

Annexure – I

Compliance report for MOEF conditions stipulated in Environmental Clearance (dt. 20-07-2007 as amended on 19-11-2009) for 1080 MW Lignite-based power project of RWPL at Village-Bhadresh, District-Barmer

Reporting Period: APR, 2018 – SEP, 2018

S.N.	Condition	Status
i	<i>No land in excess of 468 ha shall be acquired for any activity of the project.</i>	Land acquisition has been carried at the time of setting up the Power Project. No additional land been acquired for this Project.
ii	<i>The water requirement for the project shall not exceed 37.3 cusecs. No ground water shall be abstracted for any activity of the project.</i>	Water in excess of the mandated 37.3 cusecs would not be drawn during the operation of the Project. IGNP supplied water is being used for generation of Electricity as per EC conditions. Water being used Records of Water received from IGNP is enclosed. ANNEXURE-I
iii	<i>Closed Circuit Cooling System with induced draft cooling towers shall be installed.</i>	Four numbers of closed circuit cooling tower blocks with induced draft cooling towers have been erected and are in operation.
iv	<i>Treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. No effluents shall be discharged outside the plant boundary.</i>	A common ETP (Aeration – Clarifier – Filtration – Ultra Filtration – Reverse Osmosis) to cater to all the 8 power generating units has erected. All the process effluents generated is being treated in this ETP and reused within the plant ensuring zero discharge outside the plant boundary. Effluent Water Quality Data – Annexure – II
v	<i>Lignite with ash content not exceeding 20% and sulphur content not exceeding 2.0% shall be used.</i>	Lignite with ash content less than 20% and Sulphur content less than 2% being used. Third party analysis reports for the same are enclosed. ANNEXURE-III

<p>vi</p>	<p><i>Space provision for FGD shall be made, if required at a later stage.</i></p>	<p>The Project is based on Circulating Fluidized Base Combustion technology for fuel firing and involves injection of lime, which absorbs Sulphur.</p> <p>As such, there is no requirement for FGD. However space provision has been made for FGD.</p>
<p>vii</p>	<p><i>Four stacks of 122 m height each with exit velocity of at least 20 m/s shall be provided with continuous online monitoring system.</i></p>	<p>A total of four bi-flue stacks, each flue of 122 m height, shall release the flue gases to the atmosphere. All these stacks being equipped with Continuous Emission Monitoring Systems (CEMS), to ensure the emission of PM, SO₂, NO_x & CO to be within prescribed levels. ANNEXURE-IV</p>
<p>viii</p>	<p><i>Low NOx burners shall be installed.</i></p>	<p>The boiler is designed on Circulating Fluidized Bed Combustion, system attains to very low NO_x generation.</p>
<p>ix</p>	<p><i>High efficiency Electrostatic Precipitator (ESPs) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 100 mg/Nm³.</i></p>	<p>High efficiency ESPs are installed to maintain PM emission levels at less than 100 mg/Nm³.</p>
<p>xi</p>	<p><i>Fly ash shall be collected in dry form and its 100% utilization shall be ensured within 3 years from the day of the commissioning of the plant. Ash to be disposed off in the ash pond shall be through HCSD system.</i></p>	<p>Fly ash is being collected in dry form from the currently operational EIGHT Units and is being lifted by M/s Shree Cement, M/s. JK Lakshmi, M/s. Ambuja Cement Limited & M/s Binani Cements and many Local Brick and Tiles Block manufacturer. Unutilized ash, if any, would be disposed off to the emergency ash pond through HCSD system.</p> <p>Ash Utilisation data ANNEXURE-V</p>
<p>xii</p>	<p><i>Ash pond shall be lined with 0.5 mm thick HDPE geo-membrane lining.</i></p>	<p>The ash pond is lined with 0.5 mm thick HDPE geo-membrane, to avoid any leachate to the ground.</p>

xiii	<i>Details of compensation to be paid to the land oustees along with number of land oustees shall be worked out and submitted to this Ministry within three months from the date of issue of this letter or before the start of work on the project whichever is earlier.</i>	Resettlement Action Plan (RAP) was compiled and submitted to the MOEF on 30-07-2007.
xiv	<i>Necessary prior clearance from NHAI shall be obtained before laying the pipeline.</i>	All necessary prior clearance from NHAI had obtained before laying the pipeline and a copy Submitted.
xv	<i>Necessary prior clearance from Indian Air Force shall be obtained for construction of stacks of requisite height before starting the work on the project.</i>	Before commencing the civil work on the stacks, necessary clearance had obtained from the Indian Air Force.
xvi	<i>Adequate measures shall be taken up to maintain the sanctity and protection from any adverse impact from the proposed power project to the temple of Sant Ishardas Samadhi.</i>	<p>The Temple is outside the plant premises.</p> <p>In consultation with the local population, suitable developmental measures such as supply of lighting and electricity have been taken for this temple.</p>
xvii	<i>Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.</i>	There is hardly any ground water within 20 km of the Project area.
xviii	<i>Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.</i>	The machinery has been designed to limit the noise levels to 75 dB (A). All personnel working in the Plant have PPEs issued. ANNEXURE-VI
xix	<i>A greenbelt shall be developed all around the plant boundary and ash pond covering an area of 154 ha.</i>	A total of 154 Ha area brought under green belt developed as designated greenbelt area. Mortality replacement work is continuous process and is being carried.
xx	<i>Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be finalized in consultation with SPCB. Six monthly reports shall be submitted to this Ministry.</i>	Regular monitoring of AAQ is being carried out in and around the power plant at locations and frequency finalized in consultation with the RSPCB and records are maintained. ANNEXURE-VII

xxi	<i>For controlling fugitive dust, regular sprinkling of water in lignite handling area and other vulnerable areas of the plant shall be ensured.</i>	Regular sprinkling of water is being practiced to minimise the fugitive dust emissions.
xxii	<i>The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the http://envfor.nic.in.</i>	Published in Rajasthan Patrika Jodhpur Edition, Dt 19/08/2007
xxiii	<i>A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.</i>	A dedicated environment monitoring cell with qualified staff has been established and is operative.
xxiv	<i>Half yearly report on the status of implementation of the conditions and environmental safeguards should be submitted to this Ministry, its Regional Office, CPCB and SPCB.</i>	Being complied with. Copy of Submission enclosed – Annexure VIII
xxv	<i>Regional Office of the Ministry of Environment & Forests located at Lucknow will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Management Plan along with additional information submitted to this Ministry should be forwarded to the Regional Office for their use during monitoring.</i>	Submitted.
xxvi	<i>Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.</i>	The funds earmarked for environmental protection measures will not be diverted for other purposes.
xxvii	<i>Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Lucknow /the CPCB/the SPCB during monitoring of the project.</i>	Being complied.

