

→ Regional Office
Ministry of Environment Forest & CC
Govt. of India
Kendriya Paryavaran Bhawan
Link Road No. 3 Ravi Shankar Nagar
Bhopal – 462016

Sub: Submission of Six Monthly Environmental Compliance Report of M/s Jaiprakash Associates Limited.

Sir,

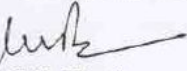
Please find enclosed herewith the six monthly Environmental Compliance report of under mentioned Plant & Mines of M/s Jaiprakash Associates Ltd. are as:

- Jaypee Rewa Plant EC reference nos.: J-11011/79/2003-IA-II (I) Dated April 21, 2004.
- Naubasta Lime Stone Mine (ML area - 470.94 ha) EC reference nos.: J-11016/202/2003-IA-II (M) Dated 6th Jan 2005.
- North – North Naubasta Lime Stone Mine (ML area – 183.93 ha) EC reference nos.: J-11016/202/2003-IA-II (M) Dated 6th Jan 2005
- Bankuiyan Lime Stone Mine (ML area-541.055 ha) EC reference nos.: J-11016/202/2003-IA-II (M) Dated 6th Jan 2005.

Thanking You

Yours Faithfully

For Jaiprakash Associates Limited



(G.V. Bhat)

Sr. President (Tech.)

Handwritten signature
25/11/14

CC to:

- 1) Zonal Office
Central Pollution Control Board - For information please,
Shankar Bhawan, 3rd Floor
North T.T nagar,
Bhopal – (M.P.) 462016
- 2) Member Secretary
Madhya Pradesh Pollution Control Board - For information please.
Paryavaran Parisar, E – 5, Arera Colony
Bhopal (M.P.) 462016
- 3) Regional Officer - For information please.
Madhya Pradesh Pollution Control, Rewa

कार्यालय / OFFICE
पर्यावरण एवं वन मंत्रालय (केंद्रीय)
Ministry of Environment & Forests (C)
क्षेत्रीय कार्यालय (भोपाल)
Regional Office Bhopal
भोपाल (म.प्र.) - 462016


JAYPEE
GROUP

Works : Post Office : Jaypee Nagar, District Rewa - 486 450 (M.P.) India
Ph.: +91 (7662) 400700, 229601-09 Fax : +91 (7662) 229218
Corp. & Regd. Sector-128, Noida - 201 304, Uttar Pradesh (India)
Office : Ph. : +91 (120) 4609000, 2470800 Fax : +91 (120) 4609464, 4609496
Head Office : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi - 110 057 (India)
Ph. : +91 (11) 26141540, 26147411 Fax: +91 (11) 26145389, 26143591

Status of compliance as on 30th September, 2014 (Period : April – September 2014) to the conditions stipulated in Environmental clearance granted by MoEF vide letter No:- J-11015/423/2005-IA-II(M) Dated 18th May 2006 to North – North Naubasta Limestone Mine (ML – 2) (A unit of M/s Jaiprakash Associates Limited) of Mining Capacity 1.85 MTPA at villages Naubasta , Sumeda , Atrauli and Garhwa Tehsil Huzur District Rewa (M.P.)

A. SPECIFIC CONDITIONS

No.	Conditions	Status of Compliance
I.	The maximum combined production from both the mining lease (ML – 1 470.941 ha. and ML – 2: 183.937 ha.) shall not exceed 4.0 million tones per annum.	Noted and Agreed
II.	The project proponent shall ensure that maximum production of limestone from all the six mining lease should not exceed 9.6 million tones per annum.	Noted and Agreed
III.	Top soil should be stacked properly with adequate measures at earmarked site. It should be used for reclamation and rehabilitation of mined out area.	50965 Cum Top soil is generated during period of April – September 2014. Top soil is being temporarily stored at earmarked site & used for land reclamation and plantation.
IV.	The over burden generated shall be concurrently backfilled and there shall not be any external over burden dump in the mine lease area.	175060 cum OB generated during period of April – September 2014. OB is stacked at earmarked dump site. OB generated is accommodated in temporary dump site. Backfilling of mined out area has commenced. Garland drains along with the sedimentation pit at the corner have been provided around the excavation to prevent storm water from catchment area to come in contact with freshly excavated area. Drains are provided at the toe of the dump
V.	Plantation shall be raised in an area of 177.687 ha by planting the native species around the ML area, roads etc. in consultation with the local DFO / Agriculture Department. The density of the trees should be around 2500 plants per ha.	Plantation is carried out along the side of roads, dump sites and on reclaimed areas. Plantation details & photograph are attached as Annexure – I.
VI.	The mining operation shall not intersect groundwater table. Prior approval of the Ministry of Environment & Forest and Central Ground Water Authority shall be obtained for mining below water table.	The mining operation will not intersect the ground water table till the end of mine life.
VII.	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient & length) shall be constructed for both mine pit and for waste dump and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site.	In order to arrest silt and sedimentation flow from the mining operation, check dams/siltation ponds have been constructed. The collected water has been used for sprinkling on the mine haul roads and green belt development. Sump & garland drain has been suitably designed and provided with 50% safety margin over the peak sudden rainfall. Sump capacity with adequate retention period has been provided to allow proper settling of silt material. De-silting of garland drains and sump is being done before rainy season.

