



NORTHERN COALFIELDS LIMITED

(A Mini Ratna Company)

OFFICE OF THE GENERAL MANAGER

JAYANT PROJECT

P.O. Jayant Colliery

Distt. Singrauli (MP) PIN 486890

Phone/Fax 07805-222228



No JNT/GM/Env/CMPDI/16/ 1292

Date: 1.12.2016

To,

The Regional Director

RI-6, CMPDI.

Jayant

Sub: Certified Copy of Compliance in respect of EC conditions for 15.50 MTPA for Jayant Project

Ref: (i) Letter no CMPDI/RI-VI/Env/32/1996 dtd. 09.03.2016

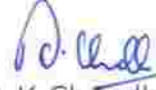
(ii) Our letter no. Jnt/GM/Env/CMPDI/16/338 dtd. 25.03.2016

Dear Sir,

With reference to the above cited subject matter, the certified copy of compliance of existing EC (15.50 MTPA) of Jayant Project has been received from MOEF & CC office, Bhopal which is enclosed herewith for the purpose of submission/uploading Form-I to MOEF, for Jayant Expansion Project for 20 MTPA (peak 25 MTPA). The same is also submitted through mail.

This is for your kind information and further needful action please.

Yours faithfully,


(A.K. Choudhary) 11/12/16
General Manager
Jayant 11/12/16

Copy to:

(1) The GM(Envt), NCL, Singrauli

(2) The GM (CP), NCL, Singrauli



भारत सरकार
GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन
मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST
& CLIMATE CHANGE

SPEED POST

क्षेत्रीय कार्यालय, पश्चिम क्षेत्र,
Regional Office, Western Region
केन्द्रीय पर्यावरण भवन
"Kendriya Paryavaran Bhavan"
लिंक रोड नं०-3/Link Road No. 3
E-5, रविशंकर नगर/Ravi Shankar Nagar,
भोपाल (म.प्र.)/Bhopal-462016 (M.P.)
फोन: 0755- 2465054, फैक्स: 0755& 2463102
अणुडाक /E-mail: recfbhopal@gmail.com

क्रमांक: 3-31/92(ENV) /412

प्रति,

डॉ० एस.के. श्रोवास्तव,
वैज्ञानिक 'एफ',
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन,
जोर बाग रोड, अलीगंज,
नई दिल्ली - 110003

दिनांक : 24.11.2016

१५

4243
29/11/16

विषय: जयंत ओपन कॉस्ट कोल माईन (10 एम.टी.वाय. और ई.सी. कॉन्सैट ऑफ 15.50 एम.टी.पी.ए.)

संदर्भ: मंत्रालय का पत्र क्रमांक J-11015/382/2008-IA.II(M) दिनांक 10.12.2008 एवं तत्पश्चात जारी किया गया शुद्धिपत्र क्रमांक J-11015/382/2008-IA.II(M) दिनांक 15.04.2009

महोदय,

मंत्रालय के उपरोक्त संदर्भित पत्रांकों के संदर्भ में उक्त परियोजना को पर्यावरणीय दृष्टिकोण से अनुमति देते समय अनुबद्ध शर्तों के अनुपालन की अनुवीक्षण प्रतिवेदन (मॉनिटरिंग रिपोर्ट) एतद् द्वारा संलग्न कर प्रेषित है। अनुवीक्षण प्रतिवेदन मंत्रालय की वेबसाइट पर भी अपलोड की जा रही है।

Smr (Env)
Smr (P/S)

10.11.16

संलग्न उपरोक्तानुसार

भवदीय

(डॉ. एच.बी.सी. चारी गन्तुपल्ली)

वैज्ञानिक 'डी'

29/11/16

- प्रतिलिपि: 1. श्रीमति गीता खन्ना, निदेशक, (अनुवीक्षण सैल), पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, इंदिरा पर्यावरण भवन, जोर बाग रोड, अलीगंज, नई दिल्ली-110003 की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु।
2. महाप्रबंधक, नॉर्थन कोलफिल्ड्स लिमिटेड, जयंत प्रोजेक्ट पी.ओ. जयंत कोलियरी जिला सिंगरौली (म.प्र.) - 486890

Ghrachy 24/11/2016

(डॉ. एच.बी.सी. चारी गन्तुपल्ली)

वैज्ञानिक 'डी'

Monitoring the Implementation of Environmental Safe Guards
Ministry of Environment & Forest
Western Region, Regional Office, Bhopal
MONITORING REPORT

PART-I
DATA SHEET

1	PROJECT TYPE (River/Valley/Mining/Industry/ Thermal/Nuclear/Other)	Mining (Coal)
2	Name of the project	Jayant Open Cast Coal Mine (10 MTY with EC consent of 15.50 MTPA)
3	Clearance letter (s)/OM number and Date	No. J-11015/382/2008-IA.II(M) dated 10 th Dec. 2008 And Corrigendum issued vide No. J-11015/382/2008-IA.II(M) dated 15 th April 2009
4	Location	Dist - Singrauli State - Madhya Pradesh Latitude - 24° 08' 45" N to 24° 11' 25" N Longitude - 82° 38' 21" E to 82° 40' 45" E
5	Address for correspondence: Address of concerned Project Chief Manager (with PIN code & telephone/Telex/Fax no. etc.)	The General Manager. Northern Coalfields Ltd. Jayant Project. P.O: Jayant Colliery. Dist: Singrauli (M.P.) Pin- 486890 Phone no.- 07805-222228 Fax No. 07805-222228 Head at company level: The GM(Envt). NCL. Singrauli. At project level: Sr. Manager(Envt). Jayant. NCL.
6	Salient features of Project. Environmental management Plan	<ul style="list-style-type: none"> ➤ Jayant Project is a 10 MTY opencast coal mine with EC consent of 15.50 MTPA . ➤ It has capital investment of 375.04 Cr.as on year 1988. ➤ Total mine lease area is 2704 Ha. ➤ It has work force of 2296 no.as on 30.09.2016. ➤ It is worked with dragline and shovel dumper combination as well. ➤ It has three coal seams , the average thickness is as below: Turra -20-22 m Purewa top seam -7-8 m Purewa bottom seam -12-15 m ➤ Average gradient of coal seam- 2" to 5" ➤ The total capital cost of the project is 945.86 Cr.as on dtd. 31.03.2016. ➤ There is regular plantation done in the mine area (external and internal dump) and plain area as well within its leasehold area. ➤ Till date 30.40 lakh plants has been planted in dumps and plain area.

