	74.2	25.0	7.7	16.5
5.	Milala	15/04/2014	Rural	60.1	26.2	8.2	18.4
6.	Ashoknagar	15/04/2014	Near Core Zone	62.5	21.4	5.6	15.6
7.	Deopura	15/04/2014	Rural	56.2	28.5	7.7	13.4
8.	Kakrod	15/04/2014	Near Core Zone	59.4	24.6	9.2	14.5
9.	Bambola	16/04/2014	Rural	66.7	29.3	7.9	16.5
10.	Jina	16/04/2014	Near Core Zone	68.8	30.4	6.6	16.8
11.	Danteri	16/04/2014	Rural	71.3	27.4	5.2	15.8
12.	Barjal	17/04/2014	Rural	60.1	27.7	6.0	12.8
13.	Kishanpura	17/04/2014	Rural	55.9	26.5	8.7	9.6
14.	Sangrampur	17/04/2014	Near Core Zone	57.8	28.8	6.9	16.8
15.	Anjana	17/04/2014	Rural	70.6	29.9	7.9	11.8
16.	Milala	18/04/2014	Rural	65.1	27.2	4.8	14.2
17.	Ashoknagar	18/04/2014	Near Core Zone	68.9	28.9	6.2	15.6
18.	Deopura	18/04/2014	Rural	62.0	26.2	8.5	14.4
19.	Kakrod	18/04/2014	Near Core Zone	67.9	28.0	7.2	18.1
20.	Bambola	19/04/2014	Rural	57.2	29.4	5.1	16.0
21.	Jina	19/04/2014	Near Core Zone	71.0	31.5	7.5	16.6
22.	Danteri	19/04/2014	Rural	74.1	29.7	8.0	12.8

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: A/1015)



TEAM TEST HOUSE

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Report No
Dated
Issued to
Concerned Mines

TEST REPORT

: A/1016
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha,
: Ambient Air Quality Monitoring
: 28/04/2014
: 28/04/2014 to 30/04/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1.	Barjal	21/04/2014	Rural	55.1	27.2	4.8	19.2
2.	Kishanpura	21/04/2014	Rural	62.9	28.9	6.0	14.4
3.	Sangrampura	21/04/2014	Near Core Zone	53.6	29.0	7.2	15.7
4.	Anjana	21/04/2014	Rural	63.9	30.4	8.6	11.1
5.	Milala	22/04/2014	Rural	58.1	24.9	7.0	15.7
6.	Ashoknagar	22/04/2014	Near Core Zone	63.6	25.9	7.5	15.1
7.	Deopura	22/04/2014	Rural	60.1	27.1	5.2	10.3
8.	Kakrod	22/04/2014	Near Core Zone	56.9	26.9	6.5	15.3
9.	Bambola	23/04/2014	Rural	68.8	30.0	8.4	16.8
10.	Jina	23/04/2014	Near Core Zone	70.6	32.7	8.4	18.9
11.	Danteri	23/04/2014	Rural	65.8	29.6	7.6	14.5
12.	Barjal	24/04/2014	Rural	62.0	28.9	7.3	15.5
13.	Kishanpura	24/04/2014	Rural	58.2	27.5	4.7	20.5
14.	Sangrampura	24/04/2014	Near Core Zone	55.6	26.0	7.5	15.2
15.	Anjana	24/04/2014	Rural	58.8	28.6	8.1	16.2
16.	Milala	25/04/2014	Rural	52.6	25.3	6.9	12.9
17.	Ashoknagar	25/04/2014	Near Core Zone	65.9	31.5	8.1	15.0
18.	Deopura	25/04/2014	Rural	59.7	26.8	7.0	15.1
19.	Kakrod	25/04/2014	Near Core Zone	55.4	24.5	6.8	16.2
20.	Bambola	26/04/2014	Rural	68.0	29.5	5.1	14.5
21.	Jina	26/04/2014	Near Core Zone	70.0	32.0	6.9	16.8
22.	Danteri	26/04/2014	Rural	67.9	30.9	7.6	14.5