	Sump capacity should also provide adequate retention period to allow proper setting of silt materials. Sedimentation pit should be constructed at the corners of the garland drains and desilted at regular intervals.	
VIII.	Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run – off and siltation should be based on the rain fall data.	As such no OB dump exists in mine area .Concurrently back filling is done in mine out area. No retaining wall is required.
IX.	Regular monitoring of ground water level & quality should be carried out by establishing a network of existing wells & constructing new peizometers at suitable locations in project area. The frequency of monitoring should be minimum four times a year - January, pre-monsoon (April/May, monsoon (August), post monsoon (November), & winter (January) seasons for ground water level & in May for quality. Data generated from groundwater regime monitoring will be submitted to CGWB, Regional Office on an annual basis.	Regular monitoring of ground water level is under progress & its quality is being carried out and reports are submitted periodically to Regional office CGWB. The last report is submitted vide our latter no. JRP/EC/CGWB/2014 – 15/5822 dated 19.05.2014.Ground water Quality Report is Attached as Annexure – II .
X.	The project authority should implement suitable water conservations measures to augment ground water resources in the area in consultation with Regional Director, Central Ground Water Board.	Conservation measures are taken for augmentation of ground water by constructing the water harvesting structures (Anicuts) in nearby nalals.
XI.	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, CGWB.	Noted and planned long terms rain water harvesting by converting the old mine pits into water reservoirs.
XII.	Drills should be operated with dust extractors or should be equipped with water injecting system.	All drilling operation is being carried out with wet drilling system.
XIII.	Permission from the component authority for drawal of ground water, if any required for the project may be obtained.	No ground water withdrawal is required as rain water collected in old mined out pit is used for dust suppression and plantation throughout the year. Hence, no need of permission is required from CGWA.
XIV.	Vehicular emission should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.	All measures as stipulated are being adopted to control the vehicular emission during transportation.
XV.	Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Controlled blasting will be carried out to minimize the ground vibrations and to arrest fly rock. Blasting shall be carried out only during day time within fixed interval.
XVI.	Crusher should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emissions from crushing operations, loading , unloading areas including all the transfer points should be also have efficient dust control arrangements. These should be properly maintained and operated.	Crusher is provided with adequate capacity bag filters. Water sprinkling system, has also been provided at crusher, screens & transfer points. Haul roads are kept in wet conditions round the clock by water sprinklers. The photographs of a water tanker with sprinkling system is enclosed Annexure –III
XVII.	Consent to operate should be obtained from SPCB before starting production from this mine.	Consent to operate has been granted by MPPCB vide letter No. 9517 & 9515 /TS/Mine/MPPCB/2006 Dtd. 07.12.2006 and subsequently renewal of consent .
XVIII.	Sewage treatment plant should be installed for the colony. ETP should also provided for workshop and mineral separation plant wastewater.	Sewage treatment plant already exists in township of cement plant. A centralized Auto workshop is established at our plant site

		equipped with oil & grease trap for treatment of waste water.
XIX.	A Final mine closure plan along with details of Corpus found should be submitted to the Ministry of Environment & Forest 5 years in advance of final mine closure for approval.	Noted Agreed

