



RAJASTHAN STATE MINES & MINERALS LIMITED

(A Government of Rajasthan Enterprise)

SBU & PC LIGNITE, JAIPUR

Khanij Bhawan, Tilak Marg, C-Scheme, Jaipur-302005

Corporate Office: 4, Meera Marg, Udaipur-303001

Registered Office: C-89-90, Lal Kothi Scheme, Jaipur-302015

Ph. (0141)2227947,2227408,2227360 FAX- 0141-2227761 E-mail jaipur.rsmml@rajasthan.gov.in
CIN-U14109RJ1949SGC000505, Website: www.rsmm.com , GSTIN-08AAACR7857H1Z0

Ref : RSMML/SBU-PC(L)/F.5/VBD/2021-22/690

REGISTERED
Date 06.06.2021

To,

The Director(S),
Ministry of Environment, Forest & Climate Change,
Govt. of India,
Indira Paryavaran Bhawan,
Jor Bagh Road,
New Delhi 110 003 (INDIA)
e-mail- monitoring-ec@nic.in

Sub: Ambient Air quality report, Ambient Noise report and Heavy metals monitoring report for Giral Lignite Mines, Distt. Barmer (Raj.).

Sir,

In compliance of conditions stipulated in the Environmental Clearance vide letter No. J-11015/94/2014-IA.II(M) dated 12th March, 2015 & Project Code- Thermal & Coal; please find enclosed herewith Ambient Air quality report, Ambient Noise report and Heavy metals monitoring report for the period of HE ending Apr'20 - Sep'20 & Oct'20 - Mar'21, in respect of Giral Lignite Mines, Distt Barmer (Rajasthan). There is no ground water intersected by mining activity.

Thanking you,

Yours faithfully,

(Arun Singh)

Head & In-charge (Lignite)
HE & Project Proponent

Encl : As above

- Copy to: 1. The Deputy Director/Scientist-C, Integrated Regional Office (IRO), Ministry of Environment, Forests & Climate Change, Aranya Bhawan, Jhalana Dungri, Jaipur (Raj) e-mail- iro.jaipur-mefcc@gov.in
2. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Dungri, Jaipur, e-mail- member-secretary@rpcb.nic.in
3. Dy. General Manager (System), Corporate Office, Udaipur to upload on RSMML website



(Arun Singh)

Head & In-charge (Lignite)
& Project Proponent
ARUN SINGH
HEAD & IN-CHARGE (LIGNITE)



CIN : U74140RJ1906PTC0011375

Hydrominviron Consultancy Pvt. Ltd.

901/Lab/Lignite/RSMML/2 dated 31.03.2021

TEST REPORT

Name of Client : Rajasthan State Mines & Minerals Limited, Barmer.
Description of Sample : Lignite sample (Giral) (ID: 2020200030062/63)
Sample provided by : Rajasthan State Mines & Minerals Limited, Barmer.
Ref. : RSMM/GLP/Env/2021/613 dated 24.03.2021
Date of Receipt of Sample : 26/03/2021

S. No.	PARAMETER	Unit	ANALYSIS RESULTS	
			Sample 1	Sample 2
1.	Arsenic as As	ppm	2.65	2.41
2.	Mercury as Hg	ppm	BDL	BDL
3.	Chromium as Cr	ppm	61.15	60.43
4.	Cadmium as Cd	ppm	2.55	2.21
5.	Nickel as Ni	ppm	62.14	56.23



Labeh
Scientific Officer

Registered Office : C-57, Shiv Marg, Dundlod Colony, Hawa, Sadak, JAIPUR-302 019 Phone : 0141-221 0341, 221 8832.
Website : www.hydrominviron.com | E-mail : hydrominviron@hotmail.com | hcpl@hydrominviron.com

Testing & Research Division : Plot No. 11, Ratan Industrial Area, Village Marsullya, Tehsil Phagi, District Jaipur-303904



1059/Lab/Air/2020/RSMM, Barmer/16/02.11.2020

TEST REPORT

Name of Party : Rajasthan State Mines & Minerals Ltd.,
Giral Lignite Project, Barmer
Ref. : RSMM/GLP/Env./2020/277-I dated 06.10.2020
Description of Samples : Ambient air samples (ID: HC/AIR/2020100200122-137)
Sample collected by : Rajasthan State Mines & Minerals Ltd.,
Giral Lignite Project, Barmer
Purpose : Analysis of SO₂ & NO_x conc. in given samples
Sample Received on : 15.10.2020

