



(Under the Jurisdiction of Sambalpur Court only)

Registered Office: OFFICE OF THE CM/PROJECT OFFICER

**JAGRITI VIHAR** SAMLESHWARI OPENCAST PROJECT

PO: UCE Burla-768018 **IB VALLEY AREA**

Dist: Sambalpur (Orissa) PO: Rampur Colliery-768225

Phone: PBX 0663-2542461-2542470 Dist. Jharsuguda (Orissa)

Fax: 0663-2542770-2431880

Phone: 06645-244156 Fax: 06645-244153

Ref.No. MCL/IBVA /PO(SOCP)/Envt/14-15/ **13**

Date- **31** /05/ 2014

To,  
**The Chief Conservator of Forest**  
**Ministry of Environment and Forest,**  
**Regional Office, Eastern Region,**  
**A-3, Chandrashekharapur, Bhubaneswar- 751023**

**Sub-Submission of Half Yearly Compliance report of "Environmental clearance Condition" in respect of Samleswari OCP (11.0 MtyExpn. ).**

Dear Sir,

Enclosed please find herewith 'Half Yearly Compliance report' along with form I, II & III and abstract of the 'monitoring report' of Air, Water, Noise & Effluent quality in respect of Samleswari Open Cast Project (11.0 Mty ) for the period from **October-2013 to March-2014.**

This is for your kind perusal & necessary action.

Thanking You,

Yours Faithfully,

*Handwritten signature*  
**PROJECT OFFICER**  
**SAMLESWARI OCP**

Copy to:

1. Director.E I.A.; Monitoring Cell, Ministry of Environment and Forest.,  
Paryavaran Bhawan, C.G.O. Complex , New Delhi-110003 BY REGD. POST
2. Chairman, State Pollution Control Board Odisha, Paribesh Bhawan  
Nilakanthanagar, Unit-VIII, Bhubaneswar – 751012, Bhubaneswar. BY REGD. POST
3. Regional Officer, State Pollution Control Board Odisha, Plot No.- 370/5971,  
At- Babubagicha (Cox Colony), St. Marry Hospital Road, Post- Industrial Estate,  
Jharsuguda-768203
4. Dy.G.M.(Tech.), MCL, Bhubaneswar, Plot No- G/3, Gadakan, P.O.-  
Mancheswar Railway Station, Near OMFED Soure, Chandrashekharapur, Bhubaneswar – 17.
5. C.G.M(Envt.), MCL, HQ, Burla, Sambalpur
6. General Manager, Ib Valley Area
7. Area Environment Officer , Ib Valley Area.
8. Dy. Manager(Mining)/Envt. Dept. SOCP

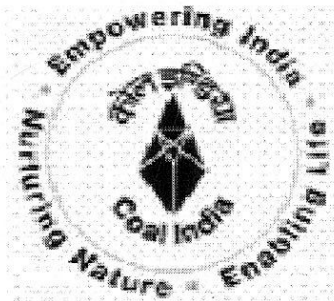


# **HALF- YEARLY PROGRESS**

## **REPORT OF COMPLIANCE**

### **WITH ENVIRONMENTAL CLEARANCE CONDITIONS**

**(OCTOBER 2013 TO MARCH 2014)  
Samaleswari OCP Expn.(11.0 MTY)  
Ib Valley Area**



**Mahanadi Coal Fields Limited**

*(A subsidiary of Coal India limited)  
MCL - A Mini Ratna Company*

## COMPLIANCE WITH ENVIRONMENTAL CLEARANCE CONDITIONS

**Name of the project : Samaleswari OCP Expn. (11 Mty ), MCL**

**No, & Date of MOEF clearance letter No: J-11015/183/2008-IA.II(M), dated :- 25/02/2013**

<b>Condi- on No.</b>	<b>( A ) Specific conditions</b>	<b>Compliance Status</b>
(i)	Topsoil, if any created in the mine, should be stacked properly with proper slope at earmarked site(s) and should not be kept active and shall be used for reclamation and development of green belt.	Top soil are being stacked at earmarked site(s) which shall be used for reclamation and development of green belt.
(ii)	Balance OB shall be simultaneously backfilled in the de-coaled area. No new OB dumps shall be created for the OB to be generated in the balance life of mine.	OB is being excavated & simultaneously backfilled in the de-coaled Area. No new OB dump is required to be created in future.
(iii)	Diversion of PandrenNala shall ensure that the downstream user of the water from PandrenNala area not affected by the proposed diversion. The embankment constructed along the PandrenNala shall be stabilized by the vegetation.	PandrenNala shall be diverted as per the plan approved by flood and irrigation department. The embankment constructed along the PandrenNala shall be stabilized by the vegetation.
(iv)	Monitoring and management of existing reclaimed dumpsites should continue until the vegetation self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional office located at Bhubaneswar on yearly basis.	The monitoring & management of existing reclaimed dump sites is continuing where vegetation has not become self sustaining.
(v)	Catch drain and siltation ponds of appropriate size should be constructed to arrest silts and sediment flows from soil, OB 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 de-silted and maintained properly.	Catch drains & siltation ponds of appropriate size has been constructed to arrest silt & sedimentation flows from soil, OB & mineral dump. The water, so collected is being utilized for watering the mine areas, roads, greenbelt development etc. The drains are being regularly de-silted & maintained properly.



(vi)	Garland drains(size, gradients and length) and sump capacity should be designed keeping 50 % safety margin over and over the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provided adequate retention period to allow proper settling of silt material.	Garland drains with proper size , gradient and length are already available along with sump in the de coaled pit of the mine for this purpose. Catch drains & siltation ponds of appropriate size has been constructed to arrest silt & sedimentation flows from soil, OB& mineral dump. The water, so collected is being utilized for watering the mine areas, roads, greenbelt development etc. The drains are being regularly de-silted & maintained properly.
(vii)	Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	Retaining wall at toe of the OB dump is not required because all the OB dump have been made stable by different stabilization activities . The OB benches are kept with safe height and slope with proper drainage to the sump.
(viii)	Crushers at CHP should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emission from crushing operations, conveyor system, haulage roads, transfer points, etc.	The water spraying system as well as enclosures along crushing and transfer points and conveyor belts, has already been provided to check fugitive emission from crushing operation, conveyor system, haulage roads, transfer points etc.
(ix)	Drills should be wet operated. Roads shall be metal topped and mechanical sweepers shall be regularly deployed to clear the dust off the main approach and mineral transportation roads. Water sprinkling(fixed and mist type, mobile) shall be regularly done along the main haul roads.	Drills, operating with dust extractors earlier. All drills are fitted with wet drilling arrangements. Hence wet drillings is in practice.
(x)	The total area brought under afforestation shall include an area covering of 186 ha, along the peripheral boundary of the ML, 119.66ha of external OB dump and backfilled area, 5 ha in township and avenue plantation along 22 km of roads by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.	Afforestation program were taken every year up till 2009-10. Till date 7,88,300 nos. of plants had already been planted in 322.13 ha. Back filled area, vacant land, along road including infrastructure. In view of the re-handling plan of the backfilled area because of the further expansion of the mine (including under ground seam) plantation in the backfilled area has been stopped and grassing is proposed.