ANNEXURE-IIGNP WATER BILL

APR, 2018 – SEP, 2018

Month	Cuft/Month	Cum/Month	Cuft/day	Cusecs – Day
April	46009252.4	1302844	1533642	17.8
May	53248013.6	1507824	1717677.9	20.5
June	65886216.8	1865700	2196207.2	25.4
July	68778896.1	1947612	2218674.1	26.5
August	67702793.4	1917140	2183961.1	26.1
September	82772716	2343875	2759090.5	31.9

Govt. of Rajasthan
Indira Gandhi Nahar Project.

Sr. No. = $\frac{119}{1-5-18}$

To, The General manager
Raj West Power Project Ltd
Rajwest town ship
near Sant Paul School
Barmar Rajasthan

Sub. - Raw water Bill for industrial purpose
for the month 5/18

S. No	Particulars	Reading on	Reading on	Diff. as Per flow metre	Cft as Per flow metre	Unit	Rate	Amount
		31-3-2018	30-4-2018		0.028317			
1.	Supply of water for Rajwest power project from RD 1489-750 I.G.M.N	61379200	62682044	1302844	4609252.99	1000 CFT	20	92018520
								92018520

₹ NINE LAKH TWENTY THOUSAND ONE HUNDRED EIGHTY FIVE ONLY

[Signature]
सहायक अभियन्ता
रेल वेन कनाल खण्ड
इ.मं. न.प., बीरमनगर

[Signature]
सहायक अभियन्ता
खण्ड - ई.प., 28वां खण्ड प्रा. नि.
डी. एन. सी. खण्ड इ.म.न.प.
बीरमनगर (बीरमनगर)

Govt of Rajasthan
Indira Gandhi Nahar Project

Sr. No. = $\frac{468}{4-6-18}$

To - The General manager
Raj West Power Project
Rajwest town ship
near Sant Paul School
Barmar Rajasthan

Sub - Raw Water Bill for industrial purpose for
the month - 5/18

S. N	Particulars	Reading on	Reading on	Diff. as Per flow meter	Cft as Per flow meter	Unit	Rate	Amount
		30/4/18	31/5/18		0.028317			
1	Supply of water for Rajwest Power Project from RD 1489-250 I.G.M.N	62682044	64189868	1507824	532480130 CFT	1000 CFT	20	106496020
								106496020

₹ TEN LAKHS SIXTY FOUR THOUSAND NINE HUNDRED SIXTY ONLY

[Signature]
सहायक अभियन्ता
रेल वेन कनाल खण्ड
इ.मं. न.प., बीरमनगर

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डी. एन. सी. खण्ड इ.म.न.प.
बीरमनगर (बीरमनगर)

Govt of Rajasthan
Indira Gandhi Nahar Project

Sr. No. ÷ 272
31/7/18
To - The General manager
Raj West Power Project
Raywest town ship
near Sant Paul School
Barmar Rajasthan

SUB - Raw Water Bill for industrial Purpose for the month 6/18

S.N	Particular	Reading on	Reading on	Diff. as per flow meter	cfm as per flow meter	unit	Rate	Amount
1	Supply of water for Raywest Power Project from RD 1485-250 IGMN	64189215	66055568	1865900	65886216.76/1000	CFM	20	13177243
								Totally
								13177243
								Pay U- 13177243/- only
								(Copy - Thirteen lakh seven hundred and seven thousand two hundred and forty three Rupees only)

Govt of Rajasthan
Indira Gandhi Nahar Project

Sr. No. ÷ 1086
31/7/18
To - The General manager
Raj West Power Project
Raywest town ship
near Sant Paul School
Barmar Rajasthan

SUB - Raw Water Bill for industrial Purpose for the month 7/18

S.N	Particular	Reading on	Reading on	Diff. as per flow meter	cfm as per flow meter	unit	Rate	Amount
1	Supply of water for Raywest Power Project from RD 1485-250 IGMN	66055568	68003180	1947612	68775896.00/1000	CFM	20	1375577.92
								Totally
								1375577.92
								Pay U- 1375577.92/- only
								(Copy - Thirteen lakh seven thousand five hundred and seventy seven Rupees and ninety two paise only)

Govt. of Rajasthan
Indira Gandhi Nahar Project

Sr. No. ÷ 1573
4-5/18

To - The General manager
Raj West Power Project
Raywest town ship
near Sant Paul School
Barmar Rajasthan

Sub - Raw Water Bill for industrial Purpose for 5/18
the month.

S.N	Particular	Reading on	Reading on	Diff. as Per Flow meter	cft as Per Flow meter	unit	Date	Amount
		3/5/18	3/5/18		0.028317			
1	SUPPLY of Water for Raywest Power Project from RD 1485+250 IGMN	68003180	69920320	1917140	67702733	1000 CFT	20	135405528
								<p>TOTAL</p> <p>₹ 135405528</p> <p>₹ 135405567</p>
<p>C Thirteen Lakhs Fifty Four thousand Fifty Six only</p>								
				<p>Sharma</p> <p>राज्यक अधीक्षक अवकाश-III, 28वां खण्ड प्रा.नि. डी. एम. सी. खण्ड इ. प्रा. नि. मोकनमड (जि.समेर)</p>				

Govt. of Rajasthan

Indira Gandhi Nahar Project

Sr. No. ÷ 2099
1-10/18

To - The General manager
Raj West Power Project
Raywest town ship
near Sant Paul School
Barmar Rajasthan

Sub - Raw Water Bill for industrial Purpose for
the month 9/18

S.N	Particular	Reading on	Reading on	Diff. as Per Flow meter	cft as Per Flow meter	unit	Date	Amount
		3/8/18	30/9/18		0.028317			
1	SUPPLY of Water for Raywest Power Project from RD 1485+250 IGMN	69920320	72264195	2343875	82772716	1000 CFT	20	1655451
								<p>TOTAL</p> <p>₹ 1655451</p> <p>₹ 1655451</p>
<p>C Rupees 16 Sixteen Lakhs Fifty Five thousand four hundred and fifty one only</p>								
				<p>Sharma</p> <p>राज्यक अधीक्षक अवकाश-III, 28वां खण्ड प्रा.नि. डी. एम. सी. खण्ड इ. प्रा. नि. मोकनमड (जि.समेर)</p>				