7	Break-up of the Project Area.	Submergence area (Forest & Non Forest): Nil. Others: Tenancy : 1075 Ha. Govt. Land: 467 Ha. Forest Land : 1162 Ha. Total : 2704 Ha.
8	Break-up of Project affected population with enumeration of those loosing houses/dwelling units only, agricultural land only, both dwelling units & agricultural land, landless labourers/artisans, SC/ST Adivasis, Others. Please indicate whether those figures are based on any scientific & systematic survey carried out or only Provisional figures. If a survey is carried out, give details & year of survey others.	Total Nos. of PAPs = 1545 SC= 60. ST=356. Others=1129 1. Loosing house & land= 668 (plot given to 530 nos., rest 138 nos. not claimed for plot.) 2. Loosing only land= 877 (given compensation and other facilities to 877 nos. as per R&R policy.)
9	Financial details: (a) Project cost as originally planned & subsequently revised estimate and the years of price reference. (b) Allocations made for Environmental management plans, with item wise and year wise break-up. (c) Benefit cost ratio/return on investment/internal rate of return and year of assessment. (d) Whether (c) includes the cost of environmental management as shown in (b) above. (e) Actual expenditure incurred on the Project so far. (f) Actual expenditure incurred on environmental	(a)Original Cost : Rs. 313.61 Cr. in year 1983 Revised Cost:Rs. 375.04 Cr. as on year 1988. Total capital expenditure incurred till 31.03.2016 of the project for 10 MTPA capacity is Rs. 945.86Crores. (including 389.55 Crores as replacement capital.) (b) The allocation made for EMP are as follows: Rs. 3.90 Cr for anti-pollution control measures Rs. 7.07 Cr. For technical reclamation and 0.10 cr. for scientific research and technical studies as well. Total budgeted allocation : Rs. 11.07 Cr as per EMP for 15.50 MTPA (c) Return on Investment (ROI)431.28% as on 31/03/2016. (d) Yes (e) Total capital expenditure incurred till 31.03.2016 of the project for 10 MTPA capacity is Rs. 556.31Crore. (excluding replacement capital of Rs. 389.55 Crores). (f) Actual Expenditure incurred for EMP for last 3 years 2015-16 :Rs. 10.43 Cr. 2014-15 :Rs. 9.25 Cr.

	management plans in the year 2015-16	2013-14 : Rs. 6.21 Cr Revenue cost : There is provision of Rs. 5.50 Rs/te (every year) for plantation, environment monitoring /wuditing, Socio Economic /peripheral development , Misc. pollution control measures.. Compliance of statutory obligations like consent to operate fee, water Cess payment and authorization etc.
10	<p>Forest land Requirement:</p> <p>(a)The status of approval of diversion of forest for non forestry use:</p> <p>(b) The status of compensatory afforestation.</p> <p>(c) The status of clear felling.</p> <p>(d) Comments on viability and sustainability of compensatory afforestation programme in the light of actual field experience so far:</p>	<p>(a)1162.171 Ha. of forest land has been approved. Out of these 943.146 Ha has been acquired before FC Act 1980 and 219.171Ha after FC Act.</p> <p>(b)An amount of Rs. 38.00 Lakhs have been deposited to <u>M.P. Forest deptt. against compensatory afforestation of 220.278 Ha. AtGopadbanas&Majhauri Tehsil area.</u></p> <p>(c)168.290 Ha. area has been completed with all activities related to felling.</p> <p>(d) The compensatory afforestation programme is done by MP Forest Department and the amount of expense is paid to them by NCL.</p>
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads) if any with quantitative information.	NIL
12	<p>Status of construction:</p> <p>Date of commencement (Actual and/or planned)</p> <p>Date of completion (Actual and/or planned)</p>	<p>17-2-1975</p> <p>10.12.2008 (for enhance production 12.50 to 15.50 MTY)</p> <p>Planned for up to 2019-20 (@ rate of 15.5 MTY)</p>
13	Reasons for the delay if the Project is yet to start.	Not applicable.
14	<p>Dates of site visit</p> <p>a) Date on which the project was monitored by the RO on previous occasion (if any)</p> <p>b) Date of the site visit for the monitoring report</p>	<p>---</p> <p>04.10.2016</p>
15	Point wise report regarding implementation of environmental safeguards as stipulated in clearance letter mentioned at Sl.No.3	All the points covered under the sl. No. 3 regarding environmental safeguards stipulated in the EC consent letter is deliberated in detail on pg no- 4-12 of this letter.
16	Status of environmental control measures as specified in EMPs. Air pollution Noise Pollution & Water Pollution.	Environmental control measures are being adopted as specified in EMPs. Monitoring is being done by CMPDI, RI-VI, Jayant and State Pollution Control Board.