Sample No.	SO ₂ (µg/m ³)	NO _x (µg/m ³)
1	8.3	15.1
2	8.1	14.6
3	8.2	14.0
4	7.9	13.7
5	8.3	13.8
6	8.3	14.0
7	8.0	13.7
8	8.2	14.1

Rahim

Scientific Officer

H. Singh
Dy. Manager (Biology)

Registered Office : C-57, Shiv Marg, Dundlod Colony, Hawa, Sadak, JAIPUR-302 019 Phone : 0141-221 0341, 221 8832
Website : www.hydrominviron.com | E-mail : hydrominviron@hotmail.com | hcpl@hydrominviron.com

Testing & Research Division : Plot No. 11, Ratan Industrial Area, Village Harsuliya, Tehsil Phagi, District Jaipur-303904

Rajasthan State Mines & Minerals Ltd.

Giral lignite Project, Barmer

SPM Sample results for the month of March, 2021

Sample no.	Date	Location	RPM($\mu\text{g}/\text{M}^3$)	SPM($\mu\text{g}/\text{M}^3$)	TSPM ($\mu\text{g}/\text{M}^3$)
1	17.03.2021	Rest Shelter	84.384	105.548	189.932
2	19.03.2021	Rest Shelter	89.166	131.666	220.832
3	22.03.2021	Site Office	66.388	95.833	162.221
4	23.03.2021	Site Office	109.890	133.208	243.098
5	25.03.2021	Weigh Bridge	111.904	141.798	253.702
6	27.03.2021	Weigh Bridge	138.198	149.585	287.783
7	29.03.2021	Mining Area	143.478	160.054	303.532
8	30.03.2021	Mining Area	146.944	167.222	314.166

Dy. Manager (Geology)
Giral lignite Mines, Barmer

Rajasthan State Mines & Minerals Ltd.

Giral lignite Project, Barmer

SPM Sample results for the month of December, 2020

Sample .no.	Date	Location	RPM($\mu\text{g}/\text{M}^3$)	SPM($\mu\text{g}/\text{M}^3$)	TSPM ($\mu\text{g}/\text{M}^3$)
1	16.12.2020	Rest Shelter	63.461	83.791	147.252
2	18.12.2020	Rest Shelter	62.059	101.897	163.956
3	21.12.2020	Site Office	53.113	101.517	154.630
4	23.12.2020	Site Office	94.579	123.577	218.156
5	24.12.2020	Weigh Bridge	108.058	127.681	235.739
6	28.12.2020	Weigh Bridge	119.687	152.786	272.473
7	29.12.2020	Mining Area	137.228	165.907	303.135
8	30.12.2020	Mining Area	140.502	166.928	307.430

Dy. Manager (Geology)
Giral lignite Mines, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of March- 2021

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	22.03.2021	Site office (in side)	27.0	31.6	
2	22.03.2021	Site office (Out Side)	29.1	33.3	
3	22.03.2021	Thumbli village	27.2	32.5	
4	22.03.2021	Weigh bridge(in side)	38.0	42.6	Trucks are in operation for weighing
5	22.03.2021	Weigh bridge(Outside)	39.4	44.8	"
6	22.03.2021	Mining camp.	27.1	32.5	
7	22.03.2021	Plantation area	26.7	30.0	
8	22.03.2021	Rest shelter	26.5	31.2	
9	22.03.2021	R-29 (In Side cabin)	49.2	53.4	Volvo EC-480 DL is in operation for O/B loading
10	22.03.2021	R-29 (Out Side cabin)	59.6	64.5	"
11	22.03.2021	R-29 (In Side cabin)	49.5	54.1	Kobelco SK 210 HD LC is in operation for Lignite loading
12	22.03.2021	R-29 (Out Side cabin)	59.0	63.7	"
13	22.03.2021	MT-47 (In Side cabin)	50.1	55.2	Volvo EC-290 BLC is in operation for Lignite loading
14	22.03.2021	MT-47(Out Side cabin)	59.7	64.4	"
15	22.03.2021	MT-47 (In Side cabin)	49.2	54.0	Kobelco SK 210 HD LC is in operation for I/B loading
16	22.03.2021	MT-47(Out Side cabin)	59.3	64.7	"
17	22.03.2021	R-84 (In Side cabin)	50.2	55.1	Volvo EC-290 BLC is in operation for O/B loading
18	22.03.2021	R-84 (Out Side cabin)	59.5	64.0	"
19	22.03.2021	R-84 (In Side cabin)	49.6	54.2	Volvo EC-480 DL is in operation for O/B loading
20	22.03.2021	R-84 (Out Side cabin)	59.0	64.5	"
21	22.03.2021	Back fill area	46.2	50.6	Dumpers are in operation for O/B unloading
22	22.03.2021	Haul road	47.3	51.5	Trucks are crossing with lignite.
23	22.03.2021	Giral village	26.2	31.7	