ANNEXURE-II
Effluent Water Quality APR, 2018 – SEP, 2018

SN	Parameters	UoM	CPCB Limits	Results					
				April	May	June	July	Aug	Sept
1.	pH		6.5-8.5	7.0	7.5	7.0	7.5	7.1	7.0
2.	Biochemical Oxygen Demand (BOD) @ 27Deg C for 3 days	mg/L	< 30.0	74.5	75.5	76.0	69.3	76.5	73.5
3.	Chemical Oxygen Demand (COD)	mg/L	< 250	22.8	25.8	23.0	22.5	24.0	22.5
4.	Total Kjeldhal Nitrogen as NH3	mg/L	< 100	9.8	8.5	8.5	7.8	8.8	8.8
5.	Free Available Chlorine	mg/L	< 0.5	BDL<0.18	BDL<0.18	BDL<0.18	BDL<0.18	BDL<0.18	BDL<0.18
6.	Oil & Grease	mg/L	< 20	3.0	2.1	2.1	2.2	2.9	2.6
7.	Copper as Cu	mg/L	< 1	0.022	0.012	0.012	0.013	0.017	0.016
8.	Zinc as Zn	mg/L	< 1	0.04	0.44	0.36	0.45	0.29	0.36
9.	Iron as Fe	mg/L	< 1	0.41	0.44	0.41	0.43	0.41	0.38
10.	Total Suspended Solid	mg/L	< 100	44.5	31	34.25	43.5	36	38.5
11.	Ammonical Nitrogen as N	mg/L	< 50	6.4	5.5	5.5	5.4	5.7	5.0
12.	Nitrate Nitrogen	mg/L	< 10	2.36	1.78	2.03	1.68	1.92	1.95
13.	Total Chromium as Cr	mg/L	< 1	BDL<0.01	BDL<0.01	BDL<0.01	BDL<0.01	BDL<0.01	BDL<0.01

ANNEXURE-III**COAL ANALYSIS REPORT****COAL ANALYSIS REPORT APR, 2018 – SEP, 2018**

	AVERAGE					
Month	Total Moisture	Volatile Matter	Ash	Fix Carbon	Gross Calorific Value	Sulfur
	%	%	%	%	Kcal/Kg	%
April	44.45	23.73	11.47	20.35	2942.83	0.95
May	44.32	24.4	11.41	19.88	2936.41	0.94
June	44.22	23.76	11.42	20.6	2930.54	0.93
July	44.1	23.92	11.36	20.62	2939.95	0.94
Aug	44.16	23.89	11.33	20.63	2940.97	0.95
Sept	44.12	23.58	11.28	21.01	2944.25	0.93

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Certificate No.: - MSK/UDR/RWPL/2018-19/01

Date:- 05.05.2018

CERTIFICATE OF SAMPLING & ANALYSIS

This is to certify that we the under sign surveyor have carried out Conveyor Belt Coal sampling feeding to Unit # 1, 2, 3, 4, 5, 6, 7 & 8 Bunker and analysis for the same LIGNITE COAL sample and report as under

Date & Place of Attendance: At RWPL Plant, Bhadrash from 01.04.2018 to 30.04.2018

Sampling & Analysis: Continuous sampling was done during feeding of Lignite Coal in Bunker. 24 Hrs. sample thus collected sample was reduced to prepare the Moisture and General analysis sample

COMPOSITE OF UNIT 1, 2, 3, 4, 5, 6, 7 & 8

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
01.04.18	44.53	11.83	24.23	19.41	2940	0.91
02.04.18	44.13	11.92	24.30	19.65	2962	0.92
03.04.18	43.92	11.16	24.60	20.32	2969	0.95
04.04.18	43.94	11.77	23.77	20.52	2972	0.99
05.04.18	43.78	11.03	23.56	21.63	2980	0.99
06.04.18	44.87	11.78	23.99	19.36	2920	0.96
07.04.18	44.68	11.98	23.70	19.64	2930	0.98
08.04.18	45.01	11.79	23.48	19.72	2912	0.94
09.04.18	45.32	11.78	22.60	20.30	2900	0.99
10.04.18	44.86	11.14	23.65	20.35	2923	0.97
11.04.18	44.65	11.89	23.75	19.71	2933	0.93
12.04.18	44.31	11.27	24.07	20.35	2949	0.99
13.04.18	44.24	10.99	24.57	20.20	2955	0.92
14.04.18	44.05	11.13	23.64	21.18	2963	0.99
15.04.18	44.15	11.85	23.93	20.07	2960	0.91
16.04.18	44.50	11.69	22.97	20.84	2941	0.95
17.04.18	44.87	11.18	22.88	21.07	2916	0.94
18.04.18	44.99	11.61	23.20	20.20	2910	0.98
19.04.18	44.42	11.76	23.54	20.28	2944	0.92
20.04.18	44.48	11.84	22.72	20.96	2940	0.99
21.04.18	44.55	11.12	24.40	19.93	2935	0.96

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TESTING • INSPECTION

Certificate No.: - MSK/UDR/RWPL/2018-19/01

Date:- 05.05.2018

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
22.04.18	44.79	11.38	24.27	19.56	2926	0.92
23.04.18	44.74	11.13	24.68	19.45	2937	0.93
24.04.18	44.59	11.46	23.58	20.37	2935	0.95
25.04.18	44.21	11.33	23.37	21.09	2956	0.98
26.04.18	44.08	10.58	24.00	21.34	2960	0.91
27.04.18	44.34	11.94	23.19	20.53	2950	0.92
28.04.18	44.41	11.63	23.00	20.96	2940	0.97
29.04.18	44.15	11.26	24.50	20.09	2953	0.93
30.04.18	44.57	11.54	23.49	20.40	2938	0.92

Note :-

1. These Samples were collected by Mitra S. K. Pvt. Ltd. from RWPL, Bhadresh & analyzed at our NABL accredited Gandhidham Lab.