B. General Conditions

No.	Conditions	Status of compliance
I.	No change in mining technology & scope of working should be made without prior approval of the Ministry of Environment & Forest.	Noted and Agreed
II.	No change in the calendar plan including excavation, quantum of limestone, waste / OB dumps should be made.	Noted and Agreed
III.	Conservation measures for protection of flora & fauna in the core & buffer zone should be drawn up in consultation with the local forest department and experts.	Noted and Agreed
IV.	Four ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, NO _x & SO ₂ . Location of the ambient air quality stations should be decided on meteorological data, topographical features & environmentally & ecologically sensitive targets & the frequency of monitoring should be undertaken in consultation with State Pollution Control Board.	Four Ambient Air Quality-monitoring stations installed at suitable location in the core zone as well as in buffer zone for PM ₁₀ , PM _{2.5} , NO _x and SO ₂ monitoring in consultation with SPCB. The frequency of monitoring has also been fixed in consultation with the SPCB. The monitoring report is attached as Annexure – IV (i) & IV (ii) .
V.	Data on ambient air quality (RPM, SPM, SO ₂ , NO _x and CO) should be regularly submitted to the Ministry including its Regional Office at Bhopal & the State Pollution Control Board / Central Pollution Control Board once in six months.	Data on environmental quality has been regularly submitted to the MoEF including its Regional Office at Bhopal, State Pollution Control Board and Central Pollution Control Board, once in six months. The last six month have already been submitted vide our letter no JAL/EC/MoEF/2014-15/5842 dated. 20.05.2014
VI.	Fugitive dust emission from all the source should be controlled regularly monitored and data recorded properly. Water spraying arrangements on haul roads , wagon loading , dumps , loading & unloading points should be provided and properly maintained.	Adequate measures are taken for control of Fugitive dust emission by sprinkling of water on haul roads, discharge points and covers on conveyor belts.
VII.	Adequate measures should be taken for control of noise levels below within prescribed standards. Workers engaged in blasting & drilling operations, operations of HEMM etc., should be provided with ear plugs / muffs.	Adequate measures have been adopted for control of noise levels and is maintained below 85 dB (A) in the work environment. Workman engaged in blasting and drilling operations, operations of HEMM etc., have been provided with ear plugs/muffs.
VIII.	Industrial wastewater (workshop & wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 & 31 st December 1993 or as amended from time to time. Oil & grease trap should be installed before discharge of effluents from the workshop.	No wastewater is generated from the mining operation. The waste water generated from Mine workshop is passed through oil and grease separator and settling tank and clean water conform to the standards. The collected water is being used for dust suppression on haul roads. Analysis data are attached as

		Annexure- V.
IX.	Acid mine water, if any has to be treated and disposed of after conforming to the standards prescribed the competent authorized.	No generation of acid mine water in limestone mines.
X.	Personnel working in dusty areas should wear protective respirator devices & they should also be provided with adequate trainings & information on safety & health aspects.	Personnel working in dusty areas have been provided protective respiratory devices and also they have been provided with adequate training and awareness on safety and health aspects.
XI.	Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to radioactive mineral dust and take corrective measures, if needed. The same programme may be extended to adjoining villages also.	Occupational health surveillance programme of the workers have been undertaken periodically and corrective measures are taken, if required. No exposure of radioactive materials in limestone mines. The details of occupational health surveillance program conducted during April –September 2014 is enclosed as Annexure-VI.
XII.	A separate environmental management cell with suitable qualified personnel should be set under the control of a senior executive who will report directly to the head of the Organization.	A separate environmental management cell with suitable personnel under the control of a senior executive has already been established. Organization chart of environment cell is attached as Annexure – VII.
XIII.	The funds earmarked for environmental protection measures should be kept in separate account & should not be diverted for other purpose. Year-wise expenditure should be reported to Regional Office, Bhopal of the MoEF and to the Ministry.	The expenditure incurred for Environment protection measures for the period April-September 2014 is Rs 5.61 /- lacs. (Expenditure details attached as Annexure – VIII).
XIV	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated environmental conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted and Agreed
XV.	A copy of the clearance, letter should be marked to the concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	Environment Clearance letter sent to respective Panchayat and receipt taken.
XVI.	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures & final approval of the project by the concerned authorities & the date of start of land development work.	Noted. The mine is in operation - since 19.12.2006.
XVII.	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center & the Collector's/Tehsildar's Office for 30 days.	Environment Clearance letter copy sent to respective deptt. and receipt taken.
XVIII.	The project authorities should advertise at least in two newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within 7 days of issuance of the clearance letter informing that the project has been accorded environmental clearance & a copy of the clearance letter is available with the State Pollution Control Board & may also be seen at website of the Ministry of Environment & Forest at http://envfor.nic.in .	Complied. The mine is already in operation since 19.12.2006.