(Signature)

Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit - Giral Lignite Project, Barmer

Sound Monitoring record for the month of Feb - 2021

Sl. no.	Date	Locations	dB		Remarks
			Min	Max	
1	23.02.2021	Site office (in side)	26.5	30.8	
2	23.02.2021	Site office (Out Side)	28.2	32.7	
3	23.02.2021	Thumbli village	26.9	31.0	
4	23.02.2021	Weigh bridge(in side)	37.1	42.2	Trucks are in operation for weighing
5	23.02.2021	Weigh bridge(Outside)	38.3	43.7	"
6	23.02.2021	Mining camp	26.2	31.1	
7	23.02.2021	Plantation area	26.0	30.7	
8	23.02.2021	Rest shelter	25.3	30.0	
9	23.02.2021	R-29(In Side cabin)	50.1	54.3	Volvo EC-480 DL is in operation for O/B loading
10	23.02.2021	R-29(Out Side cabin)	58.2	63.7	"
11	23.02.2021	R-29(In Side cabin)	50.3	55.0	Volvo EC-480 DL is in operation for O/B loading
12	23.02.2021	R-29(Out Side cabin)	59.6	64.3	"
13	23.02.2021	R-86 (In Side cabin)	50.4	54.1	Kobelco SK 210 HD LC is in operation for Lignite loading
14	23.02.2021	R-86 (Out Side cabin)	60.1	65.0	"
15	23.02.2021	MT-47 (In Side cabin)	48.5	53.5	Kobelco SK 210 HD LC is in operation for I/B loading
16	23.02.2021	MT-47(Out Side cabin)	58.0	63.4	"
17	23.02.2021	R-84 (In Side cabin)	49.5	54.2	Volvo EC-290 BLC is in operation for Lignite loading
18	23.02.2021	R-84 (Out Side cabin)	59.1	64.4	"
19	23.02.2021	R-84(In Side cabin)	50.0	55.3	Volvo EC-480 DL is in operation for O/B loading
20	23.02.2021	R-84(Out Side cabin)	59.5	64.0	"
21	23.02.2021	Back fill area	45.7	49.9	Dumpers are in operation for O/B unloading
22	23.02.2021	Haul road	46.1	50.0	Trucks are crossing with lignite.
23	23.02.2021	Giral village	25.6	30.8	

V. Singh

Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.
Unit: Giral Lignite Project, Barmer
Sound Monitoring record for the month of Dec. - 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	22.12.2020	Site office (in side)	28.0	32.2	
2	22.12.2020	Site office (Out Side)	29.5	33.4	
3	22.12.2020	Thumbli village	27.6	32.0	
4	22.12.2020	Weigh bridge(in side)	37.3	41.7	Trucks are in operation for weighing.
5	22.12.2020	Weigh bridge(Outside)	39.0	44.2	"
6	22.12.2020	Mining camp	27.1	31.4	
7	22.12.2020	Plantation area	26.5	30.7	
8	22.12.2020	Rest shelter	26.6	30.8	
9	22.12.2020	MT-47(In Side cabin)	50.1	54.5	Volvo EC-480 DL is in operation for O/B loading
10	22.12.2020	MT-47(Out Side cabin)	58.2	63.6	"
11	22.12.2020	MT-47(In Side cabin)	50.2	55.8	Volvo EC-290 BLC is in operation for Lignite loading
12	22.12.2020	MT-47(Out Side cabin)	58.1	64.3	"
13	22.12.2020	R-86(In Side cabin)	50.3	54.5	Volvo EC-480 DL is in operation for O/B loading
14	22.12.2020	R-86(Out Side cabin)	60.2	65.1	"
15	22.12.2020	R-73 (In Side cabin)	49.4	54.7	Kobelco SK 210 HD LC is in operation for Lignite loading
16	22.12.2020	R-73 (Out Side cabin)	59.0	64.3	"
17	22.12.2020	R-73 (In Side cabin)	49.6	54.2	Volvo EC-290 BLC is in operation for I/B loading
18	22.12.2020	R-73 (Out Side cabin)	58.7	63.5	"
19	22.12.2020	R-86(In Side cabin)	49.2	54.1	Volvo EC-480 DL is in operation for O/B loading
20	22.12.2020	R-86(Out Side cabin)	58.3	63.7	"
21	22.12.2020	Back fill area	45.6	49.8	Dumpers are in operation for O/B unloading
22	22.12.2020	Haul road	46.7	50.0	Trucks are crossing with lignite.
23	22.12.2020	Giral village	26.3	30.2	