2. This report reflects our findings at the date and place of Inspection only and does not refer to any other matter.

Checked By:

Authorized Signatory

For Mitra S. K. Private Limited

Authorized Signatory

Mitra S. K. Private Limited


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Old Fatehpura, Udaipur - 313001 (Rajasthan)
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Certificate No.: - MSK/UDR/RWPL/2018-19/13

Date:- 04.06.2018

CERTIFICATE OF SAMPLING & ANALYSIS

This is to certify that we the under sign surveyor have carried out Conveyor Belt Coal sampling feeding to Unit # 1, 2, 3, 4, 5, 6, 7 & 8 Bunker and analysis for the same LIGNITE COAL sample and report as under

Date & Place of Attendance: At RWPL Plant, Bhadresh from 01.05.2018 to 31.05.2018

Sampling & Analysis: Continuous sampling was done during feeding of Lignite Coal in Bunker. 24 Hrs. sample thus collected sample was reduced to prepare the Moisture and General analysis sample

COMPOSITE OF UNIT 1, 2, 3, 4, 5, 6, 7 & 8

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
01.05.18	43.82	11.58	24.34	20.26	2965	0.97
02.05.18	44.51	11.28	24.07	20.14	2932	0.99
03.05.18	44.23	11.72	24.32	19.73	2951	0.97
04.05.18	44.34	10.78	24.61	20.27	2945	0.95
05.05.18	44.47	11.24	24.47	19.82	2944	0.92
06.05.18	44.34	11.61	24.92	19.13	2946	0.95
07.05.18	44.10	11.22	23.89	20.79	2955	0.91
08.05.18	43.90	11.46	24.27	20.37	2964	0.94
09.05.18	44.31	11.56	24.21	19.92	2950	0.92
10.05.18	44.18	10.95	24.50	20.37	2956	0.93
11.05.18	43.77	11.63	24.77	19.83	2961	0.98
12.05.18	44.71	11.40	24.65	19.24	2895	0.92
13.05.18	44.97	11.24	24.30	19.49	2900	0.93
14.05.18	44.93	10.95	25.09	19.03	2903	0.91
15.05.18	44.75	11.59	24.79	18.87	2911	0.94
16.05.18	44.46	11.52	24.51	19.51	2906	0.96
17.05.18	44.67	11.92	24.11	19.30	2909	0.93
18.05.18	44.25	11.28	25.54	18.93	2919	0.94
19.05.18	43.35	11.70	24.09	20.86	2980	0.93
20.05.18	43.12	11.19	23.98	21.71	2991	0.92
21.05.18	43.09	10.83	23.95	22.13	2998	0.94

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Certificate No.: - MSK/UDR/RWPL/2018-19/13

Date:- 04.06.2018

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
22.05.18	43.53	11.33	24.39	20.75	2994	0.93
23.05.18	43.36	11.52	24.68	20.44	2996	0.94
24.05.18	43.45	11.83	23.98	20.74	2990	0.94
25.05.18	43.26	11.78	24.07	20.89	2997	0.94
26.05.18	43.28	11.45	23.79	21.48	2994	0.95
27.05.18	43.30	11.59	24.43	20.68	2991	0.94
28.05.18	44.29	11.44	24.75	19.52	2925	0.94
29.05.18	46.83	11.77	24.73	16.67	2800	0.94
30.05.18	47.12	11.27	24.30	17.31	2780	0.95
31.05.18	46.64	11.13	24.16	18.07	2803	0.95

Note :-

1. These Samples were collected by Mitra S. K. Pvt. Ltd. from RWPL, Bhadresh & analyzed at our NABL accredited Gandhidham Lab.
2. This report reflects our findings at the date and place of Inspection only and does not refer to any other matter.

Checked By:


Authorized Signatory

For Mitra S. K. Private Limited


Authorized Signatory

Mitra S. K. Private Limited



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Certificate No. : - MSK/UDR/RWPL/2018-19/25

Date:- 05.07.2018

CERTIFICATE OF SAMPLING & ANALYSIS

This is to certify that we the under sign surveyor have carried out Conveyor Belt Coal sampling feeding to Unit # 1, 2, 3, 4, 5, 6, 7 & 8 Bunker and analysis for the same LIGNITE COAL sample and report as under

Date & Place of Attendance: At RWPL Plant, Bhadresh from 01.06.2018 to 30.06.2018

Sampling & Analysis: Continuous sampling was done during feeding of Lignite Coal in Bunker. 24 Hrs. sample thus collected sample was reduced to prepare the Moisture and General analysis sample

COMPOSITE OF UNIT 1, 2, 3, 4, 5, 6, 7 & 8

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
01.06.18	45.92	11.32	23.74	19.02	2850	0.94
02.06.18	45.17	11.54	23.79	19.50	2889	0.99
03.06.18	45.30	11.59	23.32	19.79	2903	0.93
04.06.18	45.30	11.51	24.22	18.97	2933	0.94
05.06.18	44.17	11.30	23.74	20.79	2940	0.92
06.06.18	43.41	11.21	23.34	22.04	2988	0.97
07.06.18	43.37	11.61	23.11	21.91	2981	0.98
08.06.18	43.39	11.52	23.10	21.99	2964	0.91
09.06.18	43.68	11.49	23.02	21.81	2971	0.92
10.06.18	43.47	11.53	23.52	21.48	2975	0.93
11.06.18	44.18	11.67	23.41	20.74	2969	0.92
12.06.18	43.25	11.52	23.52	21.71	2977	0.91
13.06.18	42.99	11.71	22.60	22.70	2985	0.93
14.06.18	43.41	11.42	24.23	20.94	2966	0.91
15.06.18	44.04	11.29	23.78	20.89	2937	0.91
16.06.18	43.73	11.61	24.62	20.04	2930	0.93
17.06.18	44.06	11.02	24.66	20.26	2936	0.93
18.06.18	43.65	11.12	24.05	21.18	2947	0.89
19.06.18	43.67	11.02	24.26	21.05	2945	0.87
20.06.18	43.40	11.36	23.52	21.72	2948	0.92
21.06.18	43.71	11.31	23.56	21.42	2940	0.90

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Date:- 05.07.2018

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
22.06.18	44.18	11.52	24.22	20.08	2944	0.90
23.06.18	44.07	11.27	23.13	21.53	2924	0.93
24.06.18	44.91	11.51	22.51	21.07	2896	0.88
25.06.18	45.81	11.48	24.52	18.19	2824	0.95
26.06.18	45.45	11.70	23.61	19.24	2838	0.93
27.06.18	44.53	11.50	25.86	18.11	2866	0.90
28.06.18	44.86	11.59	24.41	19.14	2900	0.92
29.06.18	44.48	11.37	23.62	20.53	2932	0.92
30.06.18	44.81	11.64	23.71	19.84	2930	0.97