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Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No: A/1016)



TEAM TEST HOUSE

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RSPCB

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OHSAS 18001:2007

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E-mail : teamtest@rediffmail.com

Report No
Dated
Issued to
Concerned Mines

TEST REPORT

: A/1017
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 05/05/2014
: 05/05/2014 to 08/05/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 350
: As Per CPCB Guidelines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1	Barjal	28/04/2014	Rural	61.3	28.1	8.9	15.6
2	Kishanpura	28/04/2014	Rural	65.3	29.2	6.7	15.2
3	Sangrampura	28/04/2014	Near Core Zone	70.9	32.0	6.2	9.8
4	Anjana	28/04/2014	Rural	58.0	27.2	4.2	14.3
5	Milala	29/04/2014	Rural	60.5	28.9	6.6	15.3
6	Ashoknagar	29/04/2014	Near Core Zone	66.0	25.0	7.7	11.3
7	Deopura	29/04/2014	Rural	71.2	27.0	5.5	14.9
8	Kakrod	29/04/2014	Near Core Zone	70.1	27.6	7.3	15.8
9	Bambola	30/04/2014	Rural	80.8	33.7	6.7	17.5
10	Jina	30/04/2014	Near Core Zone	60.3	27.1	9.6	12.4
11	Danteri	30/04/2014	Rural	73.3	32.5	6.8	15.3
12	Barjal	01/05/2014	Rural	60.5	27.9	6.6	14.8
13	Kishanpura	01/05/2014	Rural	66.3	29.7	5.8	15.8
14	Sangrampura	01/05/2014	Near Core Zone	64.9	28.8	7.3	15.5
15	Anjana	01/05/2014	Rural	61.9	28.8	6.2	15.8
16	Milala	02/05/2014	Rural	65.3	28.0	7.5	15.7
17	Ashoknagar	02/05/2014	Near Core Zone	62.3	29.5	7.7	18.5
18	Deopura	02/05/2014	Rural	61.9	32.8	7.0	14.5
19	Kakrod	02/05/2014	Near Core Zone	68.0	25.9	6.5	15.3
20	Bambola	03/05/2014	Rural	67.3	28.3	6.9	14.7
21	Jina	03/05/2014	Near Core Zone	76.9	30.5	6.1	20.2
22	Danteri	03/05/2014	Rural	77.5	32.9	7.2	15.9

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: A/1017)



TEAM TEST HOUSE

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TEST REPORT

Report No
Dated
Issued to
Concerned Mines

: A/1018
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 12/05/2014
: 12/05/2014 to 15/05/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

: As Per CPCB Guidelines

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1	Barjal	05/05/2014	Rural	64.9	29.2	5.1	10.9
2	Kishanpura	05/05/2014	Rural	59.9	26.6	6.9	15.8
3	Sangrampura	05/05/2014	Near Core Zone	60.6	27.2	6.2	14.9
4	Anjana	05/05/2014	Rural	61.2	27.7	5.9	16.2
5	Milala	06/05/2014	Rural	68.6	31.1	7.3	12.6
6	Ashoknagar	06/05/2014	Near Core Zone	68.9	30.9	6.0	15.3
7	Deopura	06/05/2014	Rural	59.1	27.6	6.9	14.9
8	Kakrod	06/05/2014	Near Core Zone	66.9	30.5	4.7	16.8
9	Bambola	07/05/2014	Rural	65.7	29.3	7.2	13.4
10	Jina	07/05/2014	Near Core Zone	70.5	30.2	7.9	16.4
11	Danteri	07/05/2014	Rural	78.0	33.5	8.6	16.7
12	Barjal	08/05/2014	Rural	60.2	28.9	9.0	16.2
13	Kishanpura	08/05/2014	Rural	65.2	28.2	8.2	15.8
14	Sangrampura	08/05/2014	Near Core Zone	66.8	30.0	7.1	18.9
15	Anjana	08/05/2014	Rural	75.3	33.4	7.3	16.0
16	Milala	09/05/2014	Rural	76.7	33.3	5.2	16.8
17	Ashoknagar	09/05/2014	Near Core Zone	66.5	30.5	7.9	18.3
18	Deopura	09/05/2014	Rural	66.9	31.3	7.3	15.7
19	Kakrod	09/05/2014	Near Core Zone	66.3	30.1	5.0	17.5
20	Bambola	10/05/2014	Rural	68.9	29.6	7.6	17.5
21	Jina	10/05/2014	Near Core Zone	77.3	32.7	6.5	11.2
22	Danteri	10/05/2014	Rural	66.2	31.3	7.2	14.5