Manoj
Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit, Giral Lignite Project, Barmer

Sound Monitoring record for the month of Dec. - 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max	
1	22.12.2020	Site office (in side)	28.0	32.2	
2	22.12.2020	Site office (Out Side)	29.5	33.4	
3	22.12.2020	Thumbli village	27.6	32.0	
4	22.12.2020	Weigh bridge(in side)	37.3	41.7	Trucks are in operation for weighing
5	22.12.2020	Weigh bridge(Outside)	39.0	44.2	"
6	22.12.2020	Mining camp	27.1	31.4	
7	22.12.2020	Plantation area	26.5	30.7	
8	22.12.2020	Rest shelter	26.6	30.8	
9	22.12.2020	MT-47(In Side cabin)	50.1	54.5	Volvo EC-480 DL is in operation for O/B loading
10	22.12.2020	MT-47(Out Side cabin)	58.2	63.6	"
11	22.12.2020	MT-47(In Side cabin)	50.2	55.8	Volvo EC-290 BLC is in operation for Lignite loading
12	22.12.2020	MT-47(Out Side cabin)	58.1	64.3	"
13	22.12.2020	R-86(In Side cabin)	50.3	54.5	Volvo EC-480 DL is in operation for O/B loading
14	22.12.2020	R-86(Out Side cabin)	60.2	65.1	"
15	22.12.2020	R-73 (In Side cabin)	49.4	54.7	Kobelco SK 210 HD LC is in operation for Lignite loading
16	22.12.2020	R-73 (Out Side cabin)	59.0	64.3	"
17	22.12.2020	R-73 (In Side cabin)	49.6	54.2	Volvo EC-290 BLC is in operation for I/B loading
18	22.12.2020	R-73 (Out Side cabin)	58.7	63.5	"
19	22.12.2020	R-86(In Side cabin)	49.2	54.1	Volvo EC-480 DL is in operation for O/B loading
20	22.12.2020	R-86(Out Side cabin)	58.3	63.7	"
21	22.12.2020	Back fill area	45.6	49.8	Dumpers are in operation for O/B unloading
22	22.12.2020	Haul road	46.7	50.0	Trucks are crossing with lignite
23	22.12.2020	Giral village	26.3	30.2	

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Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

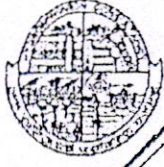
Unit, Giral Lignite Project, Barmer

Sound Monitoring record for the month of Oct - 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	16.10.2020	Site office (In side)	26.7	31.0	
2	16.10.2020	Site office (Out Side)	27.2	32.5	
3	16.10.2020	Thumbli village	25.5	30.3	
4	16.10.2020	Weigh bridge(in side)	35.0	39.4	Trucks are in operation for weighing
5	16.10.2020	Weigh bridge(Outside)	37.3	42.5	"
6	16.10.2020	Mining camp	25.2	30.1	
7	16.10.2020	Plantation area	25.6	29.7	
8	16.10.2020	Rest shelter	26.2	30.1	
9	16.10.2020	MT-35(In Side cabin)	50.1	54.4	Volvo EC-480 DL is in operation for O/B loading
10	16.10.2020	MT-35(Out Side cabin)	58.2	63.6	"
11	16.10.2020	MT-35(In Side cabin)	49.4	54.2	Volvo EC-480 DL is in operation for O/B loading
12	16.10.2020	MT-35(Out Side cabin)	58.3	63.4	"
13	16.10.2020	R-86(In Side cabin)	48.1	53.0	Volvo EC-290 BLC is in operation for O/B loading
14	16.10.2020	R-86(Out Side cabin)	58.8	64.1	"
15	16.10.2020	R-73 (In Side cabin)	50.2	55.0	Kobelco SK 210 HD LC is in operation for I Lignite loading
16	16.10.2020	R-73 (Out Side cabin)	59.3	64.6	"
17	16.10.2020	MT-47(In Side cabin)	49.5	53.8	Volvo EC-290 BLC is in operation for I/B loading
18	16.10.2020	MT-47(Out Side cabin)	59.4	64.0	"
19	16.10.2020	MT-47(In Side cabin)	50.3	55.1	Kobelco SK 210 HD LC is in operation for Lignite loading
20	16.10.2020	MT-47(Out Side cabin)	59.5	64.2	"
21	16.10.2020	Back fill area	45.0	49.1	Dumpers are in operation for O/B unloading
22	16.10.2020	Haul road	46.5	51.2	Trucks are crossing with lignite.
23	16.10.2020	Giral village	26.7	30.6	

(Signature)

Dy. Manager (Geology)
GLP, Barmer



CIN : U74140RJ1996PTC0011375

Hydrominviron Consultancy Pvt. Ltd.