(xi)	A progressive mine closure plan shall be implemented and OB generated shall be simultaneously backfilled so as to backfill and reclaim 448.272 ha of de coaled area and stabilized with plantation.	A progressive Mine closure Plan shall be implemented at the Final stage of working. However, the OB generated is simultaneously back filled and re claimed in the de coaled area. The status of the Back filled and de coaled area as on <b>31/03/2014</b> is as follows:-- 1. Excavated Area: 434.082 ha. 2. Back filled Area: 321.400 ha. 3. De coaled Area: 338.360 ha. At the final stage of working, the balance 19.552 ha of the de coaled area shall be converted to water reservoir and shall be protected accordingly.
(xii)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and construction of new poizometers. The monitoring for quantity should 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 should be submitted to the Ministry of Environment & Forest and to the Central Pollution Control Board quarterly within one month of monitoring.	Ground water level and quality is regularly monitored four times a year ,
(xiii)	The Company shall put up artificial ground water recharge measures for segmentation of groundwater resource. The project authorities should meet water requirement of nearby villagers(s) in case the village go dry due to dewatering of mine.	The existing mine sumps and sedimentation pond are good measures for ground water recharge. Village water dose not go dry, owing to the Mine.
(xiv)	Sewage treatment plant should be installed in the existing colony, ETP should also be provided for workshop and CHP waste water.	Sewage treatment Plant is already working in the existing colony. ETP has also been provided for the work shop and CHP does not generate much waste water.
(xv)	Besides carrying out regular periodic health check up of their workers 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any, through an agency within the district/State and the results reported to this Ministry and to DGMS.	Regular periodic health check up is being carried out for 20 % of the employees of Samaleswari OCP every year by way of periodical Medical Examination.

(xvi)	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 three years( for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhubaneswar.	Land use maps, based on satellite imagery for monitoring land use pattern for the year 2012 submitted vide letter no.MCL/HQ/Env/F-61/2013/3453 dt: 22/04/2013 of G.M.(Env.) MCL. The above report is also available on the company website <a href="http://www.mcl.gov.in">www.mcl.gov.in</a> .
(xvii)	A detail Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry Of Environment & Forests within 6 months of grant of this letter for approval, in case in ML area is not implemented.	Shall be complied accordingly.
(xviii)	R&R for 416 PAFs which includes 182 PAFs(homestead losers) from 2 villages Chingiriguda(119), Bijapada(63) and 232 PAFs of land losers shall be completed within two years. R&R norms shall be not less that of the National R&R policy.	Shall be complied accordingly. Action plan for 182 PAFs required to be shifted is as follows:- 2013-14: 128 families. 2014-15: 54 families.

<b>B.</b>	<b>GENERAL CONDITIONS</b>	<b>COMPLIANCE STATUS</b>
(i)	No change in technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	No change in the mining technology and scope of working has been made .
(ii)	No change in the calendar plan including quantum of mineral coal and waste being produced shall be made.	Work is done as per calendar plan.
(iii)	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring PM 2.5, PM10, SO2 and NOx Location of the station shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with Pollution Control Board. Monitoring of heavy metals such as Hg, Ni, Cd, Cr in particulate shall be carried out at least once in six month.	Four ambient air quality monitoring stations has already been established for SPM,RPM,SO2 and Nox monitoring. Location of the station was decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board and in accordance with the MoEF Notification No.GSR 742 ( E ) , dated.25 <sup>th</sup> Sept 2000.



(iv)	Data on ambient air quality (PM10, PM25, SO2 and Nox) and heavy metals such as (Hg, Ni, Cd, Cr) and other monitoring data shall be regularly submitted to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from dependent laboratories recognized under the EP Rules, 1986 shall be furnished as part of the compliance report.	Data on ambient air quality (RPM,SPM,SO2 and Nox) is here with submitted to the Ministry including its Regional Office at Bhubaneswar and also separately to the State Pollution Control Board once in every six months.
(v)	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.	Adequate measures has been taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc has been provided with ear plugs / muffs.
(vi)	Industrial wastewater (workshop and wastewater from the mine) shall be properly collected and treated so as to conform to the standards including for heavy metals before discharge prescribed under GSR 422 (E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Industrial wastewater (workshop and wastewater from the mine ) is being properly collected, treated so as to conform to the standards prescribed under the <b>latest notification in this regard for Coal Mines vide GSR 742 ( E ) dat. 25<sup>th</sup> Sept.2000 discharge.</b> Oil and grease trap has already been installed and is in operation.
(vii)	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of the mineral shall be covered with tarpaulins and optimally loaded.	Vehicular emission is under control Vehicles used for transporting the mineral out side the Mine lease area by Road is being covered with tarpaulins and is optimally loaded.
(viii)	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analyzed through a laboratory recognized under EP Rules, 1986.	Regular Environmental monitoring & analysis is being carried out by CMPDIL which is having a Laboratory approved by CPCB. However, CMPDIL is in process of establishing Field Laboratory in Lakhanpur Area of MCL for all the mines of IbValley Coalfields.
(ix)	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.	Personnel working in dusty areas wears protective respiratory devices and they are regularly provided adequate training and information on safety and health aspects.
(x)	Occupational health surveillance programme of the workers shall be under taken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.	Occupational health surveillance programme of the workers is under taken periodically to observe any contractions due to exposure.