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Rajesh Maheshwari
Rajesh Maheshwari
Technical Manager

Kavita Mathur
Kavita Mathur
Quality Manager
(Report No: A/1018)



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

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Tonk Road, JAIPUR-302022 Raj.
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E-mail : teamtest@rediffmail.com

TEST REPORT

: A/1019
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 19/05/2014
: 19/05/2014 to 22/05/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1.	Barjal	12/05/2014	Rural	61.6	26.3	6.9	13.3
2.	Kishanpura	12/05/2014	Rural	68.0	28.9	7.5	15.0
3.	Sangrampur	12/05/2014	Near Core Zone	70.9	31.2	7.2	15.3
4.	Anjana	12/05/2014	Rural	70.6	30.1	4.2	12.7
5.	Milala	13/05/2014	Rural	66.2	30.5	8.2	13.9
6.	Ashoknagar	13/05/2014	Near Core Zone	68.1	28.8	7.3	16.4
7.	Deopura	13/05/2014	Rural	64.3	27.4	5.2	10.1
8.	Kakrod	13/05/2014	Near Core Zone	75.5	29.0	7.6	15.9
9.	Bambola	14/05/2014	Rural	70.0	27.2	7.9	14.9
10.	Jina	14/05/2014	Near Core Zone	70.9	34.5	5.6	15.7
11.	Danteri	14/05/2014	Rural	74.8	31.0	7.0	11.9
12.	Barjal	15/05/2014	Rural	63.5	30.1	5.7	14.6
13.	Kishanpura	15/05/2014	Rural	64.3	27.7	4.9	16.0
14.	Sangrampur	15/05/2014	Near Core Zone	72.9	30.3	6.0	17.3
15.	Anjana	15/05/2014	Rural	65.2	26.6	5.8	13.5
16.	Milala	16/05/2014	Rural	62.0	27.9	5.1	15.0
17.	Ashoknagar	16/05/2014	Near Core Zone	65.6	28.2	7.5	18.
18.	Deopura	16/05/2014	Rural	60.6	26.1	5.8	14.7
19.	Kakrod	16/05/2014	Near Core Zone	64.2	27.3	4.4	14.0
20.	Bambola	17/05/2014	Rural	75.9	30.0	8.4	19.2
21.	Jina	17/05/2014	Near Core Zone	72.7	29.0	7.0	14.3
22.	Danteri	17/05/2014	Rural	78.1	32.2	6.2	15.1

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: A/1019)



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TEST REPORT

: A/1020
: 09/06/2014
: M/s. Apex Mintech Consultants, Udaipur
: Shri Rajendra Singh Ranawat,
: S/o Shri Bharat Singh Ranawat,
: Near village: Lasani to pushalo ka khara, Tehsil: Devgarh,
: District: Rajsamand (Raj.) Area: 339.62 ha.
: Ambient Air Quality Monitoring
: 26/05/2014
: 26/05/2014 to 05/06/2014
: Mr. Ajay & Mr. Gaurav
: 24 Hours
: Respirable Dust Sampler APM 460 BL &
: Fine Particulate Sampler (PM_{2.5}) Model APM 550
: As Per CPCB Guidelines