822/Lab/Air/2020/RSM, Barmer/16/11.05.2020

TEST REPORT

Name of Party : Rajasthan State Mines & Minerals Ltd.,
Giral Lignite Project, Barmer

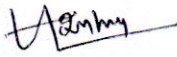
Ref. : RSM/SLP/Env./2020/7-I dated 23.04.2020

Description of Samples : Ambient air samples (ID:
Sample collected by : Rajasthan State Mines & Minerals Ltd.,
Giral Lignite Project, Barmer

Purpose : Analysis of SO₂ & NO_x conc. in given samples

Sample Received on : 08.05.2020

Sample No.	SO ₂ (µg/m ³)	NO _x (µg/m ³)
1	7.8	14.1
2	8.0	14.3
3	7.9	13.6
4	7.8	13.9
5	8.1	13.4
6	8.4	13.1
7	7.7	12.9
8	8.1	13.6


Dy. Manager (Barmer)



(P. N. Bhargava)

Rajasthan State Mines & Minerals Ltd.

Giral lignite Project, Barmer

SPM Sample results for the month of September, 2020

Sample .no.	Date	Location	RPM($\mu\text{g}/\text{M}^3$)	SPM($\mu\text{g}/\text{M}^3$)	TSPM ($\mu\text{g}/\text{M}^3$)
1	04.9.2020	Rest Shelter	60.862	87.630	148.492
2	07.9.2020	Rest Shelter	88.186	109.340	197.526
3	09.9.2020	Site Office	63.414	102.168	165.582
4	11.9.2020	Site Office	107.588	113.550	221.138
5	14.9.2020	Weigh Bridge	113.742	133.040	246.782
6	16.9.2020	Weigh Bridge	118.518	165.157	283.675
7	17.9.2020	Mining Area	131.469	159.937	291.406
8	19.9.2020	Mining Area	133.192	170.528	303.720

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Dy. Manager (Geology)
Giral lignite Mines, Barmer

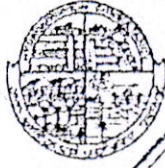
Rajasthan State Mines & Minerals Ltd.

Giral lignite Project, Barmer

SPM Sample results for the month of June, 2020

Sample .no.	Date	Location	RPM($\mu\text{g}/\text{M}^3$)	SPM($\mu\text{g}/\text{M}^3$)	TSPM ($\mu\text{g}/\text{M}^3$)
1	5.06.2020	Rest Shelter	79.945	86.178	166.123
2	8.06.2020	Rest Shelter	104.261	127.847	232.108
3	10.06.2020	Site Office	64.198	88.201	152.399
4	11.06.2020	Site Office	113.611	124.444	238.055
5	13.06.2020	Weigh Bridge	110.027	147.425	257.452
6	15.06.2020	Weigh Bridge	117.269	163.587	280.856
7	16.06.2020	Mining Area	140.606	169.733	310.339
8	17.06.2020	Mining Area	145.445	173.136	318.581

Dy. Manager (Geology)
Giral lignite Mines, Barmer



CIN : U74140RJ1996FTC0011375

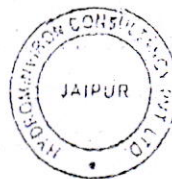
Hydrominiron Consultancy Pvt. Ltd.

827/Lab/Lignite/RSMML/2 dated 12.06.2020

TEST REPORT

Name of Client : Rajasthan State Mines & Minerals Limited, Barmer.
Description of Sample : Lignite sample (Giral) (ID: 2020200030034/35)
Sample provided by : Rajasthan State Mines & Minerals Limited, Barmer.
Ref. : RSMM/GLP/Env/2020/457 dated 21.03.2020
Date of Receipt of Sample : 20/05/2020

S. No.	PARAMETER	Unit	ANALYSIS RESULTS	
			Sample 1	Sample 2
1.	Arsenic as As	ppm	3.49	2.45
2.	Mercury as Hg	ppm	BDL	BDL
3.	Chromium as Cr	ppm	66.81	62.70
4.	Cadmium as Cd	ppm	3.16	2.16
5.	Nickel as Ni	ppm	85.65	61.34