Note :-

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Checked By:

For Mitra S. K. Private Limited

Authorized Signatory

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Certificate No.: - MSK/UDR/RWPL/2018-19/37

Date:- 06.08.2018

CERTIFICATE OF SAMPLING & ANALYSIS

This is to certify that we the under sign surveyor have carried out Conveyor Belt Coal sampling feeding to Unit # 1, 2, 3, 4, 5, 6, 7 & 8 Bunker and analysis for the same LIGNITE COAL sample and report as under

Date & Place of Attendance: At RWPL Plant, Bhadresh from 01.07.2018 to 31.07.2018

Sampling & Analysis: Continuous sampling was done during feeding of Lignite Coal in Bunker. 24 Hrs. sample thus collected sample was reduced to prepare the Moisture and General analysis sample

COMPOSITE OF UNIT 1, 2, 3, 4, 5, 6, 7 & 8

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
01.07.18	44.24	10.95	24.25	20.60	2928	0.90
02.07.18	43.80	11.35	23.62	21.20	2948	0.94
03.07.18	43.64	11.48	23.56	21.30	2935	0.93
04.07.18	44.43	11.89	23.79	19.90	2942	0.98
05.07.18	43.95	12.05	23.69	20.30	2930	0.97
06.07.18	44.55	11.67	23.72	20.10	2934	0.93
07.07.18	44.97	11.24	23.58	20.20	2872	0.93
08.07.18	45.62	10.84	24.53	19.00	2842	0.94
09.07.18	46.17	11.66	24.18	18.00	2802	0.94
10.07.18	45.99	11.84	23.95	18.20	2823	0.96
11.07.18	44.93	10.91	24.09	20.10	2838	0.93
12.07.18	44.55	10.85	23.61	21.00	2901	0.96
13.07.18	43.88	11.58	24.14	20.40	2949	0.94
14.07.18	44.00	10.65	23.62	21.70	2955	0.93
15.07.18	44.15	10.55	24.09	21.20	2967	0.96
16.07.18	43.62	10.87	23.92	21.60	2970	0.97
17.07.18	43.38	10.66	24.21	21.70	2977	0.98
18.07.18	43.45	11.06	23.60	21.90	3001	0.93
19.07.18	44.60	10.86	24.31	20.20	2995	0.94
20.07.18	43.03	11.63	23.76	21.60	3010	0.94
21.07.18	43.61	11.80	24.15	20.40	2997	0.93

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Certificate No.: - MSK/UDR/RWPL/2018-19/37

Date:- 06.08.2018

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
22.07.18	42.35	10.17	23.89	23.60	2991	0.93
23.07.18	43.18	11.90	24.40	20.50	2988	0.94
24.07.18	43.42	10.71	23.55	22.30	2995	0.97
25.07.18	43.60	11.29	23.90	21.20	2993	0.95
26.07.18	43.42	11.93	23.66	21.00	2998	0.97
27.07.18	43.12	11.30	24.54	21.00	2996	0.94
28.07.18	43.99	12.85	24.10	19.10	2950	0.93
29.07.18	43.89	12.29	23.55	20.30	2959	0.92
30.07.18	44.03	12.24	23.96	19.80	2967	0.98
31.07.18	44.08	10.33	23.86	21.70	2938	0.92

Note :-

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Checked By:

Authorized Signatory

For Mitra S. K. Private Limited

Authorized Signatory

Mitra S. K. Private Limited



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Date:- 05.09.2018

CERTIFICATE OF SAMPLING & ANALYSIS

This is to certify that we the under sign surveyor have carried out Conveyor Belt Coal sampling feeding to Unit # 1, 2, 3, 4, 5, 6, 7 & 8 Bunker and analysis for the same LIGNITE COAL sample and report as under

Date & Place of Attendance: At RWPL Plant, Bhadresh from 01.08.2018 to 31.08.2018

Sampling & Analysis: Continuous sampling was done during feeding of Lignite Coal in Bunker. 24 Hrs. sample thus collected sample was reduced to prepare the Moisture and General analysis sample

COMPOSITE OF UNIT 1, 2, 3, 4, 5, 6, 7 & 8

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
01.08.18	43.82	11.81	23.38	20.99	2952	0.94
02.08.18	43.75	11.35	25.06	19.84	2961	0.99
03.08.18	44.07	11.55	23.32	21.06	2940	0.98
04.08.18	43.98	11.68	24.46	19.88	2952	0.98
05.08.18	44.05	10.32	23.76	21.87	2945	0.97
06.08.18	43.67	11.54	23.96	20.83	2964	0.99
07.08.18	43.89	11.01	23.64	21.46	2952	0.97
08.08.18	43.62	11.05	24.41	20.92	2965	0.96
09.08.18	44.15	11.93	23.68	20.24	2937	0.99
10.08.18	43.93	11.17	23.71	21.19	2949	0.98
11.08.18	43.88	10.20	23.95	21.97	2951	0.96
12.08.18	43.93	11.62	23.29	21.16	2955	0.94
13.08.18	43.91	11.35	24.23	20.51	2958	0.92
14.08.18	43.67	11.93	23.70	20.70	2964	0.93
15.08.18	44.00	11.86	23.89	20.25	2952	0.97
16.08.18	44.05	10.35	23.91	21.69	2938	0.95
17.08.18	44.59	11.10	24.59	19.72	2919	0.95
18.08.18	43.82	10.25	23.32	22.61	2953	0.89
19.08.18	43.70	11.46	24.44	20.40	2959	0.93
20.08.18	43.83	11.75	24.29	20.13	2967	0.87
21.08.18	44.15	11.83	23.29	20.73	2964	0.94

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Certificate No.: - MSK/UDR/RWPL/2018-19/49

Date:- 05.09.2018

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
22.08.18	43.95	11.99	23.58	20.48	2969	0.88
23.08.18	43.91	10.65	23.47	21.97	2917	0.94
24.08.18	44.49	11.84	23.10	20.57	2911	0.92
25.08.18	44.91	11.34	23.85	19.90	2891	0.93
26.08.18	44.89	11.76	23.67	19.68	2872	0.96
27.08.18	44.83	11.26	24.35	19.56	2955	0.98
28.08.18	45.15	11.44	23.48	19.93	2870	0.98
29.08.18	45.51	11.32	24.09	19.08	2866	0.92
30.08.18	44.55	11.65	23.97	19.83	2981	0.96
31.08.18	44.62	11.36	24.56	19.46	2941	0.94