17	Details of correspondence		
	Date	Letter from RO	Date PA Reply from
			06/07/2016 Letter no. JNT/GM/Env/16/745
			10/03/2016 Letter no. JNT/GM/Env/Form-1/16/285
			03/11/2016 Letter no. JNT/GM/Env/16/1197

PART – II & III

DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE FOR THE PERIOD OF APRIL 2016 - SEPTEMBER, 2016 TO CONDITIONS OF ENVIRONMENTAL CLEARANCE AND ENVIRONMENTAL MANAGEMENT

(a) O.M. No.: J/11015/4/82-Env-5/IA-II(M) dated 04.12.1992

	Conditions	Compliance status															
1	<ul style="list-style-type: none"> ➤ The level of SPM concentration should not exceed 500 μcum at any station within the mine lease hold. ➤ Emission of SO_2, NO_2 and CO should be maintained below the levels prescribed by the competent authority. 	<ul style="list-style-type: none"> ➤ Regular monitoring is being carried out by CMPDI, RI-VI, Jayant for SPM, RSPM, SO_2 and $(\text{NO})_x$ and report is regularly submitted. ➤ The environment lab at CMPDI, RI-VI, Jayant is well equipped and facilitated by well qualified chemists also. ➤ Monitoring report for QE June 2016 is appended below: <table border="1" data-bbox="857 813 1463 1043"> <thead> <tr> <th>Particulars</th><th>Actual Result ($\mu\text{g}/\text{m}^3$)</th><th>Permissible limits ($\mu\text{g}/\text{m}^3$)</th></tr> </thead> <tbody> <tr> <td>SPM</td><td>327</td><td>600</td></tr> <tr> <td>RSPM</td><td>198</td><td>300</td></tr> <tr> <td>SO_2</td><td>23</td><td>120</td></tr> <tr> <td>NO_x</td><td>28</td><td>120</td></tr> </tbody> </table> <ul style="list-style-type: none"> ➤ The results reveal that the SPM concentration and emission of SO_2 and NO_x is well within the permissible limit. However, the lab is not accredited. Test should be done through accredited lab only henceforth ➤ It has been reported that EMP was prepared only in 2008 which is being complied and reflected in the compliance Report of 2008. <p style="text-align: center;">Condition complied</p>	Particulars	Actual Result ($\mu\text{g}/\text{m}^3$)	Permissible limits ($\mu\text{g}/\text{m}^3$)	SPM	327	600	RSPM	198	300	SO_2	23	120	NO_x	28	120
Particulars	Actual Result ($\mu\text{g}/\text{m}^3$)	Permissible limits ($\mu\text{g}/\text{m}^3$)															
SPM	327	600															
RSPM	198	300															
SO_2	23	120															
NO_x	28	120															
	<p>The quality of effluent finally discharged in the main water course should confirm to the standard prescribe under CSR 195 (E) dated 12-9-88</p>	<ul style="list-style-type: none"> ➤ At Jayant mine, the effluent of ETP is treated and recycled for industrial use like water spraying on haul roads and even in CHP. It is also used for washing purpose in HEMM workshop. ➤ There is no discharge of effluent reported from Jayant mine in to main water course as the same is recycled. ➤ The details of test parameters of treated water are as follows which is well within the permissible limits. ➤ Test results are not certified by accredited lab. 															

		<table border="1"> <thead> <tr> <th>Parameters</th><th>Norms</th><th>Test Result (after treatment)</th></tr> </thead> <tbody> <tr> <td>TSS(mg/l)</td><td>100</td><td>78</td></tr> <tr> <td>pH</td><td>5.5-9.0</td><td>8.18</td></tr> <tr> <td>Oil & grease(mg/l)</td><td>10</td><td>3</td></tr> <tr> <td>COD(mg/l)</td><td>250</td><td>29</td></tr> </tbody> </table> <p>Condition complied.</p>	Parameters	Norms	Test Result (after treatment)	TSS(mg/l)	100	78	pH	5.5-9.0	8.18	Oil & grease(mg/l)	10	3	COD(mg/l)	250	29
Parameters	Norms	Test Result (after treatment)															
TSS(mg/l)	100	78															
pH	5.5-9.0	8.18															
Oil & grease(mg/l)	10	3															
COD(mg/l)	250	29															
III	No change in the method of working (including calendar plan of excavation) made without prior consultation of the ministry.	<ul style="list-style-type: none"> ➤ It has been reported that there is no change in the method of working of Jayant OCP. ➤ The calendar plan of excavation is reported to be followed strictly. <p>Condition complied</p>															
IV	The external Dump area and internal dump should be biologically reclaimed. The external dumps area should not exceed 166 Ha.	<ul style="list-style-type: none"> ➤ The external dump area of 118.65 Ha has been reported to be technically and biologically reclaimed which is well within 166 Ha. ➤ The internal dump which has attained its pre defined height is also reported to be technically and biologically reclaimed. The total area of internal dump reclaimed as on 30.09.2016 is 391.22 Ha. <p>Condition complied</p>															
V	The reclamation plan and land use plan as envisaged in the EMP should be strictly implemented. Also green belt should be provided in other areas like mine colony interface, CHP area etc. to attenuate noise level and also to arrest fugitive dust.	<ul style="list-style-type: none"> ➤ All the provisions of EMP of 2008 is reported to being implemented. The total area of reclamation is 699.88 Ha including dump area and plain area as well. ➤ The green belts are also provided in CHP colony to attenuate the noise levels and arrest the air born dust. ➤ 30.40 lakhs plants have been reportedly planted till date (as on 30.09.2016). <p>Condition complied</p>															
VI	Environment management cell has to be established to carry out function relating to environmental management action plan. The head of the cell should be directly report to the Chief executive.	<ul style="list-style-type: none"> ➤ Environmental Management Cell has been established at Jayant Project, consisting of one Sr. Manager (Env), One MT (Env), one forest supervisor. ➤ It is headed by Dy. General Manager (Civil), Jayant who reports directly to the General Manager of the Project. ➤ Day to day technical guidance is being done by GM (Environment) at corporate level who 															