(xi)	A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the head of the company.	A separate environmental management cell with suitable qualified personnel has been set up under the control of a Senior Executive, who reports directly to the head of the company at the mine Area and corporate level.
(xii)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purposes. Year wise expenditure shall be reported to this Ministry and its Regional Office at Bhubaneswar.	The funds earmarked for environmental protection measures are kept in separate account and not diverted for other purposes.
(xiii)	The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in 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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The copy of the Env't. Clearance letter has been advertised in two local newspapers widely circulated around the project, one of which was in odia language .
(xiv)	A copy of the environmental clearance letter shall be marked to concerned panchayat/ZilaParisad, Municipal corporation or urban local Body and local NGO, if any, from whom any suggestion / representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on the company's website.	A copy of the environmental clearance letter has already been sent vide letter no.MCL/IBVA/ SOCP/ SAM/ENVT/ 12-13/139 dtd.18.03.2013 to the concerned panchayat / local NGO, from whom suggestion / representation has been received during public hearing
(xv)	A copy of the clearance letter State pollution shall be displayed on the website of the concerned State pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Centre and Collector's Office/ Tahasildar's Office for 30 days.	Not applicable to us



xvi	The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated EC condition shall also be uploaded by the project authorities on their website and updated atleast once every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameters( air, water, noise and soil) and critical pollutants such as PM2.5, PM2.5,SO2 and Nox (ambient and stock if any) and critical sectoral parameters shall also be displaced at the entrance of the project premises and mines office and in corporate office and on the company's website.	The clearance letter has been uploaded on the company's website <a href="http://www.mcl.gov.in">www.mcl.gov.in</a> . The compliance status of the stipulated EC condition shall also be uploaded. The monitoring data of environmental quality parameters(air, water, noise & soil) and critical pollutants such as PM2.5,SO2 and NOX (ambient and stock if any) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mines office and in corporate office and on the company's website.
xvii	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environment clearance conditions ( both in hard copy and email) to the respective Regional Office of the MOEF , the respective Zonal offices of CPCB and SPCB.	Being complied with this report, soft copy is sent through e-mail too.
xviii	The regional office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authority shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Not applicable to us
xix	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V is mandated to be submitted by the project proponent tot the concern State Pollution Control Board as prescribed under the environment (protection) Rules,1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MOEF by E-ail.	Environmental statement for each financial year ending 31 <sup>st</sup> March 2013 in form-V submitted to SPCB vide letter no. MCL/Env/Env.Stat./13/3749 dt:26.09.2013.

  
 31/5/14  
 **PROJECT OFFICER**  
**SAMLESWARI OCP**

FORM-1

**MINISTRY OF ENVIRONMENT & FOREST  
REGIONAL OFFICE  
MONITORING PROFORMA PART- 1 (DATA SHEET)**

1. **project Type: River-Valley/Mining Industry/Thermal/Nuclear/Other (Specify)** : Mining Industry

2. **Name of the Project** : **Samleswari Open Cast Project ( 11.0 Mty)**

3. **Clearance Letter(s) OM no.& Date** : J-11015/183/2008-IA.II(M), DTD.25/02/2013

4. **Location:**

(a) district(s), State(s) : Jharsuguda, Odisha.

5. a) **Address of concerned project** : Office of the Project Officer, Samleswari OCP,  
Chief Engineer (with pin code PO-Rampur Colliery, BrajrajNagar ,Distt-Jharsuguda  
and telephone/telex/Fax nos. Odisha, Pin-768225; Phone: (06645-244156 )

b) Address of Executive project Engineer /Manager (with pin code and telephone/telex/fax nos. : ----do-----

6. **Salient features:**

a. of the project : -----  
: Targetted output:11.00 Mty, Movable reserve:53.35 Mt.  
Stripping ratio:2.07 Cum/t; Mining Technology-  
Surface miner for coal, Dragline & Shovel- dumper  
system; Seam-Lajkura Top & Bottom and combined  
system; Project Life:12Yrs.etc.

b. of the environmental management plans. : Capital cost of Env't.Mgmt.—1680.49 Lakhs., Project  
Profile, Present Env't.Scenario, Land use /cover  
pattern, Env't. Impact assessment, Env't. Control  
measures, Env't. Monitoring Organisation, Env't. Cost  
estimate etc.

7. **Break up of the project area** :  
a. Submergence area (Forest and Non-Forest) : TOTAL:878.615 Ha

b. Others : Nil

8. **Break-up of project affected population, :** : NIL  
with enumeration of those losing  
houses/dwelling units only, agricultural  
land only, both dwelling units and  
agricultural land and land less labourers/  
artisans.

a. SC, ST/ Adivasis : Nil

b. Others : Nil



**9. Financial Details:**

- a) Project cost as originally planned and Subsequently estimates and the year of price reference. : 256.87 Crs. August -2008 [As per EMP (11.0 MTY)]
- b) Allocation made for environmental management plans, with item-wise and year wise break-up. : Rs. 2281.18 Lakhs [As per EMP (11.0 MTY)]
- c) Benefit cost ratio/internal rate of return and the year of assessment. : Cost Rs. 628.40 /te; Profit Rs.126.98 /te For the year 2013-14
- d) Whether 9 c) includes the cost of environmental management plans so far. : Yes
- e) Actual expenditure incurred on the Project so far (capital) : Rs.331.77 Crs.
- f) Actual expenditure incurred on the Env. Mgmt plans, so far : Rs.4002.19 Lakhs

**10. Forest land requirements**

- a) The status of approval of a diversion of forest land for non-forestry use. : Earlier Approved 167.232 Ha. of forest land. For 145.82 Ha of Forest land, approval obtained vide letter no.F.No.- 8-147/89-FC(Vol.II) datd. 17.02.2009
- b) The status of Tree felling : not yet started
- c) Comments on the viability and sustainability programme in the light of actual fields experience so far. : Viable ,

**11. Status of construction :**

- a) Date of commencement (Actual and/or planned) : This is an Expansion Project : 20.04.1989
- b) Date of completion (Actual and / or planned) : June'2017(As per 05.00 MTY)

**12. Reason for the delay if the project is yet to start** : Not Applicable**13. Date of Site visit**

- a. The date on which the project was monitored by the Regional Office , If any . : 16.04.2013
- b. Date of visit for this monitoring report. : --do--

**14. Details of correspondence with project authority**  
For obtaining action plan, information and status Of compliance to safe guard.

: ,

Samleswari OCP

31/5/14  
PROJECT OFFICER  
SOCP

**FORM-II****PROFORMA FOR PROVIDING INFORMATION ON REHABILITATION**

1.No. of village affected : **No village is affected by this Expansion Project.**  
(Within 05 MTY Mine boundary)

2.Families affected : SC ST OTH Total

3.Compensation package offered per family. :

State/ Centre norms	Project package
As per State Govt. Package	

4. Budget estimate for rehabilitation.

NIL

a)Total outlay

:

b) Amount paid/used

:

5. Employment details

a)Total employment to be provided

:

b) Employment given so far.

:

6. Rehabilitation & Resettlement details.

: No shifting

a) Nos. of families rehabilitated

: NA

i)Name of the site

: NA

iv)Families rehabilitated.