Note :-

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Checked By:

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For Mitra S. K. Private Limited

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Date:- 06.10.2018

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Date & Place of Attendance: At RWPL Plant, Bhadrash from 01.09.2018 to 30.09.2018

Sampling & Analysis: Continuous sampling was done during feeding of Lignite Coal in Bunker. 24 Hrs. sample thus collected sample was reduced to prepare the Moisture and General analysis sample

COMPOSITE OF UNIT 1, 2, 3, 4, 5, 6, 7 & 8

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
01.09.18	44.35	10.48	23.93	21.24	2940	0.94
02.09.18	43.82	9.82	24.64	21.72	2956	0.90
03.09.18	43.81	9.73	24.25	22.21	2950	0.95
04.09.18	43.92	10.33	23.77	21.98	2961	0.96
05.09.18	44.21	11.07	23.27	21.45	2966	0.97
06.09.18	43.46	12.18	23.36	21.00	2974	0.97
07.09.18	43.78	11.63	23.40	21.19	2968	0.89
08.09.18	43.50	12.38	23.02	21.10	2974	0.95
09.09.18	43.54	11.15	23.35	21.96	2979	0.94
10.09.18	44.69	11.62	23.52	20.17	2930	0.93
11.09.18	44.22	11.05	23.48	21.25	2924	0.95
12.09.18	44.20	11.30	23.93	20.57	2933	0.91
13.09.18	43.98	12.18	23.19	20.65	2928	0.90
14.09.18	44.25	9.93	24.66	21.16	2925	0.95
15.09.18	43.23	10.82	24.47	21.48	2980	0.97
16.09.18	43.74	10.48	23.62	22.16	2971	0.92
17.09.18	44.31	10.79	24.18	20.72	2935	0.89
18.09.18	44.21	10.60	23.85	21.34	2941	0.94
19.09.18	43.70	11.53	24.06	20.71	2955	0.92
20.09.18	44.33	11.34	23.26	21.07	2920	0.94
21.09.18	44.37	12.36	23.03	20.24	2923	0.90

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Certificate No.: - MSK/UDR/RWPL/2018-19/61

Date:- 06.10.2018

Date	TM% (ARB)	ASH% (ARB)	VM% (ARB)	FC% (ARB)	GCV (Kcal/kg) (ARB)	Sulfur% (ARB)
22.09.18	45.23	11.26	23.03	20.48	2890	0.91
23.09.18	45.34	12.38	22.67	19.61	2885	0.91
24.09.18	45.22	12.42	22.69	19.67	2880	0.93
25.09.18	44.32	11.88	22.62	21.18	2926	0.92
26.09.18	44.43	12.28	23.21	20.08	2952	0.94
27.09.18	44.04	10.26	23.93	21.77	2964	0.88
28.09.18	43.96	12.35	23.47	20.22	2955	0.92
29.09.18	44.23	9.58	24.53	21.66	2950	0.90
30.09.18	43.16	12.44	23.08	21.32	3010	0.94

Note :-

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Checked By:

Authorized Signatory

For Mitra S. K. Private Limited

Authorized Signatory

ANNEXURE-IV
STACK EMISSION MONITORING RESULTS APR, 2018– SEP, 2018
Month: Apr, 2018

SN	Parameters	UOM	Unit-I	Unit - II	Unit - III	Unit - IV	Unit - V	Unit - VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	14.9	S/D	14.7	15.2	15.3	15.8	14.3	14.7
2	Flow	Nm ³ /Sec	287.3	S/D	288.3	295.2	288.2	298.3	279.7	292.5
3	Stack Exit Temp.	°C	148	S/D	141	145	158	157	142	135
4	Particulate Matter	mg/Nm ³	42.8	S/D	44.3	39.6	47.3	42.7	45.3	40.4
5	Sulphur Dioxide	mg/Nm ³	364	S/D	288	335	518	327	416	322
6	Oxides of Nitrogen	mg/Nm ³	135	S/D	147	135	156	130	149	128

Month: May, 2018

SN	Parameters	UOM	Unit-I	Unit - II	Unit - III	Unit - IV	Unit - V	Unit - VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	18.3	20.3	19.9	18.9	18	20.4	S/D	19.4
2	Flow	Nm ³ /Sec	362.8	398.3	400.7	368.5	349	403.2	S/D	373.4
3	Stack Exit Temp.	°C	136	140	131	143	146	138	S/D	149
4	Particulate Matter	mg/Nm ³	40.8	46.2	41.3	36.7	42.8	40.4	S/D	43.6
5	Sulphur Dioxide	mg/Nm ³	410	471	450	419	502	376	S/D	350
6	Oxides of Nitrogen	mg/Nm ³	143	182	151	179	145	139	S/D	120

Month: Jun, 2018

SN	Parameters	UOM	Unit-I	Unit - II	Unit - III	Unit - IV	Unit - V	Unit - VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	21.6	19.6	18.9	16.8	19	S/D	S/D	20.7
2	Flow	Nm ³ /Sec	400.4	365.8	358.4	318.1	357.1	S/D	S/D	388.0
3	Stack Exit Temp.	°C	165	162	154	155	159	S/D	S/D	161
4	Particulate Matter	mg/Nm ³	38.6	42.8	39.6	35.7	44.3	S/D	S/D	45.9
5	Sulphur Dioxide	mg/Nm ³	560	528	578	569	423	S/D	S/D	584
6	Oxides of Nitrogen	mg/Nm ³	193	76	134	209	169	S/D	S/D	99

Month: Jul' 2018

SN	Parameters	UOM	Unit-I	Unit - II	Unit - III	Unit - IV	Unit - V	Unit - VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	18.6	S/D	19.3	18.4	15.2	17.3	15.5	14.6
2	Flow	Nm ³ /Sec	352.0	S/D	373.8	354.0	302.5	351.2	309.9	290.2
3	Stack Exit Temp.	°C	156	S/D	146	149	136	126	133	136
4	Particulate Matter	mg/Nm ³	36.8	S/D	36.9	37.5	34.5	39.6	32.8	41.4
5	Sulphur Dioxide	mg/Nm ³	421	S/D	310	487	433	350	551	404
6	Oxides of Nitrogen	mg/Nm ³	174	S/D	211	181	120	228	85	100