		<p>is directly reporting to CMD through Director (T/P&P).</p> <p>But none of the personnel are of Environmental background. They are mining and civil engineers. NCL has been asked to recruit some personnel with core environmental background.</p> <p>Partly complied.</p>
VII	Adequate fund provision (capital and recurring expenditure) should be made for implementation of all safe guard measures and the fund should not be diverted for other purposes.	<ul style="list-style-type: none"> ➤ As reported, the capital fund is provided in EMP (10 MTY with EC consent of 15.50 MTPA) which is Rs. 11.07 Crore for environment control measures. ➤ For recurring expenditure on environment management, no separate fund is provided though actual expenditure on different activities is sanctioned. ➤ The total expenditure on environment control measures during last three years are as follows: 2015-16---- Rs. 10.43 Cr 2014-15-----Rs. 9.24 Cr 2013-14-----Rs. 6.21 Cr. ➤ The escrow account is also operating the detail of which are as below: AC no. 391703800000527 Bank Name: Union Bank of India, Morwa <p>Condition complied.</p>
VIII	The ministry or any other competent authority may stipulate any other condition at any stage. The ministry reserves the right to modify the conditions to revoke the approval if necessitated either due to change in scope and consequent environmental scenario or the feedback from monitoring the impacts of the project.	<p>It is reported that any condition stipulated by ministry or any other competent authority is complied strictly at project level. A separate EC dated 2008 was later issued with a sets of new conditions for which compliance report submitted separately.</p> <p>Condition complied.</p>
IX	Environmental compliance status report vis-a vis project progress should be submitted for the scrutiny of this ministry once in six months regularly.	<p>Environmental compliance status report is being reportedly submitted regularly on every six months.</p> <p>Condition complied.</p>
X	Regular monitoring of air and water quality should be made in and around the core zone. The sampling points and frequency should be decided in consultation with state pollution control board. The quarterly data should be furnished to ministry regularly.	<p>Ambient Air Quality (AAQ) Monitoring stations are reported to have been established at following places:</p> <p>Core Zone:</p> <ol style="list-style-type: none"> 1) CETP 2) Coal sub station 3) CWS.GM office 4) Rose Garden <p>Buffer Zone:</p> <ol style="list-style-type: none"> 1) Madhauri Sub Station

	<p>2) Nigahi STP</p> <p>3) CMPDI Camp, Singrauli</p> <p>4) Surya Kiran Bhawan</p> <p>Locations of sampling sites for water quality monitoring are as follows:</p> <ol style="list-style-type: none"> 1) Inlet of Mine Effluent Treatment Plant 2) Outlet of Mine Effluent Treatment Plant 3) Inlet of combined Effluent Treatment Plant 4) Outlet of combined Effluent Treatment Plant 5) Discharge of Sewage Treatment Plant 6) Overflow of Mudwani dam 7) Downstream of Mudwani Nalla near gole Market 8) Downstream of Ballianalla near Shakti nagar road crossing 9) Main reservoir of Jayant colony. <p>Regular Monitoring of Air and water is being done by CMPDI and reportedly being submitted regularly. However, consultation with state PCB does not seem to have taken place in selecting the stations, as was mandated in the condition.</p> <p>Partly complied.</p>
--	--

**(b) vide No. J-11015/ 382/ 2008 -IA.II (M) dated 10.12.2008
(expansion in production from 12.5 MTPA to 15.5 MTPA)**

Sr.N	Conditions	Compliance as on 30.09.2016
0		
A	Specific Conditions	
I	No mining shall be carried out in the forestland for which forestry clearance has not been obtained.	<p>It is reported that as per the condition of EC consent letter, mining at Jayant OCP was neither carried out earlier in the forestland nor it is being carried out at present. (for which forestry clearance has not been obtained).</p> <p>Condition complied.</p>
II	Mining shall be carried out as per statute at a safe distance from the Ballia Nallah. No modification of the natural drainage shall be done in the expansion project.	<p>Jayant OCP is reported to be situated at a distance of 4.2 km. which is at a safe distance from the Ballia Nallah.</p> <p>(it is reported that the safe distance is not specified in the EMP).</p> <p>Modification of the natural drainage has not been carried out in the expansion project.</p> <p>Condition complied.</p>
III	Topsoil to be stacked properly with proper slope at ear marked site (s) and shall not be kept active and shall be used for reclamation and development of green belt.	<p>Complied.</p> <p>Topsoil (soil & sandy soil) is reportedly available in patches which are generally 1.0 to 1.50 m thick.</p> <p>Top soil removed is stated to be stored properly at earmarked place. These dumps (of top soil) is not kept active, as informed. It is used for reclamation of</p>

dumps and development of green belt.
The detail of top soil stacked is as follows:

Sl.	Month	Stacking (m ³)	Utilization (m ³)
1	Apr'16	2250	Utilized during plantation
2	May'16	2355	
3	June'16	615	
4	July'16	975	
5	Aug'16	Nil	
6	Sept'16	Nil	

IV

➤ No new external OB dumps shall be created. OB stored in two external OB dumps of a max. height of 90m, consisting of 3 benches of 30m each, has been stabilized with plantation and no new OB generated in the balance life of the mine shall be dumped on the existing OB dumps and the height of the existing dump shall not be increased from the present 90m.

➤ OB generated in the balance life of the mine shall be back filled into the de-coaled void only by concurrent backfilling and by re-handling at the time of mine closure into the de-coaled void. Slope stability study shall be undertaken to determine if the backfilled void height can be raised to a max. height of 90-100m with an overall angle not exceeding 28°.

➤ Copy of the report on slope stability shall be furnished to this Ministry and to RO, MOEF, Bhopal and only with prior approval based on slope stability the dump height on de-coaled void shall be raised to 100m.

➤ The backfilled area/dump shall be stabilized with plantation (existing external OB dump of a balance area of 630 ha and 996 ha of backfilled Internal dump). Geo-textile material shall be used to stabilize critical areas of the dump. Monitoring and management of reclaimed existing dump sites and the reclaimed internal dump shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located

PP submitted the following:

➤ No new external dump has been created. The earlier two nos. of external OB dumps, in western side with final RL-425m and on eastern side with final RL-413m have been completed as per mine closure plan.

These two external OB dumps have been technically and biologically reclaimed with plantation in 118.65 Ha area out of total area of 166 Ha.

➤ As of now, all OB is being backfilled in to de-coaled area.

➤ Backfilled void has been raised up to a maximum height 90-100 m.

➤ Overall slope angle of the backfilled dump has been kept at less than 28° as specified in the condition.

➤ Slope stability study at Jayant Project has been conducted by BIT, Mesra and CMPDI, Ranchi. The report of this study has been submitted to RO, MOEF, Bhopal. (copy enclosed for ready reference)

➤ The back filled area /dump has been technical and biological reclaimed.

➤ Its compliance status is sent to MOEF and its Regional offices as well.