: SC

ST

NA

OTH

TOTAL

b). families yet to be rehabilitated

: NA

i) Name of site

: NA

ii).No. of families

: SC

ST

NA

OTH

TOTAL

Any other information.

: NO

**SAMALESWARI OCP**

*thp*  
31/5/14  
*Any* PROJECT OFFICER  
SOCP.



## FORM-III

**FORMATE FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION  
UNDER F I ACT 1980 AND E (P) ACT 1986.**

1. a. Name of Organization : MAHANADI COALFIELDS LIMITED
- b. Env't clearance order No. : J-  
11015/183/2008-IA.II(M), DTD.25/02/2013
- c. Forest clearance order No. : 8-147/89 FC of MOEF dtd.09<sup>th</sup> Aug 2001.and  
No. F.No.- 8-147/89-FC(Vol.II) datd. 17.02.2009
2. Location, Block/Sub Division/Distt./State and Bundia ; Jharsuguda, Sub- division : Vill / Mauja- Brajrajnagar,Unit-I, Kudopali  
-Jharsuguda ,Dist:- Jharsuguda (Odisha).
3. Address for communication :Samaleswari OCP, P.O. Rampur Colliery, Brajrajnagar,  
Dist:-Jharsuguda (Odisha). PIN- 768225.
  1. Existing vegetation in the area/region:
    - a. Species( Trees/shrub/Grasses/climbers). : Trees, shrub, Grasses and climbers.
    - b. major prevalent species of each type :
5. Land coverage by the project
  - a. Total area under the project : 878.615Ha.
  - b. Area covered for basic infrastructure : 206.00 Ha.  
(road/building/factory etc.)
6. Details about natural vegetation
  - a. Name and number of tree /species felled. : 66 nos. felled by M/s OFDC
  - b. Name and number of plants species still Available in the area : 143
  - c. By protecting the area will indigenous stock come up : Yes
  - d. Extent of green belt developed. : 322.13 Ha.
7. Plantationrequired to be carried out as per
  - a. Condition of Environmment : As per specific condition no. ix of Environment  
( clearance in Ha/Nos clearance of Samaleswari OCP Expn.(5.0Mty),  
plants/Ha – **2500 Nos. plants**
  - b. A condition of forestIAct : As per condition no. (ii), (iii), (iv) & (v) of  
Forest clearance inHa/Nos clearance of Samaleswari OCP.
  - c. Voluntarily in Ha./Nos : 2500 Nos./ Ha.

## FORM -III

**FORMATE FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION  
UNDER F I ACT 1980 AND E (P) ACT 1986.**

1. a. Name of Organization : MAHANADI COALFIELDS LIMITED
- b. Env't clearance order No. : J-  
11015/183/2008-IA.II(M), DTD.25/02/2013
- c. Forest clearance order No. : 8-147/89 FC of MOEF dtd.09<sup>th</sup> Aug 2001.and  
No. F.No.- 8-147/89-FC(Vol.II) dtd. 17.02.2009
2. Location, Block/Sub Division/Dist./State and Bundia : Jharsuguda, Sub- division : Vill / Mauja- Brajrajnagar,Unit-I, Kudopali  
-Jharsuguda ,Dist:- Jharsuguda (Odisha).
3. Address for communication :Samaleswari OCP, P.O. Rampur Colliery, Brajrajnagar,  
Dist:-Jharsuguda (Odisha). PIN- 768225.
1. Existing vegetation in the area/region:  
a. Species( Trees/shrub/Grasses/climbers). : Trees, shrub, Grasses and climbers.  
b. major prevalent species of each type :
5. Land coverage by the project  
a. Total area under the project : 878.615Ha.  
b. Area covered for basic infrastructure (road/building/factory etc.) : 206.00 Ha.
6. Details about natural vegetation  
a. Name and number of tree /species felled. : 66 nos. felled by M/s OFDC  
b. Name and number of plants species still Available in the area : 143  
c. By protecting the area will indigenous stock come up : Yes  
d. Extent of green belt developed. : 322.13 Ha.
7. Plantationrequired to be carried out as per  
a. Condition of Environment : As per specific condition no. ix of Environment  
( clearance in Ha/Nos : clearance of Samaleswari OCP Expn.(5.0Mty),  
plants/Ha – **2500 Nos. plants**  
b. A condition of forestIAct : As per condition no. (ii), (iii), (iv) & (v) of  
Forest clearance inHa/Nos : clearance of Samaleswari OCP.  
c. Voluntarily in Ha/Nos : 2500 Nos./ Ha.



## 8. Details about plantation

c. Total area available for plantation in 2012-13/2013-14 :  
in each category.

i.Green belt	ii.Ext. Dumps	iii.B/F area	iv.Road sides	v. Blocks plantation
Nil	Nil	Nil	Nil	Nil

d. Plantation details (Category wise & Methodology used)

Year of Plantation	Species planted	Spacing	Height attained	Total area covered till September-09	Proposed plantation programme in 2014-15 (in Ha.)
1990 to '2011	Given in Annexure- A	2m x 2m	1 mtr. To 7 mtr.	322.13 Ha.	Gap plantation on all External OB dumps( 10 ha. Out of 24.80 ha.)

c. survival % of plantation ( for last five years) :75% - 80% after 3 years of operation.

9. Agency carrying out plantation and maintenance : Odisha Forest Development Corporation,  
Central Fuel Research Institute, Dhanbad,

ChhatisgarhRajya Van Vikas Nigam Ltd,  
Chhatisgarh& others

## 10. Financial details (year wise and item wise)

Sl No.	Year	Fund allocated (in Lakh Rs. For three years)	Expenditure Made (in Lakh Rs. For three years)	Average cost each surviving plants in Rs. (Plantation scheme valid for three years)
1.	1990-91	3.90	3.80	67.40
2.	1991-92	5.40	5.49	47.46
3.	1992-93	5.80	5.79	30.36
4.	1993-94	6.10	6.07	25.15
5.	1994-95	6.80	6.85	20.93
6.	1995-96	5.60	5.56	20.11
7.	1996-97	5.70	5.72	12.68
8.	1997-98	15.30	18.27	80.50
9.	1998-99	13.90	13.92	32.85
10.	1999-2000	41.60	24.29	79.80
11.	2000-2001	29.80	15.49	71.53
12.	2001-2002	41.87	9.14	34.29
13.	2002-2003	29.60	12.18(Provisional)	-
14.	2003-2004	NIL		