Month: Aug' 2018

SN	Parameters	UOM	Unit-I	Unit - II	Unit - III	Unit - IV	Unit - V	Unit - VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	17.4	S/D	17	17.4	16.4	16.3	18.3	18
2	Flow	Nm ³ /Sec	356.9	S/D	345.0	341.9	330.8	324.9	364.9	363.2
3	Stack Exit Temp.	°C	123	S/D	127	139	130	134	135	130
4	Particulate Matter	mg/Nm ³	32.8	S/D	30.6	32.7	31.8	35.7	33.4	38.2
5	Sulphur Dioxide	mg/Nm ³	330	S/D	541	320	513	348	469	321
6	Oxides of Nitrogen	mg/Nm ³	69	S/D	100	52	72	81	142	86

Month: Sep' 2018

SN	Parameters	UOM	Unit-I	Unit - II	Unit - III	Unit - IV	Unit - V	Unit - VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	19.9	19	19.1	19.9	S/D	20.6	22.8	18.6
2	Flow	Nm ³ /Sec	384.3	372.6	385.9	392.3	S/D	392.8	432.5	357.4
3	Stack Exit Temp.	°C	147	141	128	138	S/D	153	155	150
4	Particulate Matter	mg/Nm ³	48.8	53.4	52.1	51.9	S/D	51.1	54.0	53.1
5	Sulphur Dioxide	mg/Nm ³	438	475	587	372	S/D	544	496	471
6	Oxides of Nitrogen	mg/Nm ³	205	201	111	197	S/D	203	207	117

ANNEXURE-IV
Unit # 1 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	179	56	45
	Max	243	147	61
May-18	Average	220	90	55
	Max	363	141	78
Jun-18	Average	181	56	39
	Max	310	145	61
Jul-18	Average	188	98	41
	Max	330	151	59
Aug-18	Average	182	122	42
	Max	352	154	60
Sep-18	Average	146	68	43
	Max	217	121	69

Unit # 2 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	181	54	51
	Max	383	166	87
May-18	Average	251	76	70
	Max	339	118	99
Jun-18	Average	226	53	50
	Max	505	146	88
Jul-18	Average	S/D	S/D	S/D
	Max	S/D	S/D	S/D
Aug-18	Average	210	89	47
	Max	311	121	62
Sep-18	Average	253	70	53
	Max	449	127	73

Unit # 3 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	137	37	57
	Max	162	47	60
May-18	Average	151	61	65
	Max	253	138	72
Jun-18	Average	202	84	66
	Max	408	122	74
Jul-18	Average	163	81	62
	Max	293	151	75
Aug-18	Average	134	106	60
	Max	181	124	68
Sep-18	Average	99	58	72
	Max	263	128	75

Unit # 4 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	126	60	69
	Max	154	111	80
May-18	Average	156	75	62
	Max	339	131	79
Jun-18	Average	249	114	66
	Max	419	162	74
Jul-18	Average	158	79	63
	Max	311	133	76
Aug-18	Average	149	69	64
	Max	313	101	79
Sep-18	Average	121	42	69
	Max	183	98	81

Unit # 5 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	433	131	38
	Max	447	142	44
May-18	Average	417	121	42
	Max	451	177	47
Jun-18	Average	429	73	45
	Max	451	121	57
Jul-18	Average	376	44	33
	Max	444	71	45
Aug-18	Average	301	48	44
	Max	404	153	54
Sep-18	Average	294	51	43
	Max	436	93	51

Unit # 6 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	292	90	57
	Max	436	109	67
May-18	Average	357	37	58
	Max	456	87	75
Jun-18	Average	320	112	68
	Max	458	198	76
Jul-18	Average	258	109	58
	Max	396	146	77
Aug-18	Average	263	85	50
	Max	346	113	53
Sep-18	Average	355	124	47
	Max	458	192	60

Unit # 7 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	316	105	48
	Max	414	144	76
May-18	Average	330	101	57
	Max	407	148	76
Jun-18	Average	315	75	68
	Max	387	101	76
Jul-18	Average	352	75	68
	Max	398	108	76
Aug-18	Average	251	70	61
	Max	348	94	80
Sep-18	Average	318	90	57
	Max	404	112	71

Unit # 8 - Continuous Emission Monitoring System-CEMS DATA

Month		SOX mg/m3	NOX mg/m3	SPM mg/m3
Apr-18	Average	230	39	69
	Max	384	78	76
May-18	Average	273	33	64
	Max	364	46	76
Jun-18	Average	354	67	66
	Max	445	153	75
Jul-18	Average	194	40	42
	Max	382	56	60
Aug-18	Average	287	74	45
	Max	429	139	51
Sep-18	Average	225	74	47
	Max	394	127	58



**Ministry of Environment, Forest and Climate Change
Monthly Abstract of Ash Generation and Utilisation**

ANNEXURE-V

(For the Period from April, 2018 to Sept, 2018)

Name of Thermal Power Plant: Raj West Power Limited - Jalipa-Kapurdi Thermal Plant Lignite Coal Base Thermal Plant

Sr. No	Month	Ash Generation and Utilisation						Mode of Ash Utilisation and Utilisation in Each Mode (IN LAKH TON)									
		Coal Consume (Lakh Ton)	Lime Coal Consumed (Lakh Ton)	Ash Content of Coal (Percentage)	Ash Generation (Lakh Ton)	Ash Utilised (Lakh Ton)	Ash Utilisation (Percentage)	In Making of Fly Ash Based Bricks/ Blocks/ Tiles etc.	In Manufacture of Portland Pozzolana Cement	In Construction of Highway & Roads Including Flyovers	Part Replacement of Cement in Concrete	In Hydro Sector as Part replacement or in Roller Compacted Concrete Dam Construction	In Ash Dyke Raising	In Reclamation of Low Lying Area	In Mine Filling	In Agriculture / Waste Land Development	Other (Pl Specify)
1	April, 18	5.2788	0.226	11.47	0.8043	0.8064	100.3	0.0868	0.6702						0.0494		
2	May, 18	5.8673	0.227	11.41	0.8691	1.0037	115.5	0.097	0.6174						0.2893		
3	June, 18	5.0788	0.189	11.42	0.7468	1.0101	135.3	0.0995	0.6428						0.2678		
4	July, 18	4.5119	0.223	11.36	0.7091	0.837	118	0.1015	0.7081						0.0273		
5	Aug, 18	5.3274	0.22	11.33	0.7973	1.0049	126	0.1031	0.8165						0.0854		
6	Sep, 18	5.1848	0.195	11.28	0.7563	1.087	143.7	0.1116	0.7995						0.1759		
Total		31.2491	1.2807	11.38	4.683	5.749	122.765	0.6	4.255	0	0	0	0	0	0.895	0	