Complete reply missing about geo-textile material to stabilize critical areas etc. Complete status also does not seem to have been submitted.

at Bhopal on a yearly basis.

Partly complied.

V	<ul style="list-style-type: none"> ➤ Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. ➤ The water so collected shall be utilized for watering the mine area, roads, green belt development etc. ➤ The drains shall be regularly desilted and maintained properly. ➤ Garland drains (size gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. ➤ Sump capacity shall also be provided adequate retention period to allow proper settling of silt material. 	<p>PP submitted the following:</p> <ul style="list-style-type: none"> ➤ Considering the water & silt quantity, Catch drains & Siltation ponds have been properly designed & constructed which are covering the present dump's flow of any loose soil. ➤ Catch drains of size (width at top- 2 m, width at bottom- 1 m & depth- 1 m) has been constructed around the periphery of the OB dump to arrest silt and sediment flows from the respective dump flows. ➤ Siltation pond is constructed to contain mine water at the coal face of mine. ➤ Collected water is used for sprinkling on haul roads, HEMM washing, & in CHP for dust suppression(after treatment at ETP). ➤ De-silting of drains is done every year. ➤ Garland drains (Its gradient varies from 3° to 10° and its total Length= 2.7 Km) has been constructed. Sumps are properly designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area or adjoining the mine site. ➤ Mine Sump has adequate capacity to allow adequate retention period of collected water and allow proper settling of silt material. ➤ In addition to the above gabion wall (length- 6 km) has been constructed to at the toe of the dump for its stabilization and also arrest the flow of silt as well and other vulnerable places also. <p>Condition complied.</p>
VI	<p>Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run off and situation shall be based on the rainfall data.</p>	<ul style="list-style-type: none"> ➤ Retaining Wall (total Length= 11.5 Km) is stated to be designed & constructed after due consideration of rainfall data and angle of repose. ➤ Height of the retaining Wall above the ground level ranges from 2m to 3.5m based on the site specific conditions. <p>Condition complied</p>
VII	<ul style="list-style-type: none"> ➤ CHP would be fully enclosed. ➤ Crushers at the CHP shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing 	<p>PP submitted the following:</p> <ul style="list-style-type: none"> ➤ Jayant CHP is fully enclosed. ➤ In CHP Crusher dust extractor and mist spray system for dust suppression is being used. ➤ The fixed water spraying is done all along the CHP conveyor System and transfer points.

	operations, conveyor system, haulage rods, transfer points etc.	<ul style="list-style-type: none">➤ As far installation of bag filter is concerned, the purpose is already satisfied with the installed water spraying system .➤ Regular monitoring of dust suppression at CHP is done and if needed bag filters shall be installed.➤ The total length of belt conveyor is 16.0 Km. <p>Condition complied.</p>				
VIII	Drills shall be wet operated only.	<p>Following have been submitted by PP</p> <ul style="list-style-type: none">➤ High capacity drills with latest dust extraction advanced system are being used.➤ The dust extractor so installed in drills fulfills the very purpose of dust suppression at source and when accumulated . its disposed off at far places/in dumping.➤ This device of dust extraction is far more reliable in comparison to wet drilling. <p>Condition complied.</p>				
IX	<ul style="list-style-type: none">➤ Controlled blasting shall be practiced between 1PM to 2 PM only with use of delay detonators and only during daytime.➤ The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.	<ul style="list-style-type: none">➤ Controlled blasting with use of delay detonators is in practice and blasting is done between shift change hours i.e. 2PM to 2.30 PM in day time only. (Earlier the shift change over time was 1.0 Pm to 2.0 PM) so as to minimize the impact of dust and noise pollution.➤ It is reported that Charging of holes and total charge per blast is maintained to control ground vibration within permissible limit for which the same is monitored frequently.➤ Electronic detonators are used in Jayant project for minimization of ground vibration and even fly rocks too. <p>condition complied.</p>				
X	The entire coal of 43000 TPD shall be transported by MGR with Silo loading facility only. There shall be no mineral transportation by road.	<p>The entire coal is reported to be loaded through CHL &Silo to the Merry Go Round (MGR) system and transported by rail only. The transportation of coal is limited to 43000 TPD.</p> <p>Condition complied</p>				
XI	A progressive afforestation plan shall be implemented covering a total area of not less than 1450.77 ha which included reclaimed external OB dump (630 ha) backfilled area (996 ha) along ML boundary along roads and infrastructure (19.30 ha) green belt (74 ha), along vacant land (242.82 ha) and in colony by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.	<p>Partly complied. No detailed plan for completing the target given .</p> <p>The details of afforestation at present and as submitted is as follows:</p> <p>Total area of afforestation shall be complied only after closure of mine. However, it's under expansion programme for 20 MTPA (peak 25 MTPA) and mine will be exhausted by 2035-36.</p> <table><tr><td>Type of Land</td><td>Total Plantation Area (in Ha)</td></tr><tr><td></td><td></td></tr></table>	Type of Land	Total Plantation Area (in Ha)		
Type of Land	Total Plantation Area (in Ha)					