Rishu
Scientific Officer

Registered Office : C-57, Shiv Marg, Dundlod Colony, Hawa, Sadak, JAIPUR-302 019 Phone : 0141-221 0341, 221 8832
Website : www.hydrominiron.com | E-mail : hydrominiron@hotmail.com | hcpl@hydrominiron.com

Testing & Research Division : Plot No. 11, Ratan Industrial Area, Village Harsuliya, Tehsil Phagi, District Jaipur-303904

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of September- 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	18.09.2020	Site office (in side)	27.0	31.4	
2	18.09.2020	Site office (Out Side)	27.5	32.1	
3	18.09.2020	Thumbli village	26.0	30.5	
4	18.09.2020	Weigh bridge(in side)	36.5	40.3	Trucks are in operation for weighing.
5	18.09.2020	Weigh bridge(Outside)	38.7	43.5	"
6	18.09.2020	Mining camp.	26.1	30.6	
7	18.09.2020	Plantation area	26.4	30.2	
8	18.09.2020	Rest shelter	27.5	32.7	
9	18.09.2020	MT-35(In Side cabin)	51.2	55.3	Volvo EC-480 DL is in operation for O/B loading
10	18.09.2020	MT-35(Out Side cabin)	60.0	65.6	"
11	18.09.2020	MT-35(In Side cabin)	48.3	53.7	Kobelco SK 210 HD LC is in operation for Lignite loading
12	18.09.2020	MT-35(Out Side cabin)	57.4	62.1	"
13	18.09.2020	R-86(In Side cabin)	47.6	52.8	Volvo EC-290 BLC is in operation for Lignite loading
14	18.09.2020	R-86(Out Side cabin)	58.0	63.5	"
15	18.09.2020	R-86(In Side cabin)	50.3	54.2	Kobelco SK 210 HD LC is in operation for I/B loading
16	18.09.2020	R-86(Out Side cabin)	58.5	63.4	"
17	18.09.2020	R-73(In Side cabin)	50.6	55.2	Volvo EC-480 DL is in operation for O/B loading
18	18.09.2020	R-73(Out Side cabin)	59.0	64.5	"
19	18.09.2020	MT-47(In Side cabin)	49.2	54.4	Kobelco SK 210 HD LC is in operation for Lignite loading
20	18.09.2020	MT-47(Out Side cabin)	58.0	63.6	"
21	18.09.2020	Back fill area	46.1	50.7	Dumpers are in operation for O/B unloading
22	18.09.2020	Haul road	47.8	51.0	Trucks are crossing with lignite.
23	18.09.2020	Giral village	27.1	31.2	

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Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of August- 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	27.08.2020	Site office (in side)	27.5	32.5	
2	27.08.2020	Site office (Out Side)	28.6	33.4	
3	27.08.2020	Thumbli village	26.4	31.8	
4	27.08.2020	Weigh bridge(in side)	39.0	43.5	Trucks are in operation for weighing.
5	27.08.2020	Weigh bridge(Outside)	40.1	45.3	"
6	27.08.2020	Mining camp.	27.0	31.7	
7	27.08.2020	Plantation area	28.6	32.0	
8	27.08.2020	Rest shelter	27.3	31.5	
9	27.08.2020	MT-35(In Side cabin)	50.1	54.6	Volvo EC-480 DL is in operation for O/B loading
10	27.08.2020	MT-35(Out Side cabin)	60.3	65.2	"
11	27.08.2020	MT-35(In Side cabin)	49.4	54.1	Volvo EC-480 DL is in operation for O/B loading
12	27.08.2020	MT-35(Out Side cabin)	59.6	64.0	"
13	27.08.2020	R-73(In Side cabin)	48.3	53.2	Volvo EC-290 BLC is in operation for I/B loading
14	27.08.2020	R-73(Out Side cabin)	58.6	63.3	"
15	27.08.2020	R-86(In Side cabin)	50.0	55.4	Volvo EC-480 DL is in operation for O/B loading
16	27.08.2020	R-86(Out Side cabin)	59.8	64.3	"
17	27.08.2020	R-73(In Side cabin)	49.5	54.0	Volvo EC-480 DL is in operation for O/B loading
18	27.08.2020	R-73(Out Side cabin)	59.2	63.7	"
19	27.08.2020	MT-47(In Side cabin)	49.8	54.1	Kobelco SK 210 HD LC is in operation for Lignite loading
20	27.08.2020	MT-47(Out Side cabin)	58.4	63.0	"
21	27.08.2020	Back fill area	47.0	51.6	Dumpers are in operation for O/B unloading
22	27.08.2020	Haul road	48.2	52.5	Trucks are crossing with lignite.
23	27.08.2020	Giral village	27.6	31.8	

Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of July- 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	22.07.2020	Site office (in side)	27.9	31.8	
2	22.07.2020	Site office (Out Side)	29.5	33.7	
3	22.07.2020	Thumbli village	27.0	32.2	
4	22.07.2020	Weigh bridge(in side)	38.6	43.4	Trucks are in operation for weighing.
5	22.07.2020	Weigh bridge(Outside)	39.0	44.3	"
6	22.07.2020	Mining camp.	29.1	33.0	
7	22.07.2020	Plantation area	27.7	32.4	
8	22.07.2020	Rest shelter	28.0	33.2	
9	22.07.2020	R-73(In Side cabin)	49.3	54.7	Volvo EC-480 DL is in operation for O/B loading
10	22.07.2020	R-73(Out Side cabin)	58.6	63.0	"
11	22.07.2020	MT-35(In Side cabin)	50.3	55.6	Volvo EC-480 DL is in operation for O/B loading
12	22.07.2020	MT-35(Out Side cabin)	59.0	64.4	"
13	22.07.2020	R-73(In Side cabin)	51.2	55.7	Volvo EC-480 DL is in operation for O/B loading
14	22.07.2020	R-73(Out Side cabin)	60.3	65.6	"
15	22.07.2020	R-86(In Side cabin)	50.5	54.8	Volvo EC-480 DL is in operation for O/B loading
16	22.07.2020	R-86(Out Side cabin)	60.1	65.0	"
17	22.07.2020	MT-47(In Side cabin)	48.7	53.3	Kobelco SK 210 HD LC is in operation for Lignite loading
18	22.07.2020	MT-47(Out Side cabin)	57.6	62.2	"
19	22.07.2020	MT-47(In Side cabin)	48.6	53.5	Volvo EC-290 BLC is in operation for I/B loading
20	22.07.2020	MT-47(Out Side cabin)	59.0	63.4	"
21	22.07.2020	Back fill area	45.8	50.2	Dumpers are in operation for O/B unloading
22	22.07.2020	Haul road	47.5	51.3	Trucks are crossing with lignite.
23	22.07.2020	Giral village	28.0	33.4	

H. S. M.

Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of June- 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	12.06.2020	Site office (in side)	29.3	34.6	
2	12.06.2020	Site office (Out Side)	30.4	35.0	
3	12.06.2020	Thumbli village	26.6	31.3	
4	12.06.2020	Weigh bridge(in side)	37.5	42.0	Trucks are in operation for weighing.
5	12.06.2020	Weigh bridge(Outside)	38.8	43.5	"
6	12.06.2020	Mining camp.	28.0	32.6	
7	12.06.2020	Plantation area	28.3	31.8	
8	12.06.2020	Rest shelter	27.9	32.0	
9	12.06.2020	R-73(In Side cabin)	50.2	55.6	Volvo EC-480 DL is in operation for O/B loading
10	12.06.2020	R-73(Out Side cabin)	60.3	65.2	"
11	12.06.2020	R-25(In Side cabin)	49.0	54.3	Volvo EC-290 BLC is in operation for Lignite loading
12	12.06.2020	R-25(Out Side cabin)	59.3	64.0	"
13	12.06.2020	R-86(In Side cabin)	50.4	55.8	Volvo EC-480 DL is in operation for O/B loading
14	12.06.2020	R-86(Out Side cabin)	59.5	64.5	"
15	12.06.2020	R-86(In Side cabin)	49.8	54.2	Volvo EC-480 DL is in operation for O/B loading
16	12.06.2020	R-86(Out Side cabin)	60.0	64.7	"
17	12.06.2020	MT-47(In Side cabin)	50.3	54.1	Kobelco SK 210 HD LC is in operation for I/B loading
18	12.06.2020	MT-47(Out Side cabin)	60.2	64.5	"
19	12.06.2020	MT-47(In Side cabin)	49.0	54.3	Kobelco SK 210 HD LC is in operation for Lignite loading
20	12.06.2020	MT-47(Out Side cabin)	59.4	64.0	"
21	12.06.2020	Back fill area	47.5	52.1	Dumpers are in operation for O/B unloading
22	12.06.2020	Haul road	48.0	53.0	Trucks are crossing with lignite.
23	12.06.2020	Giral village	28.1	32.5	