Sl No.	Year	Fund allocated (in Lakh Rs. For three years)	Expenditure Made (in Lakh Rs. For three years)	Average cost each surviving plants in Rs. (Plantation scheme valid for three years)
15.	2004-2005	23.93	13.55	Rs. 32.26
16	2005-2006	19.98	19.50	Rs. 40.35
17.	2006-2007	19.66	16.09	Rs. 40.44
18.	2007-2008	9.86	10.22	Rs. 76.68
19.	2008-2009	3.73	4.49 (provisional)	
20.	2009-2010	6.72	5.23 ( ---do-----)	
21.	2010-2011	NIL	NIL	
22.	2011-2012	NIL	NIL	
23.	2012-2013	NIL	NIL	
24.	2013-2014	NIL	NIL	

10. Inspection of plantation by field experts and their comments and follow up action  
follow up action by Env't. Officer, SOCP, and official of agencies carrying out plantation

: **Sri V.P. Upadhyay** Additional Director ( s)\*,,  
**Dr. N.L.N.S Prasad**, Director(S)\*, General Manager (IBV),  
Project Officer SOCP, S.O. (Env't), their comments and

**\*Comments – Very Good**

11. Remarks /any other information.

: Density of Trees or crown cover in above said planted areas is more than that of which exists in the forest area of this region.

Date

31/5/14  
**PROJECT OFFICER**  
**SAMALESWARI OPEN CAST PROJECT**  
**IB VALLEY AREA.**



**NAME OF THE SPECIES PLANTED IN AND AROUND  
SAMALESWARI OPENCAST PROJECT**

<b>Sl. No</b>	<b>Local Name of Species</b>	<b>Sl. No</b>	<b>Local Name of Species</b>
1	Amla	28	Karanj
2	Arjun	29	Khair
3	Bahada	30	Kusum
4	Bamboo	31	Lemon
5	Banayan( Bar)	32	Lagestlia
6	Bel	33	Lichi
7	Ber	34	Mango
8	Bottle Palm	35	Mahaneem
9	Baula	36	Muchukunda
10	Chakunda	37	Neem
11	Coconut	38	Orange
12	Chirol	39	Padhel (Sitafal)
13	Cashew	40	Parking Sonia
14	Deodaru	41	Pistabadam
15	Drooping Deodaru	42	Pipal( Aswast)
16	Eucalyptus	43	Putranjiva
17	Gambhar	44	Rain Tree
18	Guava	45	Ratanjot(Jatropha)
19	Gravellia	46	Semal
20	Harida	47	Shishoo
21	Jack-fruit	48	Silver Oak
22	Jamun	49	Sunari
23	Jhaun	50	Siris
24	Jungle Jalebi	51	Spathodia
25	Kadamb	52	Simaruba
26	Kanchan	53	Sapeta
27	Kapok	54	Teak

## AMBIENT AIR QUALITY REPORT SAMALESWARI OPEN CAST PROJECT

### Ambient Air Quality Report

Monitoring station	Date	SPM	RPM	SO <sub>2</sub>	NOX	PM <sub>2.5</sub>
Kudopali village	3-Oct-13	178	87	18	22	-
Kudopali village	17-Oct-13	156	79	20	24	-
Kudopali village	12-Nov-13	167	80	20	23	-
Kudopali village	27-Nov-13	182	84	21	24	-
Kudopali village	11-Dec-13	165	71	15	19	-
Kudopali village	26-Dec-13	172	76	15	18	-
Kudopali village	10-Jan-14	142	67	14	18	-
Kudopali village	25-Jan-14	130	62	14	17	-
Kudopali village	12-Feb-14	136	65	13	17	29
Kudopali village	27-Feb-14	109	61	13	16	28
Kudopali village	12-Mar-14	165	73	15	18	14
Kudopali village	28-Mar-14	179	84	16	19	61
<b>Max</b>		<b>182</b>	<b>87</b>	<b>20</b>	<b>24</b>	<b>61</b>
<b>Min.</b>		<b>109</b>	<b>61</b>	<b>13</b>	<b>17</b>	<b>14</b>
<b>Mean</b>		<b>156.75</b>	<b>74.08</b>	<b>16.16</b>	<b>19.58</b>	<b>33</b>

### Ambient Air Quality Report

Monitoring station	Date	SPM	RPM	SO <sub>2</sub>	NOX	PM <sub>2.5</sub>
Near Old Sedimentation tank	3-Oct-13	234	102	28	31	-
Near Old Sedimentation tank	19-Oct-13	225	108	25	28	-
Near Old Sedimentation tank	12-Nov-13	248	119	26	30	-
Near Old Sedimentation tank	27-Nov-13	261	123	29	33	-
Near Old Sedimentation tank	10-Dec-13	247	115	20	23	-
Near Old Sedimentation tank	26-Dec-13	251	119	18	21	-
Near Old Sedimentation tank	10-Jan-14	280	131	19	22	-
Near Old Sedimentation tank	25-Jan-14	298	137	20	24	-
Near Old Sedimentation tank	12-Feb-14	267	118	16	19	51
Near Old Sedimentation tank	27-Feb-14	221	102	14	17	46
Near Old Sedimentation tank	11-Mar-14	285	117	20	23	41
Near Old Sedimentation tank	27-Mar-14	308	120	21	25	27
<b>Max</b>		<b>308</b>	<b>137</b>	<b>29</b>	<b>33</b>	<b>51</b>
<b>Min.</b>		<b>221</b>	<b>102</b>	<b>14</b>	<b>17</b>	<b>17</b>
<b>Mean</b>		<b>260.41</b>	<b>117.58</b>	<b>21.33</b>	<b>24.66</b>	<b>41.25</b>



### Ambient Air Quality Report

Monitoring station	Date	SPM	RPM	SO2	NOX	PM2.5
Roof Top of New Project Office	3-Oct-13	241	105	22	27	-
Roof Top of New Project Office	19-Oct-13	220	110	23	27	-
Roof Top of New Project Office	12-Nov-13	234	116	22	25	-
Roof Top of New Project Office	27-Nov-13	227	110	22	26	-
Roof Top of New Project Office	10-Dec-13	235	117	19	22	-
Roof Top of New Project Office	26-Dec-13	234	115	18	22	-
Roof Top of New Project Office	10-Jan-14	276	129	21	24	-
Roof Top of New Project Office	25-Jan-14	83	126	18	22	-
Roof Top of New Project Office	13-Feb-14	310	155	22	26	60
Roof Top of New Project Office	27-Feb-14	246	99	12	16	55
Roof Top of New Project Office	11-Mar-14	300	96	18	22	49
Roof Top of New Project Office	27-Mar-14	321	111	20	24	52
<b>Max</b>		<b>276</b>	<b>155</b>	<b>23</b>	<b>27</b>	<b>60</b>
<b>Min.</b>		<b>220</b>	<b>96</b>	<b>12</b>	<b>16</b>	<b>49</b>
<b>Mean</b>		<b>243.91</b>	<b>115.75</b>	<b>19.75</b>	<b>23.58</b>	<b>54</b>