		External OB Dump	118.65
		Internal OB Dump	391.22
		Greenbelt in colony area	21.30
		Greenbelt on vacant land	74.00
		Other Plantations	94.71
		Total	699.88
		The expenditure (in Rs. Lakh) on plantation for last five years are as follows:	
		2011-12	58.84
		2012-13	45.35
		2013-14	52.64
		2014-15	38.69
		2015-16	37.80
XII	<ul style="list-style-type: none"> ➤ Of the excavated area, an area of 996 ha shall be backfilled and reclaimed with plantation and the balance 114 ha of the de-coaled void shall be converted into a water reservoir, the higher benches of which shall be gently sloped and stabilized by plantation/afforestation by planting native plant species in consultation with local DFO/Agriculture department Biological reclamation of backfilled areas shall commence immediately and the balance as a time bound manner. ➤ The density of the trees shall be around 2500 plants per ha. 	<p>Following have been submitted by NCL:</p> <ul style="list-style-type: none"> ➤ Major part of the de-coaled void is being backfilled and reclaimed with plantation after achieving the planned height of Dump. ➤ Balance 114 ha of the de-coaled void shall be converted into a water reservoir which will be gently sloped along the higher benches and stabilized by plantation/ afforestation at the time of closure of mine. ➤ The density of the trees is being kept at 2500 plants/Ha on plain area and on OB dumps <p>Condition complied</p>	
XIII	<ul style="list-style-type: none"> ➤ The company shall obtain approval of CGWA/CGWB Regional Office for use of ground water. ➤ If any, for mining operations, sanction of the competent authority shall be obtained for use of water from the integrated Water Supply Scheme of the G.B. Pant Sagar. 	<ul style="list-style-type: none"> ➤ Ground water is presently not used for mining operations. ➤ Sanction of competent authority for use of water from G.B.PantSagar (Rihand) has been obtained by NCL, the then Central Coalfields Ltd. vide No. 21-4/13/NCR/CGWA/2007/626 dtd 20th August 2007. <p>Condition complied</p>	
XIV	<ul style="list-style-type: none"> ➤ Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and construction of new peizometers. ➤ The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post monsoon (November) and winter (January) seasons and for quality in May. ➤ Data thus collected shall be submitted to 	<ul style="list-style-type: none"> ➤ Monitoring of ground water level and quality is reportedly being carried out in four seasons, by establishing a network of dug wells. The monitoring of ground water level has been started from last five years. ➤ Nine Piezometers have been installed at Jayant Project. One no. of automatic depth monitoring machine is already installed at one deep borewell. ➤ Details of water monitoring level with the help of Peizometer are appended below: 	

the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.

Date	Water level(mWC)	Increase(+)/decrease(-) in water column(mWC)
1.05.2016	-12.37	-0.25
1.06.2016	-12.36	-0.26
1.07.2016	-12.89	-0.26
1.08.2016	-12.54	-0.35
1.09.2016	-8.15	+4.39

- Ground water monitoring is being done by CMPDI on regular basis in all piezometer.
 - Ground Water Monitoring report is reportedly regularly submitted to the Ministry of **Environment & Forests** and **CPCB** as well.
- Condition complied**

XV Check dams, water channels and other water recharge structures shall be constructed in consultation with the local communities.

- Two nos of check dams have been constructed in mine Area to arrest mine water so that it doesnot flow in the natural course of water of surrounding area.
- Check dams have also been constructed at Jaitpur village in consultation with the local communities.

However, it is not reported or established if more such structure is required.

Partly complied.

XVI

- The company shall put up artificial ground water recharge measures for augmentation of ground water resource.
- The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

NCL has submitted the following:

- 6 numbers of Water harvesting facilities were constructed at CGM Office complex, Executive hostel, VIP Guest house, Officers club etc.
- Jayant Project has provided RO plants at nearby villages i.e. Jaitpur and sarswah.
- Water tanks have also been provided to Medhauli village and its regularly filled up by mobile water tankers as per requirement.

Condition complied

XVI
1

- The capacity of sewage treatment plant to treat the entire domestic sewage of 4000 cum/d generated from the project shall be installed in the existing colony.
- ETP shall also be provided for workshop and CHP wastewater to ensure that the total wastewater of 40,000 m³/d being discharges form the mine conforms to prescribed standards for discharge.
- Water from both STP and ETP shall be recycled and used for project activities to the extent possible.

- 4.00 MLD capacity STP has been constructed and maintained, in operation for treatment of domestic sewage from colonies.

- ETPs of 40 MLD capacity are in operation for treatment of effluent generated from workshop & CHP and mine discharge. The treated water conforms to prescribed standards.

- Most of the treated water except rainy season is reused for sprinkling on haul roads & in CHP for dust suppression.

- The details of test parameters of treated water are as follows:

		<table border="1"> <thead> <tr> <th>Parameters</th><th>Norms</th><th>Test Result (after treatment)</th></tr> </thead> <tbody> <tr> <td>TSS</td><td>100</td><td>78</td></tr> <tr> <td>PH</td><td>5.5-9.0</td><td>8.18</td></tr> <tr> <td>Oil & grease</td><td>10</td><td>3</td></tr> <tr> <td>COD</td><td>250</td><td>29</td></tr> <tr> <td>BOD</td><td>30</td><td>12</td></tr> </tbody> </table> <p>Condition complied</p>	Parameters	Norms	Test Result (after treatment)	TSS	100	78	PH	5.5-9.0	8.18	Oil & grease	10	3	COD	250	29	BOD	30	12
Parameters	Norms	Test Result (after treatment)																		
TSS	100	78																		
PH	5.5-9.0	8.18																		
Oil & grease	10	3																		
COD	250	29																		
BOD	30	12																		
XVI II	<p>➤ The project authorities shall carry out a study for zero discharge from NCL mines by considering various options for using excess effluents including artificial recharge and the report on the same shall be submitted to this Ministry within six months of issue of this clearance letter.</p>	<p>➤ The study for ZERO Discharge Condition at Jayant Project has not been done.</p> <p>➤ NCL informed that it will be taken up very soon.</p> <p>➤ Same study has been done at nearby project of NCL i.e. Nigahi Project, according to which the mine water is mostly used for industrial purposes in the mine itself and there is status of ZERO DISCHARGE.</p> <p>➤ The summary of study at Nigahi project is as follows:</p> <ol style="list-style-type: none"> The mine water has been effectively utilized dust suppression, and other industrial water needs. The impact of mining on ground water system is negligible. The mine water is free from pollutant. To reduce the TSS, the mine water is discharged after passing through the sedimentation tanks. After cessation of mining, part of quarry area will be reclaimed with highly permeable OB material. In post mining scenario, the recharge and source potential in core zone will be much higher than the existing. <p>➤ At Jayant mine also ZERO DISCHARGE concept has been implemented since Dec'14. The mine water is used for industrial purposes like spraying purposes, CHP cleaning and HEMM washing etc.</p> <p>➤ Treated effluent of ETP is recycled for use in CHP for dust suppression and in HEMM workshop for washing purposes.</p> <p>Condition complied</p>																		
XIX	<p>Besides carrying out regular periodic health check up of their workers, 10% of the workers identified from work force engaged in active mining operations shall be subject to health check up for occupational diseases and hearing impairment if any, through an agency such as NIOH, Ahmedabad with a period of two years and the results reported to this Ministry and to DGMS.</p>	<p>NCL submitted the following:</p> <p>➤ Regular periodic health check up of all employees in the form of Periodic Medical Examination (PME) is carried out.</p> <p>➤ Periodic healthchecks up were conducted for 779 numbers of employees during the year 2015.</p> <p>➤ Periodic health checks up were conducted for 604 numbers of employees during the year 2016 (upto 31.08.2016).</p>																		

