

AMBIENT AIR QUALITY DATA

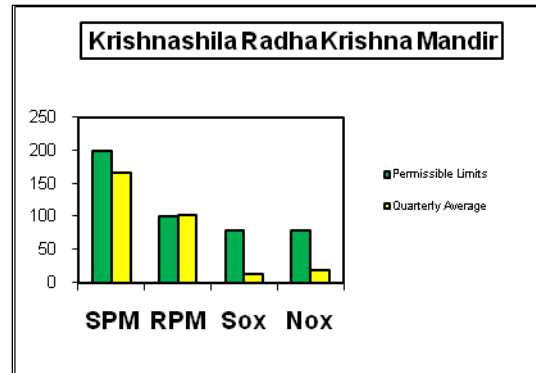
Name of the Company: **Northern Coalfield Limited** Year: **2016-17.**

Name of the Project : **Krishnashila Opencast Project** Q.E.: **March' 2016.**

Core Zone

1. Station Code/Name: **KSA3- Radha Krishna Mandir ,** Category : **Residential.**

Dates of sampling	PM 10	PM 2.5	SO ₂	NO _x
14/15.01.2015	93	30	20	24
29/30.01.2015	84	26	25	28
13/14.02.2015	49	29	22	34
26/27.02.2015	62	21	19	38
13/14.01.2015	70	23	28	32
27/28.03.2015	48	24	26	16
Quarterly Average	68	26	23	29
Permissible Limits	100	60	80	80



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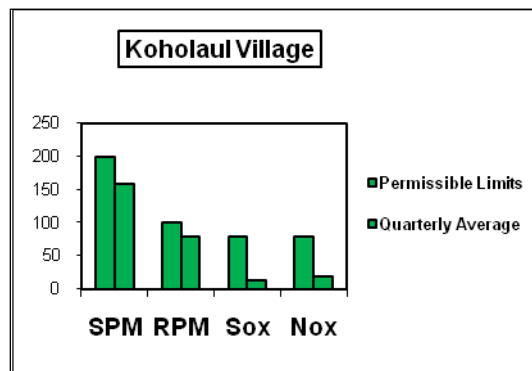
Name of the Project : **Krishnashila Opencast Project** Q.E.: **March' 2016.**

Buffer Zone

Name of the **1. KSA4- Kohraul Village**
Stations & Code :

1. Station Code/Name: KSA4- Kohraul Village, Category: Residential.

Dates of sampling	PM 10	PM 2.5	SO ₂	NO _x
14/15.01.2015	88	45	21	23
29/30.01.2015	76	49	20	22
13/14.02.2015	79	39	21	23
26/27.02.2015	91	38	18	21
13/14.01.2015	96	50	16	26
27/28.03.2015	78	43	21	24
Quarterly Average	85	44	20	23
<i>Permissible Limits</i>	<i>100</i>	<i>60</i>	<i>80</i>	<i>80</i>



WATER QUALITY DATA (Drinking Water)

Name of the Company: **Northern Coalfield Limited** Year : **2016-17.**

Name of the Project : **Krishnashila Opencast Project** Month. : **January**

Name of the stations & Code: **1. KSW1- Tap Water of Jr. Transit camp, Bina**
2. KSW2- Hand Pump water from Kohraul Village

First Fortnight data

Sl. No.	Parameters	Sampling station & sampling date		<i>Tolerance Limit</i> <i>(As per IS-10500/2012 for Drinking water Standard)</i>	
		KSW1 (Tap Water Jr. Transit camp, Bina)	KSW2 (Hand Pump- Kohraul Village)	Requirement (Acceptable Limit)	Permissible Limit in the absence of Alternate Source
		01.01.2016 6:30 PM	01.01.2016 5:40 PM		
1	Dissolved Solid	260	362	500	2000
2	pH	7.89	7.68	6.5 – 8.5	No relaxation
3	Fluoride	0.2	0.5	1.0	1.5
4	Turbidity, NTU	3	3	1	5
5	Residual Free Chlorine	0.1	-	0.2	1
6	MPN (Coliforms)	-	Nil	NIL	No relaxation

Second Fortnight data

Sl. No.	Parameters	Sampling station & sampling date		<i>Tolerance Limit</i> <i>(As per IS-10500/2012 for Drinking water Standard)</i>	
		KSW1 (Tap Water Jr. Transit camp, Bina)	KSW2 (Hand Pump- Kohraul Village)	Requirement (Acceptable Limit)	Permissible Limit in the absence of Alternate Source
		16.01.2016 6:30 PM	16.01.2016 5:40 PM		
1	Dissolved Solid	94	359	500	2000
2	pH	8.10	7.42	6.5 – 8.5	No relaxation
3	Fluoride	0.1	0.5	1.0	1.5
4	Turbidity, NTU	3	2	1	5
5	Residual Free Chlorine	0.1	-	0.2	1
6	MPN (Coliforms)	-	Nil	NIL	No relaxation