### Ambient Air Quality Report

Monitoring station	Date	SPM	RPM	SO2	NOX	PM2.5
West of Working Mine	3-Oct-13	230	104	25	30	-
West of Working Mine	19-Oct-13	217	98	22	27	-
West of Working Mine	12-Nov-13	228	102	24	28	-
West of Working Mine	27-Nov-13	290	133	30	34	-
West of Working Mine	10-Dec-13	262	112	22	25	-
West of Working Mine	26-Dec-13	258	123	23	27	-
West of Working Mine	10-Jan-14	291	134	21	25	-
West of Working Mine	25-Jan-14	271	126	20	25	-
West of Working Mine	12-Feb-14	260	117	21	25	55
West of Working Mine	27-Feb-14	249	114	19	22	54
West of Working Mine	11-Mar-14	303	128	21	25	66
West of Working Mine	27-Mar-14	328	134	20	25	60
<b>Max</b>		<b>328</b>	<b>134</b>	<b>25</b>	<b>34</b>	<b>66</b>
<b>Min.</b>		<b>217</b>	<b>98</b>	<b>19</b>	<b>22</b>	<b>54</b>
<b>Mean</b>		<b>265.58</b>	<b>118.75</b>	<b>22.33</b>	<b>26.5</b>	<b>58.75</b>

## Ambient Noise Level Report

### Samaleswari OCP

Station	Date of study	Noise-Day	Noise-Night
Near Old sedimentation Tank	15-Oct-13	52.4	44.6
Near Old sedimentation Tank	30-Oct-13	51.7	43.6
Near Old sedimentation Tank	14-Nov-13	52.3	43.5
Near Old sedimentation Tank	29-Nov-13	52.3	44.1
Near Old sedimentation Tank	13-Dec-13	51.9	43.8
Near Old sedimentation Tank	30-Dec-13	50.5	44.3
Near Old sedimentation Tank	14-Jan-14	51.9	43.8
Near Old sedimentation Tank	30-Jan-14	50.7	44.6
Near Old sedimentation Tank	13-Feb-14	51.2	44.5
Near Old sedimentation Tank	27-Feb-14	50.4	43.6
Near Old sedimentation Tank	14-Mar-14	51.8	44.3
Near Old sedimentation Tank	29-Mar-14	52.6	43.8
<b>Max</b>		<b>52.4</b>	<b>44.6</b>
<b>Minimum</b>		<b>50.4</b>	<b>43.6</b>
<b>Mean</b>		<b>51.64</b>	<b>44.04</b>

## Ambient Noise Level Report

Station	Date of study	Noise-Day	Noise-Night
Kudopali village	15-Oct-13	51.5	44.1
Kudopali village	30-Oct-13	50.6	43.1
Kudopali village	14-Nov-13	50.3	43.4
Kudopali village	29-Nov-13	51.2	44.4
Kudopali village	13-Dec-13	52.8	43.1
Kudopali village	30-Dec-13	51.5	44.6
Kudopali village	14-Jan-14	50.6	43.7
Kudopali village	30-Jan-14	51.3	44.1
Kudopali village	13-Feb-14	50.8	43.8
Kudopali village	27-Feb-14	51.2	44.4
Kudopali village	14-Mar-14	52.3	43.9
Kudopali village	29-Mar-14	51.8	44.4
<b>Max.</b>		<b>52.8</b>	<b>44.6</b>
<b>Min.</b>		<b>50.3</b>	<b>43.1</b>
<b>Mean</b>		<b>51.32</b>	<b>43.91</b>



## Ambient Noise Level Report

Station	Date of study	Noise-Day	Noise-Night
Roof Top of New Project Office	15-Oct-13	51.7	45.9
Roof Top of New Project Office	30-Oct-13	52.8	46.5
Roof Top of New Project Office	14-Nov-13	50.8	46.7
Roof Top of New Project Office	29-Nov-13	51.4	45.8
Roof Top of New Project Office	13-Dec-13	52.4	46.7
Roof Top of New Project Office	30-Dec-13	51.6	45.9
Roof Top of New Project Office	14-Jan-14	52.4	46.7
Roof Top of New Project Office	30-Jan-14	51.8	45.4
Roof Top of New Project Office	13-Feb-14	53.7	48.6
Roof Top of New Project Office	27-Feb-14	52.4	47.3
Roof Top of New Project Office	14-Mar-14	51.8	46.8
Roof Top of New Project Office	29-Mar-14	52.4	47.7
<b>Max</b>		<b>53.7</b>	<b>48.6</b>
<b>Min.</b>		<b>51.4</b>	<b>45.4</b>
<b>Mean</b>		<b>52.1</b>	<b>46.66</b>

## Ambient Noise Level Report

Station	Date of study	Noise-Day	Noise-Night
West of Working Mine	15-Oct-13	52.9	47.6
West of Working Mine	30-Oct-13	51.4	46.7
West of Working Mine	14-Nov-13	53.8	48.4
West of Working Mine	29-Nov-13	52.9	47.2
West of Working Mine	13-Dec-13	54.3	48.1
West of Working Mine	30-Dec-13	53.9	47.6
West of Working Mine	14-Jan-14	52.4	46.8
West of Working Mine	30-Jan-14	53.4	45.9
West of Working Mine	13-Feb-14	53.5	49.7
West of Working Mine	27-Feb-14	52.4	48.3
West of Working Mine	14-Mar-14	51.9	47.6
West of Working Mine	29-Mar-14	52.5	46.9
<b>Max</b>		<b>53.9</b>	<b>49.7</b>
<b>Min.</b>		<b>51.4</b>	<b>46.7</b>
<b>Mean</b>		<b>52.94</b>	<b>47.56</b>