		<ul style="list-style-type: none"> ➤ NIOH, Ahmadabad has completed the health study and submitted the draft report (copy enclosed). ➤ The duration of PME at 5 years intervals is mandatory as per rule and it is strictly complied. ➤ The persons working at vulnerable places (high pollution zone) is allowed to undergo the yearly health check up or even earlier whenever needed. <p>Condition complied</p>
XX	For monitoring land use pattern and for post mining land use, a time series of land use maps based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series) and the report submitted to MOEF and its Regional Office at Bhopal.	<ul style="list-style-type: none"> ➤ Land use maps based on satellite imagery is prepared once in a year through CMPDI. ➤ Remote sensing map of Singrauli Coalfields prepared by CMPDI for the Year 2015 has been uploaded on the website of the company (A copy enclosed for ready reference). <p>Compliance is not as per mandated condition which needs to be ensured Partly complied</p>
XXI	A final mine closure plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests five years before closure of the project.	<p>It has been reported that Revised Mine Closure Plan have been submitted to MoEFCC and MPPCB, vide letter No CGM/JNT/ENV/13/29 dated 20.12.2013.</p> <p>Condition Complied</p>
XXI I	<ul style="list-style-type: none"> ➤ R&R for the remaining 511 PAPs of the total 1239 PAPs R&R shall be completed within 2011. ➤ Monitoring of impact of implementation of various activities and measures outlined in R&R and CSR over the life of the project shall be based on key indices of 'UNDP Human Development Report using pre-project status of socio-economic and human development as the baseline. 	<ul style="list-style-type: none"> ➤ Under the UNDP Human development programme with respect to socio economic purpose as well, different activities are undertaken which includes various skill development and alternate livelihood programme. ➤ Corporate social responsibility (CSR) activities are covered under UNDP human development index and socio-economic status of local communities living in villages near the project area is taken care of during the project life. ➤ Rehabilitation & Resettlement (R&R) is being done as per CIL Rehabilitation & Resettlement (R&R) policy and employment is being provided to Project affected people (PAPs) as per approved norms of CIL. ➤ For the remaining 511 PAPs of the total 1239, R&R has been finalized. As per R&R policy, compensation has been given to 877 Nos with other facilities and Plot has been given to 530 PAPs. ➤ A detailed list of work and expenditure for CSR Work for last three years of Jayant Project are as follows:

Year	Activities	Total Co. involved (Rs. Lakh)
2013-14	Construction of community hall in Dheki village	28.67
	Construction of 200 m PCC road	12.28
	Black topping of approach road	69.28
	Deepening and cleaning of pond	15.70
	Total	126.47
2014-15	Construction of Class room in Govt High School	22.90
	Installation of RO	76.40
	Portable water supply by tankers	5.81
	Construction of toilets	20.0
	Total	125.11
2015-16	Construction and development of bus stand at Jayant more	150.0
	Total	150.0

But, R&R for the remaining 511 PAPs of the total 1239 PAPs R&R as was mandated to be completed within 2011, has not been done.

Partly completed.

B	General conditions	Compliance status
I	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	It is stated that No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment and Forests. complied
II	No change in the calendar plan including excavation, quantum of mineral coal and waste shall be made.	As reported, the activities of mine excavation, production of coal and OB removal is being made as per calendar plan only. complied
III	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring SPM, RSPM, SO ₂ and NO _x and heavy metal such as Hg, Pb, Cr, As, etc. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	AAQ Monitoring stations have been established at following places: Core Zone: 5) CEIP 6) Coal sub station 7) CWS GM office 8) Rose Garden Buffer Zone: 5) Madhuli Sub Station 6) Nigahi STP 7) CMPDI Camp, Singrauli 8) Surya Kiran Bhawan But, basis for selection and whether consultation

with SPCB has been held is not mentioned.
Partly complied.

- Fugitive dust emissions (SPM and RSPM and heavy metal such as Hg, Pb, Cr, As etc.) from all the sources shall be controlled regularly monitored and data recorded properly.
- Water spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points shall be provided and properly maintained.

PP submitted the following:

- The monitoring of fugitive dust emission is conducted by PDS (personal dust sampler). The actual vis-à-vis norms are as follows:

Date of sampling for fugitive dust	Actual Result (mg/m ³)	Permissible limits (mg/m ³)
05.07.2016	1.09	3.0
25.04.2016	1.66	
08.03.2016	1.50	

- The test of heavy metals in ambient air is done by CMPDI. The details are given in pt. no. V.
- Fugitive dust emissions from all the sources are being controlled by providing 16 Nos. Mobile sprinklers on haul road, automatic Water spraying arrangement at crusher, wagon loading and CHP and maintained in operative condition.

complied

- V Data on ambient air quality (SPM, RSPM, SO₂ and NO_x and heavy metal such as Hg, Pb, Cr, As, etc.) Shall be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.

It is reported that Monitoring is being done by CMPDI for SPM, RSPM, SO₂ and (NO)_x and report is regularly submitted. Monitoring report for QE June 2016 is appended below:

Particulars	Actual Result (mg/m ³)	Permissible limits(mg/m ³) based on weighted average for 24 hrs.
SPM	327	600
RSPM	198	300
SO ₂	23	120
NO _x	28	120

Heavy metal in air is being tested six monthly by CMPDI.