H. Singh

Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of May- 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	20.05.2020	Site office (in side)	29.7	33.0	
2	20.05.2020	Site office (Out Side)	30.1	34.4	
3	20.05.2020	Thumbli village	27.2	32.5	
4	20.05.2020	Weigh bridge(in side)	38.0	42.6	Trucks are in operation for weighing.
5	20.05.2020	Weigh bridge(Outside)	39.7	45.0	"
6	20.05.2020	Mining camp.	27.4	31.5	
7	20.05.2020	Plantation area	26.2	30.7	
8	20.05.2020	Rest shelter	28.1	32.6	
9	20.05.2020	R-25(In Side cabin)	48.2	53.0	Kobelco SK 210 HD LC is in operation for Lignite loading
10	20.05.2020	R-25(Out Side cabin)	57.4	61.5	"
11	20.05.2020	R-25(In Side cabin)	50.5	54.6	Volvo EC-290 BLC is in operation for I/B loading
12	20.05.2020	R-25(Out Side cabin)	60.0	64.7	"
13	20.05.2020	R-86(In Side cabin)	49.2	54.5	Volvo EC-480 DL is in operation for O/B loading
14	20.05.2020	R-86(Out Side cabin)	58.7	63.9	"
15	20.05.2020	R-86(In Side cabin)	50.0	55.1	Volvo EC-480 DL is in operation for O/B loading
16	20.05.2020	R-86(Out Side cabin)	60.3	65.2	"
17	20.05.2020	MT-47(In Side cabin)	48.3	54.7	Kobelco SK 210 HD LC is in operation for OB loading
18	20.05.2020	MT-47(Out Side cabin)	58.0	63.2	"
19	20.05.2020	MT-47(In Side cabin)	48.7	54.0	Kobelco SK 210 HD LC is in operation for OB loading
20	20.05.2020	MT-47(Out Side cabin)	59.4	64.3	"
21	20.05.2020	Back fill area	46.2	51.0	Dumpers are in operation for O/B unloading
22	20.05.2020	Haul road	47.3	52.5	Trucks are crossing with lignite.
23	20.05.2020	Giral village	27.0	32.4	

Dy. Manager (Geology)
GLP, Barmer

Rajasthan State Mines & Minerals Ltd.

Unit: Giral Lignite Project, Barmer

Sound Monitoring record for the month of April- 2020

Sl. no.	Date	Locations	dB		Remarks
			Min.	Max.	
1	24.04.2020	Site office (in side)	28.4	32.5	
2	24.04.2020	Site office (Out Side)	29.0	33.7	
3	24.04.2020	Thumbli village	26.1	31.2	
4	24.04.2020	Weigh bridge(in side)	37.2	41.7	Trucks are in operation for weighing.
5	24.04.2020	Weigh bridge(Outside)	39.6	44.5	"
6	24.04.2020	Mining camp.	26.3	30.4	
7	24.04.2020	Plantation area	25.1	29.6	
8	24.04.2020	Rest shelter	27.0	31.8	
9	24.04.2020	R-25(In Side cabin)	50.0	54.3	Volvo EC-290 BLC is in operation for Lignite loading
10	24.04.2020	R-25(Out Side cabin)	59.7	63.4	"
11	24.04.2020	R-86(In Side cabin)	51.2	55.7	Volvo EC-480 DL is in operation for O/B loading
12	24.04.2020	R-86(Out Side cabin)	59.6	64.1	"
13	24.04.2020	R-86(In Side cabin)	48.0	52.9	Volvo EC-480 DL is in operation for O/B loading
14	24.04.2020	R-86(Out Side cabin)	56.3	61.0	"
15	24.04.2020	MT-47(In Side cabin)	50.1	54.2	Volvo EC-480 DL is in operation for O/B loading
16	24.04.2020	MT-47(Out Side cabin)	58.2	63.3	"
17	24.04.2020	MT-47(In Side cabin)	49.0	53.5	Kobelco SK 210 HD LC is in operation for OB loading
18	24.04.2020	MT-47(Out Side cabin)	58.7	63.4	"
19	24.04.2020	R-25(in side cabin)	50.2	54.3	Kobelco SK 210 HD LC is in operation for Lignite loading
20	24.04.2020	R-25(Out Side cabin)	59.3	63.6	"
21	24.04.2020	Back fill area	45.3	50.2	Dumpers are in operation for O/B unloading
22	24.04.2020	Haul road	47.1	51.4	Trucks are crossing with lignite.
23	24.04.2020	Giral village	26.2	31.3	

Dy. Manager (Geology)
GLP, Barmer