

R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-2/OCT-18

DATE - 31/10/2018


Ambient Air Quality Report of Mainpat Bauxite mines

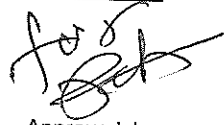
Sampling Date : 22 to 25 OCTOBER- 2018

SN	Parameters	Unit	Norms	Near Balco	Old Kesra	Camp No-2	Office
				T/S			
				22/10/2018	25/10/2018	23/10/2018	24/10/2018
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	24	22	31	27
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	46	41	56	50
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	14	13	15	14
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	13	11	14	12
5	Sound level (Day)	dB	75	43.5	42.6	52.4	55.6
6	Sound level (Night)	dB	70	40.8	40.3	46.0	48.1

Norms-National Ambient Air Quality Standards (18 November 2009)

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Approved by
Manager (QA)

R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-1/OCT-18

DATE - 17/10/2018


Ambient Air Quality Report of Mainpat Bauxite mines

Sampling Date : 04 to 07 OCTOBER- 2018

SN	Parameters	Unit	Norms	Near Balco	Old Kesra	Camp No-2	Office
				T/S			
				04/10/2018	07/10/2018	05/10/2018	06/10/2018
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	26	23	30	28
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	48	40	54	52
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	15	13	14	15
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	13	12	13	14
5	Sound level (Day)	dB	75	43.8	42.5	52.7	55.3
6	Sound level (Night)	dB	70	41.2	40.6	45.8	47.8

Norms-National Ambient Air Quality Standards (18 November 2009)

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-2/NOV-18

DATE - 30/11/2018


Ambient Air Quality Report of Mainpat Bauxite mines

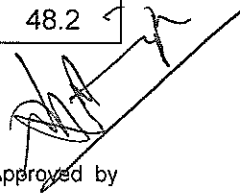
Sampling Date : 21 to 24 NOVEMBER- 2018

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				21/11/2018	24/11/2018	22/11/2018	23/11/2018
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	27	23	32	28
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	49	42	56	51
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	14	12	15	14
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	11	11	14	12
5	Sound level (Day)	dB	75	43.0	41.8	52.3	54.8
6	Sound level (Night)	dB	70	40.7	39.6	45.2	48.2

Norms-National Ambient Air Quality Standards (18 November 2009)

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Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-1/NOV-18

DATE - 19/11/2018


Ambient Air Quality Report of Mainpat Bauxite mines

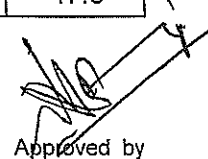
Sampling Date : 05 to 09 NOVEMBER- 2018

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				05/11/2018	09/11/2018	06/11/2018	08/11/2018
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	25	24	33	26
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	47	44	58	49
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	13	12	14	15
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	12	10	13	13
5	Sound level (Day)	dB	75	43.2	42.4	52.6	55.2
6	Sound level (Night)	dB	70	40.5	39.8	45.6	47.5

Norms-National Ambient Air Quality Standards (18 November 2009)

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-2/DEC-18

DATE - 31/12/2018


Ambient Air Quality Report of Mainpat Bauxite mines

Sampling Date : 24 to 28 DECEMBER- 2018

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				27/12/2018	25/12/2018	24/12/2018	26/12/2018
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	24	24	30	27
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	46	44	57	53
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	13	11	14	12
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	9	10	12	11
5	Sound level (Day)	dB	75	43.3	42.1	54.2	55.4
6	Sound level (Night)	dB	70	40.8	39.8	46.4	47.9

Norms-National Ambient Air Quality Standards (18 November 2009)

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Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-1/DEC-18

DATE - 17/12/2018

Ambient Air Quality Report of Mainpat Bauxite mines

Sampling Date : 03 to 08 DECEMBER- 2018

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				04/12/2018	06/12/2018	08/12/2018	07/12/2018
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	26	25	31	28
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	45	43	56	51
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	12	13	15	14
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	10	11	12	10
5	Sound level (Day)	dB	75	43.1	42.6	53.1	55.9
6	Sound level (Night)	dB	70	40.7	39.7	45.7	47.6

Norms-National Ambient Air Quality Standards (18 November 2009)