The test result are as follows:

Particulars	Actual Result (µg/m ³)	Permissible limits (µg/m ³)
Hg	0.009	Not available on NAAQS*
Cr	BDL	
As	0.003	0.06
Pb	0.079	1.0
Ni	0.025	0.02

*NAAQS-National Ambient Air Quality standard issued by CPCB

BDL- Below detectable limit.

However, it does not seem that reports are submitted regularly. This is to be ensured.

VI	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of 'HEMM' etc. shall be provided with ear plugs/muffs.	Partly complied Adequate technical measures have been adopted. Additionally ear plugs/ earmuffs are also being provided to employees wherever found necessary. But no measured data furnished to compare value
VII	Industrial waste water (workshop and waste water from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.	Partly complied Two ETPs have been constructed, maintained and in operation for treatment of wastewater from workshop & mine. Quality of treated water of ETP is monitored fortnightly by CMPDI and weekly by SPCE MOEF recognized laboratory and all parameter reportedly conform to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st Dec 1993. As per report Oil and grease trap has gone unattended.
VIII	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral within the mine shall be optimally loaded.	Partly complied Regular maintenance of vehicles is being conducted so that vehicular emissions are to be kept under control. Vehicles are being used for transporting the optimally loaded mineral within the mine. But no action taken to monitor emission and value reported.
IX	Environmental laboratory shall be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.	Not complied Environmental laboratory is set up at CMPDI (RI-VI) which is having all requisite facilities. It caters to the need of all projects of NCL including Jayanti. Monitoring and analysis of environmental pollutants of Jayanti O.C.P. is carried out at regular interval by CMPDI, RI-VI lab. This lab is well equipped along with 4 nos. of qualified chemists(having degree of MSc.-Chemistry). Although separate lab not established, the purpose being served. But its accreditation and consultation with SPCB seem unfulfilled.
		Partly complied.
X	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractors due to exposure to dust and to take corrective measures, if needed.	It is reported that Dust masks are provided to employees working in dusty areas and adequate training on safety and health is imparted. Occupational health surveillance program has already been implemented and Periodic Medical Examination after every 05 years for all the employees is done at our central hospital/ Project dispensary. Status of PME:- 1. Last year (2015) PME for Employees= 779. 2. This year (1-1-2016 to 31-08-2016) PME for Employees = 604.
XI	A separate environmental management cell with suitable qualified personnel shall be set up	complied Environmental Management Cell has already been established and currently consisting of one Sr. Manager

	under the control of Senior Executive, who will report directly to the head of the company.	(Env) with specialization in Environment Management , One MT (Env), one Forest officer and headed by Dy. General Manager (Civil), Jayant who reports directly to the General Manager of the Project. Day to day technical guidance is being done by GM (Environment) at corporate level who is directly reporting to CMD through DT (P&P). Partly complied									
XII	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to the Ministry and its Regional Office at Bhopal.	As per EMP, capital Fund of 1107 lakhs has been provided for environment control measures. The total expenditure on environment control measures during the year 2015-16= Rs. 10.43 Cr The escrow account is also operating the detail of which are as below: AC no. 391703800000527 Bank Name: Union Bank of India, Morwa Complied.									
XIII	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities shall extend full co-operation to the office(s) of the Regional office by furnishing the requisite data/information/monitoring reports.	Environmental monitoring report and status of EC compliance is being submitted to MPPCB and MOEF six monthly. Last Environmental compliance report for the period of Sept'15 to Mar'16 had submitted on 29.05.2016 vide letter no. GM/JNT/ENV/16/618. It is also reported that from time to time officials of MPPCB and MoEF&CC are visiting the project for monitoring the physical status of the compliances. complied									
XIV	A copy of the environmental clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	It is stated that the EC letter has been submitted to all concerned, however, no documentary evidence submitted. Not complied.									
XV	State pollution control board shall display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office/Tehsildar's office for 30 days.	Action is to be taken by State pollution control board. Not Applicable									
XVI	The Project authorities shall advertise at least in two local news papers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at the website of the ministry of Environment & Forests at http://envfor.nic.in . The compliance status shall also be up loaded by the project authorities in their website so as to bring the same in the public domain.	Not complied. Because publication was not done within 7 days. As per the PP, the EC of Jayant Project was published in two news papers. The details are as follows:									
		<table border="1"> <thead> <tr> <th>Name of News paper</th><th>Place of advertisement</th><th>Date of advertisement</th></tr> </thead> <tbody> <tr> <td>Amar Ujjala</td><td>Varanasi, UP</td><td>5.1.2009</td></tr> <tr> <td>DainikBhaskar</td><td>Satna, MP</td><td>6.1.2009</td></tr> </tbody> </table>	Name of News paper	Place of advertisement	Date of advertisement	Amar Ujjala	Varanasi, UP	5.1.2009	DainikBhaskar	Satna, MP	6.1.2009
Name of News paper	Place of advertisement	Date of advertisement									
Amar Ujjala	Varanasi, UP	5.1.2009									
DainikBhaskar	Satna, MP	6.1.2009									


Summary and conclusion:

There are 10 stipulated conditions in the EC issued in 1992 and 38 conditions in the EC issued in 2008. Of these total 48 conditions, 31 are found fully complied, 13 are found partly complied, 3 are non-complied and 1 is not applicable. The deficiencies and shortcoming against each of the partly and non-complied conditions have been explained in the respective compliance status column. The PP needs to take corrective steps for full compliance and submit report in respect of these conditionality. It merits mention that the test conducted for analyzing air quality and water quality parameters are not through an accredited laboratory. CMPDI has got accredited lab in Ranchi only and the Lab at Singrauli which has conducted various tests is not accredited. Therefore, a view may be taken by MoEF&CC HQRS on this. We have mentioned that henceforth tests should be conducted through accredited Labs only.

Court cases / NGT issues and show cause/closure notices.

The PP has reported that there is no court case or NGT issues or notice on non-compliance against the project in the last five years by SPCB/CPCB.

Counter signed by:
Addl. PCCF (C)


Scientist "F"