**North - North Naubasta Limestone Mines
(A Unit of Jaiprakash Associates Limited)**

Plantation Details

S. No.	Name of Mine	Total Area (ha.)	Plantation (Nos.)
3	North – North Naubasta Lime Stone Mine	183.937	61585

Plantation Photograph



Annexure-II

NORTH - NORTH NAUBASTA LIME STONE MINE
(A UNIT OF JAIPRAKASH ASSOCIATE LIMITED)
GROUND WATER ANALYSIS REPORT (BORE WELL)
Period : April - September 2014

S. No.	Parameter	Unit	Location			
			Near Sakarwat	Near Kachur	Near Madheypur	Near Garhwa
1	Colour	Hazen	<1	<1	1	<1
2	pH	,--	7.3	7.6	7.4	7.2
3	Calcium	mg/l	45	42	51	56
4	Magnesium	mg/l	20	28	24	26
5	Sodium	mg/l	41	28	34	39
6	Fluoride	mg/l	0.2	0.4	0.3	0.5
7	Nitrate	mg/l	9	12	14	13
8	Sulphate	mg/l	52	61	45	53
9	Chloride	mg/l	35	41	29	46
10	Total Hardness	mg/l	462	412	487	459
11	TDS	mg/l	578	536	612	589

**North - North Naubasta Lime Stone Mine
(A Unit of Jaiprakash Associates Limited)**

Water Tanker Plying on Haulage Road



NORTH - NORTH NAUBASTA LIME STONE MINE
(A Unit of Jaiprakash Associates Limited)
HALF YEARLY AMBIENT AIR QUALITY MONITORING REPORT
 Period : April - September 2014
CORE ZONE

LOCATION 1 : NEAR DRILLING SITE													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	37	53	6	15	127	2.7	BDL	BDL	BDL	BDL	BDL	BDL
May		34	54	11	14	123	2.8	BDL	BDL	BDL	BDL	BDL	BDL
June		36	55	8	20	119	2.5	BDL	BDL	BDL	BDL	BDL	BDL
July		38	55	11	19	124	2.5	BDL	BDL	BDL	BDL	BDL	BDL
August		37	52	9	13	133	2.6	BDL	BDL	BDL	BDL	BDL	BDL
September		39	59	13	17	114	3.4	BDL	BDL	BDL	BDL	BDL	BDL
LOCATION 2 : NEAR L/S LOADING SITE													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	34	46	7	17	121	2.4	BDL	BDL	BDL	BDL	BDL	BDL
May		36	52	9	16	112	3.1	BDL	BDL	BDL	BDL	BDL	BDL
June		38	53	7	19	125	2.8	BDL	BDL	BDL	BDL	BDL	BDL
July		37	54	12	20	112	3.1	BDL	BDL	BDL	BDL	BDL	BDL
August		34	53	15	16	109	3.4	BDL	BDL	BDL	BDL	BDL	BDL
September		35	56	11	14	124	3.2	BDL	BDL	BDL	BDL	BDL	BDL
LOCATION 3 : NEAR HAULAGE ROAD													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	35	53	5	15	124	2.2	BDL	BDL	BDL	BDL	BDL	BDL
May		36	50	11	17	120	3.1	BDL	BDL	BDL	BDL	BDL	BDL
June		34	51	8	22	121	3.1	BDL	BDL	BDL	BDL	BDL	BDL
July		35	52	9	16	106	3.6	BDL	BDL	BDL	BDL	BDL	BDL
August		34	51	9	13	141	3.6	BDL	BDL	BDL	BDL	BDL	BDL
September		35	53	11	14	118	3.8	BDL	BDL	BDL	BDL	BDL	BDL
LOCATION 4 : NEAR WATER PUMP STATION													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	27	48	6	14	118	3.4	BDL	BDL	BDL	BDL	BDL	BDL
May		28	46	10	11	101	3.6	BDL	BDL	BDL	BDL	BDL	BDL
June		31	45	8	17	117	3.7	BDL	BDL	BDL	BDL	BDL	BDL
July		29	42	10	14	113	3.8	BDL	BDL	BDL	BDL	BDL	BDL
August		29	46	8	18	140	3.1	BDL	BDL	BDL	BDL	BDL	BDL
September		31	47	12	14	126	3.1	BDL	BDL	BDL	BDL	BDL	BDL

NORTH - NORTH NAUBASTA LIME STONE MINE

(A Unit of Jaiprakash Associates Limited)