Cement Industries and Some Fly ash Brick manufacturer has taken fly ash from Ash pond

ANNEXURE-VI
Noise Level Monitoring- APR, 2018 – SEP, 2018

S N	Month Noise Levels dB (A)	April		May		June		July		August		September	
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
1	MAIN GATE INSIDE	73.2	63.7	72.2	63.3	72.4	61.2	71.4	62.4	70.6	59.3	63.6	56.7
2	COOLING TOWER END	74.1	62.9	70.5	60.7	73.1	64.5	68.4	57.7	72.5	64.7	68	57.3
3	NORTH WEST CORNER	71.8	63.5	69.4	62.4	71.1	64.4	70.6	61.8	70.6	61.8	69.9	62.9
4	Bhadresh Village	53.9	42.6	52.6	41.2	53.8	43.6	54.5	42.8	53.8	42.6	53.3	39.9
5	Ishrpura Village	54.6	43.8	54.6	43.4	52.6	43.4	52.7	43.6	54.7	42.5	55.3	44.2
5	Chuli Village	52.9	42.9	53.2	43.2	51.4	41.8	52.6	43.3	54.3	42.9	53.8	42.4

ANNEXURE-VII
Ambient Air Quality Data- APR, 2018 – SEP, 2018
Month – Apr' 2018

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Main Gate	16.8	2.2	13.1	0.1	9.1
2	Ash pond	32.9	15.0	15.7	1.2	12.2
3	Reservoir Area	35.9	7.2	7.7	0.2	18.4
4	Bhardesh Village	68.6	26.3	18.3	ND	36.5
5	Ishrpura Village	77.2	25.0	12.1	ND	37.6
6	Chuli Village	71.3	21.3	14.2	ND	32.7

Month – May' 2018

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	24.5	8.9	9.9	0.4	11.1
2	Main Gate	43.8	14.8	12.2	1.5	15.6
3	Ash pond	39.4	16.7	6.8	0.2	18.5
4	Bhardesh Village	67.5	25.5	17.2	ND	35.8
5	Ishrpura Village	76.2	24.7	11.9	ND	37.1
6	Chuli Village	70.3	21.0	14.0	ND	32.3

Month – Jun' 2018

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	48.9	16.2	14.2	0.6	33.9
2	Main Gate	52.8	14.4	9.6	1.7	24.1
3	Ash pond	57.6	9.8		0.2	23.7
4	Bhardesh Village	70.2	26.4	17.7	ND	37.1
5	Ishrpura Village	79.2	25.8	12.3	ND	38.3
6	Chuli Village	72.3	21.3	14.2	ND	33.7

ANNEXURE-VII
Month – Jul' 2018

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	45.7	16.3	14.4	0.5	35.1
2	Main Gate	38.4	14.8	8.8	1.7	18.8
3	Ash pond	50.4	10.1	16.5	0.2	17.8
4	Bhardesh Village	68.7	25.9	17.3	ND	36.3
5	Ishrpura Village	77.3	23.9	12.5	ND	37.6
6	Chuli Village	72.3	20.4	14.2	ND	33.4

Month – Aug' 2018

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	40.1	15.9	15.2	0.5	32.9
2	Main Gate	37.2	14.3	8.9	0.8	16.8
3	Ash pond	58.8	21.3	17.4	0.2	19.6
4	Bhardesh Village	70.5	26.4	17.1	ND	37.5
5	Ishrpura Village	76.8	25.1	12.7	ND	38.9
6	Chuli Village	74.1	21.8	14.6	ND	34.4

Month – Sep' 2018

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	38.5	14.7	15.9	0.5	31.9
2	Main Gate	29.6	9.4	14.4	2.0	6.0
3	Ash pond	73.5	6.9	16.6	0.4	9.9
4	Bhardesh Village	71.8	27.3	18.1	ND	38.3
5	Ishrpura Village	77.7	25.4	12.9	ND	39.4
6	Chuli Village	75.0	22.0	14.7	ND	34.8

ANNEXURE-VIII



RAJ WESTPOWER LIMITED

Village & Post : Bhadresh, Post Box No. 30,
Distt : Barmer – 344001 (Rajasthan)
CIN : U31102MH1996PLC185098
Phone : +91 2982 229100
Fax : +91 2982 229222
Website : www.isw.in

Ref: RWPL/ENV/18-19/014

Date: 09.06.2018

To,
Ministry of Environment & Forests
Indira Paryavaran Bhavan,
Ali Ganj, Jorbagh Road,
New Delhi, Delhi 110003

**Sub: Compliance Report-Environmental Clearance for 1080 MW Lignite based Power Plant at Village-
Bhadresh, District Barmer.**


Dear Sir,

With reference to your letter No.J-13011/58/2006-IA-II (T) dated 20.07.2007 and 19.11.2009, and followed by Letter no. IV/ENV/R/Th-39/679/08/273, we herewith submit half-yearly compliance report, for the period pertaining to **October-2017 to March-2018**, for the conditions stipulated in the Environmental clearance issued for this Power Project. Analysis Data has uploaded on RWPL website – www.rwpl.in.

We have taken up the Project activity at proposed site incorporating the conditions stipulated in this environmental clearance.

Thanking you,

For Raj WestPower Ltd


Dilip D. Narwani
Dy. General Manager (Environment & Chemistry)

Enclosure:

1. Compliance Report
2. Water consumption Data
3. Coal Analysis Data
4. Stack monitoring Data
5. Ash Utilization Data
6. AAQ Monitoring Data
7. Effluent Water Data

C.C.

The Director – MOEF, Lucknow
The Member Secretary – Central Pollution Control Board, Delhi
The Member Secretary – RSPCB, Jaipur
The Regional Officer – RSPCB, Balotra.


14/6/18
श्री. आर. अनुसम द्वारा प्राप्त किया
Received in CR Section
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
Ministry of Environment, Forests & Climate Change
भारत सरकार / Govt. of India
प्रतिष्ठान इंदिरा पार्यावरण भवन
अलिगंज, जोरबाग रोड, अलिगंज
नई दिल्ली-110003



Part of O.P.Jindal Group

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