Report No
Dated
Issued to
Concerned Mines

Type of Sampling
Date of Receipt
Date of Test
Sample Collected by
Duration of Sampling
Sampling Instrument

Testing Protocol

RESULTS

S. No	Location	Date of Sampling Collection	Type of Area	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
1.	Barjal	19/05/2014	Rural	68.9	28.3	5.9	14.0
2.	Kishanpura	19/05/2014	Rural	73.6	30.9	4.6	19.2
3.	Sangrampur	19/05/2014	Near Core Zone	65.0	27.6	7.6	14.4
4.	Anjana	19/05/2014	Rural	72.9	30.3	6.9	14.6
5.	Milala	20/05/2014	Rural	65.3	29.2	8.4	16.7
6.	Ashoknagar	20/05/2014	Near Core Zone	61.3	26.6	6.0	18.5
7.	Deopura	20/05/2014	Rural	65.1	27.5	7.7	16.0
8.	Kakrod	20/05/2014	Near Core Zone	68.1	28.5	5.4	15.6
9.	Bambola	21/05/2014	Rural	75.9	31.4	7.0	13.5
10.	Jina	21/05/2014	Near Core Zone	79.2	31.8	8.6	16.8
11.	Danteri	21/05/2014	Rural	69.5	29.5	6.6	14.2
12.	Barjal	22/05/2014	Rural	65.0	27.5	5.5	11.7
13.	Kishanpura	22/05/2014	Rural	70.8	30.9	7.2	14.8
14.	Sangrampur	22/05/2014	Near Core Zone	68.2	28.2	8.4	16.2
15.	Anjana	22/05/2014	Rural	74.8	30.9	7.0	10.5
16.	Milala	23/05/2014	Rural	62.0	28.2	6.1	15.4
17.	Ashoknagar	23/05/2014	Near Core Zone	64.0	25.3	6.1	14.3
18.	Deopura	23/05/2014	Rural	71.3	30.9	7.6	15.1
19.	Kakrod	23/05/2014	Near Core Zone	67.2	28.9	6.3	17.2
20.	Bambola	24/05/2014	Rural	68.7	32.8	6.2	15.9
21.	Jina	24/05/2014	Near Core Zone	79.3	31.2	8.0	15.0
22.	Danteri	24/05/2014	Rural	65.7	28.2	6.0	13.7

Note :-

- The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No: A/1020)

ANNEXURE-VII



TEAM TEST HOUSE (Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

NABL RSPCB ISO 9001:2008 OHSAS 18001:2007 JDA/UDH

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Ph. : 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
E-mail : teamtest@rediffmail.com

TEST REPORT

Report No : Noise/181
Date : 09/06/2014
Issue to : M/s Apex Mintech Consultants, Udaipur
Concerned Mines : Shri Rajendra Singh Ranawat S/o Shri Bharat Singh Ranawat,
Near village: Lasani to pushalo ka khera, Tehsil: Devgarh,
District: Rajsamand (Raj.) Area: 339.62 ha.
Type of Unit : Mines
Date of Monitoring : 28/04/2014 to 03/05/2014
Date of Receipt : 05/05/2014
Sample Collected By : Mr. Ajay & Mr. Gaurav
Type of Monitoring : Ambient Noise Monitoring
Instrument Used for Noise Monitoring : TES, 1350 Sound Level Meter

RESULTS

S. No.	Point Of Monitoring	Observed Value [in dB (A)] Leq day Time	Observed Value [in dB (A)] Leq Night Time
1.	Lasani (core zone)	46.6	39.2
2.	Bagar village	46.3	39.0
3.	Devgarh	50.7	40.9
4.	Nimjhar village	50.9	42.1
5.	Ralaita village	47.3	40.2

Note: Standard Limits [in dB (A)] Leq:

Category of Area/ Zone	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Note: -

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- The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: Noise/181)