HALF YEARLY AMBIENT AIR QUALITY MONITORING REPORT

Period : April - September 2014

BUFFER ZONE

LOCATION 1 : NEAR SAKARWAT													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	21	41	5	10	88	2.7	BDL	BDL	BDL	BDL	BDL	BDL
May		24	38	7	13	93	3.6	BDL	BDL	BDL	BDL	BDL	BDL
June		19	34	5	11	92	3.8	BDL	BDL	BDL	BDL	BDL	BDL
July		22	37	5	10	90	3.6	BDL	BDL	BDL	BDL	BDL	BDL
August		21	36	7	9	92	3.6	BDL	BDL	BDL	BDL	BDL	BDL
September		23	37	11	14	100	3.1	BDL	BDL	BDL	BDL	BDL	BDL
LOCATION 2 : NEAR KACHUR													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	18	40	6	11	97	2.3	BDL	BDL	BDL	BDL	BDL	BDL
May		23	36	11	12	95	3.5	BDL	BDL	BDL	BDL	BDL	BDL
June		22	34	5	8	106	3.7	BDL	BDL	BDL	BDL	BDL	BDL
July		24	39	6	9	101	3.3	BDL	BDL	BDL	BDL	BDL	BDL
August		27	45	9	14	108	3.9	BDL	BDL	BDL	BDL	BDL	BDL
September		24	37	9	12	111	3.8	BDL	BDL	BDL	BDL	BDL	BDL
LOCATION 3 : NEAR MADHEYAPUR													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	20	41	4	12	102	2.2	BDL	BDL	BDL	BDL	BDL	BDL
May		22	33	10	13	99	3.8	BDL	BDL	BDL	BDL	BDL	BDL
June		20	36	8	9	108	3.2	BDL	BDL	BDL	BDL	BDL	BDL
July		20	38	10	12	100	3.1	BDL	BDL	BDL	BDL	BDL	BDL
August		21	34	8	13	102	4.1	BDL	BDL	BDL	BDL	BDL	BDL
September		20	35	11	12	108	3.4	BDL	BDL	BDL	BDL	BDL	BDL
LOCATION 4 : NEAR GARHWA													
Month	Particulates	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	SO ₂ (mg/m ³)	NO _x (mg/m ³)	CO (mg/m ³)	O ₃ (mg/m ³)	Pb (mg/m ³)	NH ₃ (mg/m ³)	C ₆ H ₆ (mg/m ³)	BaP (ng/m ³)	As (ng/m ³)	Ni (ng/m ³)
April	Monthly Average	19	39	7	12	95	3.1	BDL	BDL	BDL	BDL	BDL	BDL
May		20	34	9	14	92	3.0	BDL	BDL	BDL	BDL	BDL	BDL
June		21	36	5	9	100	3.6	BDL	BDL	BDL	BDL	BDL	BDL
July		20	37	7	11	93	4.0	BDL	BDL	BDL	BDL	BDL	BDL

August		26	39	5	12	84	5.0	BDL	BDL	BDL	BDL	BDL	BDL
September		25	40	8	12	99	3.3	BDL	BDL	BDL	BDL	BDL	BDL

Annexure – V
NAUBASTA LIME STONE MINE
(A UNIT OF JAIPRAKASH ASSOCIATES LIMITED)
AUTOWORK SHOP
TREATED EFFLUENT ANALYSIS REPORT

Period: April – September 2014

S. No	Parameter	Standard	Analysis					
			April	May	June	July	August	September
1	pH	5.5 – 9.0	7.2	7.3	7.4	7.3	7.5	7.4
2	TSS (mg/l)	100	29	32	35	28	34	26
3	Oil & Grease (mg/l)	10	3.2	4.1	2.8	3.4	2.8	4.0
4	COD (mg/l)	250	95	78	102	86	71	83

JAYPEE REWA HOSPITAL

(UNIT OF JAIPRAKASH ASSOCIATES LIMITED)

OCCUPATIONAL HEALTH RECORD MEDICAL EXAMINATION REPORT
APRIL - SEPTEMBER 2014

OCCUPATIONAL HEALTH RECORD	Employees Examined
PFT	745
AUDIOMETRY	658
EYE TEST	190
MSD	331
DERMATITIS	322
TOTAL	2246

**NORTH NORTH NAUBASTA LIMESTONE MINES
(A UNIT OF JAIPRAKASH ASSOCIATES LIMITED)
Environment Management Expenditures for Improvement**

Period: April – September 2014

Sr. No	Environmental Activities	Recurring Expenses in Rs. (lacs)
1	Green Belt Development	5.41
2	Ground Water Reports	0.20
	Total Expenditure	5.61