## Effluent Quality Report Samaleswari OCP

### (a) Domestic Effluent Treatment Plant:---

Sampling Station	Date of Sampling	pH	TSS	BOD	COD
Domestic Effluent Treatment Plant	3-Oct-13	7.3	10	6	-
Domestic Effluent Treatment Plant	18-Oct-13	7.1	16	8	-
Domestic Effluent Treatment Plant	7-Nov-13	6.95	12	6	-
Domestic Effluent Treatment Plant	23-Nov-13	6.9	10	4	-
Domestic Effluent Treatment Plant	4-Dec-13	6.8	10	4	-
Domestic Effluent Treatment Plant	19-Dec-13	6.75	12	6	-
Domestic Effluent Treatment Plant	2-Jan-14	7.8	10	8	-
Domestic Effluent Treatment Plant	17-Jan-14	7.74	14	6	-
Domestic Effluent Treatment Plant	4-Feb-14	7.22	60	6	-
Domestic Effluent Treatment Plant	20-Feb-14	7.15	24	4	-
Domestic Effluent Treatment Plant	4-Mar-14	7.3	44	4	-
Domestic Effluent Treatment Plant	19-Mar-14	7.4	16	8	-
<b>Max</b>		<b>7.74</b>	<b>60</b>	<b>8</b>	-
<b>Min.</b>		<b>6.75</b>	<b>10</b>	<b>4</b>	-
<b>Mean</b>		<b>7.2</b>	<b>19.83</b>	<b>5.83</b>	-

### (b) Mine Discharge Treatment Plant

Sampling Station	Date of Sampling	pH	O&G	TSS	COD
Mine Discharge Treatment Plant	3-Oct-13	7.1	<1.0	20	30
Mine Discharge Treatment Plant	18-Oct-13	6.95	<1.0	24	35
Mine Discharge Treatment Plant	7-Nov-13	7	<1.0	20	30
Mine Discharge Treatment Plant	23-Nov-13	7.1	<1.0	24	35
Mine Discharge Treatment Plant	4-Dec-13	7.1	<1.0	24	35
Mine Discharge Treatment Plant	19-Dec-13	7	<1.0	20	30
Mine Discharge Treatment Plant	2-Jan-14	4.4	<1.0	24	35
Mine Discharge Treatment Plant	17-Jan-14	4.35	<1.0	20	30
Mine Discharge Treatment Plant	4-Feb-14	6.22	<1.0	12	40
Mine Discharge Treatment Plant	24-Feb-14	7.55	<1.0	16	32
Mine Discharge Treatment Plant	4-Mar-14	6.28	<1.0	16	32
Mine Discharge Treatment Plant	19-Mar-14	6.2	<1.0	20	28
<b>Max</b>		<b>7.1</b>	<b>&lt;1.0</b>	<b>24</b>	<b>40</b>
<b>Min.</b>		<b>4.35</b>	<b>&lt;1.0</b>	<b>12</b>	<b>30</b>
<b>Mean</b>		<b>6.43</b>	<b>&lt;1.0</b>	<b>20</b>	<b>32.66</b>



**Annexure – 1**  
**MONITORING REPORT OF “FUGITIVE EMISSION”**  
**IN SAMLESWARI OPEN CAST PROJECT**  
**FROM OCTOBER – 2013 TO MARCH – 2014**

DATE	PLACE OF SAMPLING	AVRG. DUST CONCENTRATION (in mg/m <sup>3</sup> )	LIMIT PRESCRIBED BY DGMS
04/10/2013	Departmental South OB	02.00 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
22/10/2013	Drill face JDM30	01.58 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
06/11/2013	South OB dump yard	01.48 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
22/11/2013	Loading point of local sale truck	01.50 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
05/12/2013	Departmental OB face	02.50 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
20/12/2013	Out sourcing face	02.50 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
02/01/2014	Shovel face of BE15016	01.50 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
20/01/2014	South OB dump yard	01.70 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
28/02/2014	Surface Miner face	01.50 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
06/02/2014	Shovel face of 535	01.50 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
26/02/2014	Road sale loading point	02.33 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
04/02/2014	In between bunker No. 1&2	01.68 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
16/03/2014	Coal stock	01.83 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .
27/03/2014	Coal face	01.97 mg/m <sup>3</sup>	03.0 mg/m <sup>3</sup> .

  
**SAFETY OFFICER**  
**SAMLESWARI O.C.P.**



**MAHANADI COALFIELDS LIMITED**  
**OFFICE OF THE CHIEF OF MEDICAL SERVICES**  
**IB COALFIELDS**

Ref No. MCL/IBV/CH/PME/2013/01

Dt. 01.01.2014

To  
 The Chief of Medical Services (MCL)  
 Jagruti Vihar, Burla

Sub :- Monthly PME report of IB Coalfields for the month of December 2013.

Dear Sir,

Mentioned below is the P.M.E. Performance report in respect of Ib Valley, Orient, Lakhanpur, Basundhara Garjanbahal Area, Central Workshop and Mines Rescue Station for your kind information and needful.