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-2/JAN-19

DATE - 31/01/2019

Ambient Air Quality Report of Mainpat Bauxite mines

Sampling Date : 22 to 25 January - 2019

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				22/01/2019	25/01/2019	24/01/2019	23/01/2019
1	PM 2.5	$\mu\text{g}/\text{m}^3$	40(Annual) & 60(24 hrs)	25	22	29	28
2	PM 10	$\mu\text{g}/\text{m}^3$	60(Annual) & 100(24 hrs)	44	39	53	50
3	SO ₂	$\mu\text{g}/\text{m}^3$	50(Annual) & 80(24 hrs)	13	11	14	13
4	NO _x	$\mu\text{g}/\text{m}^3$	40(Annual) & 80(24 hrs)	10	9	11	11
5	Sound level (Day)	dB	75	43.1	41.2	54.0	54.2
6	Sound level (Night)	dB	70	40.9	39.3	45.1	47.5

Norms-National Ambient Air Quality Standards (18 November 2009)

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-1/JAN-19

DATE - 16/01/2019

Ambient Air Quality Report of Mainpat Bauxite mines

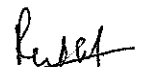
Sampling Date : 02 to 05 January - 2019

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				02/01/2019	05/01/2019	04/01/2019	03/01/2019
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	27	23	32	29
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	48	41	55	52
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	14	12	15	13
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	11	10	13	12
5	Sound level (Day)	dB	75	42.9	41.6	53.7	54.8
6	Sound level (Night)	dB	70	40.6	39.5	44.9	47.7

Norms-National Ambient Air Quality Standards (18 November 2009)

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-2/FEB-19

DATE - 28/02/2019

Ambient Air Quality Report of Mainpat Bauxite mines

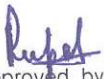
Sampling Date : 21 to 26 FEBRUARY - 2019

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				21/02/2019	22/02/2019	25/02/2019	26/02/2019
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	24	22	30	27
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	41	40	54	51
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	10	12	15	11
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	11	10	13	12
5	Sound level (Day)	dB	75	44.0	42.3	54.2	55.1
6	Sound level (Night)	dB	70	41.1	39.2	46.2	47.8

Norms-National Ambient Air Quality Standards (18 November 2009)

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-1/FEB-19

DATE - 15/02/2019


Ambient Air Quality Report of Mainpat Bauxite mines


Sampling Date : 04 to 08 FEBRUARY - 2019

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				04/02/2019	05/02/2019	07/02/2019	08/02/2019
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	26	21	31	26
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	43	38	51	49
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	12	13	14	11
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	9	11	12	10
5	Sound level (Day)	dB	75	43.5	42.0	54.1	56.7
6	Sound level (Night)	dB	70	40.6	39.5	45.3	47.9

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R. & C. LABORATORY (BALCO, KORBA)

Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-2/MAR-19

DATE - 30/03/2019


Ambient Air Quality Report of Mainpat Bauxite mines

Sampling Date : 22 to 25 March - 2019

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				22/03/2019	24/03/2019	25/03/2019	23/03/2019
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	28	26	34	30
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	42	40	52	51
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	13	14	15	13
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	11	12	12	11
5	Sound level (Day)	dB	75	44.4	42.1	54.7	55.1
6	Sound level (Night)	dB	70	41.6	39.5	47.0	47.9

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Environment Monitoring Section

REF : BALCO/QAP1/POLL/IMS 05/File-08B/MPT-AIR-1/MAR-19

DATE - 16/03/2019

Ambient Air Quality Report of Mainpat Bauxite mines

Sampling Date : 11 to 14 March - 2019

SN	Parameters	Unit	Norms	Near Balco T/S	Old Kesra	Camp No-2	Office
				11/03/2019	14/03/2019	12/03/2019	13/03/2019
1	PM 2.5	µg/m ³	40(Annual) & 60(24 hrs)	26	24	31	28
2	PM 10	µg/m ³	60(Annual) & 100(24 hrs)	43	42	53	52
3	SO ₂	µg/m ³	50(Annual) & 80(24 hrs)	11	13	16	12
4	NO _x	µg/m ³	40(Annual) & 80(24 hrs)	10	11	12	11
5	Sound level (Day)	dB	75	44.7	42.1	55.8	55.5
6	Sound level (Night)	dB	70	41.5	39.5	47.2	48.1

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