Units		Man power	Target	ACHIEVEMENT IN 2013												Progre ssive	Balance	Excess	
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			Curr.	Prog.
<b>IB VALLEY AREA</b>																			
Non	GMO+Reg.S.	255	55	1	1	3	1	2	3	6	7	15	5	2	4	50	5		
Statutory	Central Hosp.	194	39	1	-	-	-	-	-	-	-	-	-	-	42	43	0	4	4
Statutory	S.O.C.P.	866	174	5	10	10	10	9	4	19	5	36	37	18	13	176	0	2	2
	L.O.C.P.	498	100	6	13	15	9	10	7	13	10	12	6	-	-	101	0		1
<b>Total :-</b>		<b>1813</b>	<b>368</b>	<b>13</b>	<b>24</b>	<b>28</b>	<b>20</b>	<b>21</b>	<b>14</b>	<b>38</b>	<b>22</b>	<b>63</b>	<b>48</b>	<b>20</b>	<b>59</b>	<b>370</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>LAKHANPUR AREA</b>																			
Non	G.M.Office	285	57	1	-	-	4	2	3	-	4	10	1	6	-	31	26		
Statutory	B.O.C.M.	678	135	4	20	6	13	33	18	19	8	12	14	9	-	156	0		21
	Lakhanpur OCP	912	183	-	3	15	2	18	-	11	34	28	29	18	31	189	0	6	6
	Lilari OCP	185	37	3	6	2	-	3	4	6	3	2	10	5	-	44	0		7
<b>Total :-</b>		<b>2060</b>	<b>412</b>	<b>8</b>	<b>29</b>	<b>23</b>	<b>19</b>	<b>56</b>	<b>25</b>	<b>36</b>	<b>49</b>	<b>52</b>	<b>54</b>	<b>38</b>	<b>31</b>	<b>420</b>	<b>26</b>	<b>6</b>	<b>34</b>
<b>ORIENT AREA</b>																			
Non	C.G.M.Office	339	63	4	4	15	-	-	4	11	-	4	-	4	-	46	17		
Statutory	O.S.A.	196	39	14	-	-	10	-	12	2	-	-	1	-	-	39	0		
	R.S.A.	187	38	-	-	-	-	4	18	-	-	8	-	8	-	38	0		
Statutory	Mine No.1 & 2	726	211	-	10	29	38	8	29	17	31	10	19	22	6	219	0	6	8
	Mine No.3	904	285	6	8	4	28	44	69	21	22	9	44	18	16	289	0	4	4
	Mine No.4	324	39	-	-	2	-	1	5	8	3	12	-	3	4	38	1		
	H.R.C.	671	177	10	3	12	12	13	10	11	-	-	-	-	-	71	106		
	H.B.M.	1017	220	6	18	35	24	36	23	30	37	15	-	11	1	236	0	1	16
<b>Total :-</b>		<b>4364</b>	<b>1072</b>	<b>40</b>	<b>43</b>	<b>97</b>	<b>112</b>	<b>106</b>	<b>170</b>	<b>100</b>	<b>93</b>	<b>58</b>	<b>64</b>	<b>66</b>	<b>27</b>	<b>976</b>	<b>124</b>	<b>11</b>	<b>28</b>
<b>BASUNDHARA G. AREA</b>																			
Non	G.M.Office	143	28	-	-	-	-	-	-	-	-	-	-	-	-	0	28		
Statutory	B. (West) OCP	531	91	3	-	7	2	9	17	15	6	12	1	-	-	72	19		
	B. (Kulda) OCP	153	31	-	-	-	-	-	-	-	5	-	5	-	-	10	21		
<b>Total :-</b>		<b>827</b>	<b>150</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>9</b>	<b>17</b>	<b>15</b>	<b>11</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>82</b>	<b>68</b>		
<b>CENTRAL WORKSHOP</b>		<b>212</b>	<b>43</b>	-	-	14	8	-	-	-	10	-	4	10	-	46	0		3
<b>Mines Rescue</b>				9	2	13	43	15	14	4	4	5	1	-	-	110			
<b>TOTAL PME</b>				<b>73</b>	<b>98</b>	<b>182</b>	<b>204</b>	<b>207</b>	<b>240</b>	<b>193</b>	<b>189</b>	<b>190</b>	<b>176</b>	<b>134</b>	<b>117</b>	<b>2003</b>		<b>23</b>	<b>72</b>
<b>Contractor Worker</b>				-	-	-	-	-	40	82	16	78	142	20	26	404			
<b>GRAND TOTAL PME</b>		<b>9276</b>	<b>2045</b>	<b>73</b>	<b>98</b>	<b>182</b>	<b>204</b>	<b>207</b>	<b>280</b>	<b>275</b>	<b>205</b>	<b>267</b>	<b>319</b>	<b>154</b>	<b>143</b>	<b>2407</b>			

PME	Manpower	Target	Current	Progr.	Balance	Excess
Ib Coalfields	9276	2045	143	2407		

**Grand Total PME for this month - 143**

Yours faithfully

- cc to:-
1. C.G.M., Lakhanpur Area.
  2. C.G.M. (S&R), MCL, HQ, Burla
  3. G.M., Ib Valley Area.
  4. G.M. Orient Area.
  5. G.M., Basundhara Area.
  6. G.M., Central Workshop
  7. C.M.S. I/c, CH, Ib Valley.
  8. C.M.S., MCL, HQ., Burla.
  9. Area Safety Officer, IB Valley Area.
  10. Area Safety Officer, Lakhanpur Area.
  11. Area Safety Officer, Orient Area.
  12. Area Safety Officer, Basundhara Area.
  13. Area Medical Officer, Orient Area.
  14. Area Medical Officer, Basundhara Area.
  15. Area Medical Officer, Lakhanpur Area.
  16. Area Personnel Manager, Central Workshop.
  17. All Unit Heads of IBV/LKP/ORIENT/ B.G. Area.

Chief of Medical Services (OH I/c)  
 Ib Coalfields

*St. Manager (Mn.), SOCP, Ib Valley Area.*



**MAHANADI COALFIELDS LIMITED**  
**OFFICE OF THE CHIEF OF MEDICAL SERVICES**  
**IB COALFIELDS**

एलओएम/आगत किया  
 30  
 To: A.M.A. 14  
 The Chief of Medical Services (MCL)  
 Jagruti Vihar, Burla

Ref No. MCL/IBV/CH/PME/2014/ 111

DL01.04.2014

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 31/4/14

Sub :- Monthly PME report of IB Coalfields for the month of March 2014.

Dear Sir,

Mentioned below is the P.M.E. Performance report in respect of Ib Valley, Orient, Lakhanpur, Basundhara Garjanbahal Area, Central Workshop and Mines Rescue Station for your kind information and needful.

Units		Man power	Target	ACHIEVEMENT IN 2014												Progre ssive	Balance	Excess	
IB VALLEY AREA				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			Curr.	Prog.
Non	GMO+Reg.S.			-	4	1										5			
Statutory	Central Hosp.			-	-	-										0			
Statutory	S.O.C.P.			3	7	7										17			
	L.O.C.P.			10	4	4										18			
Total :-				13	15	12										40			
LAKHANPUR AREA																			
Non	G.M.Office			-	-	-										0			
Statutory	B.O.C.M.			9	33	24										66			
Statutory	Lakhanpur OCP			-	15	33										48			
	Lilari OCP.	177	40	-	-	4										4	36		
Total :-				9	48	61										118			
ORIENT AREA																			
Non	C.G.M.Office			-	-	-										0			
Statutory	O.S.A.			-	11	7										18			
	R.S.A.			-	-	-										0			
Statutory	Mine No.1 & 2	861	231	8	3	3										14	217		
	Mine No.3			10	10	13										33			
	Mine.No.4			-	7	5										12			
	H.R.C.			-	-	1										1			
	H.B.M.			2	15	34										51			
Total :-				20	46	63										129			
BASUNDHARA G. AREA																			
Non	G.M.Office			-	-	-													
Statutory																			
Statutory	B. (West) OCP			-	-	-													
	B. (Kulda) OCP			1	-	-										1			
Total :-				1	0	0										1			
CENTRAL WORKSHOP.		212	43	-	-	-										0			
Mines Rescue				23	33	7										63			
TOTAL PME				66	142	143										351			
Contractor Worker				16	17	19										52			
GRAND TOTAL PME				82	159	162										403			

PME	Manpower	Target	Current	Progr.	Balance	Excess
Ib Coalfields			162	403		

**Grand Total PME for this month - 162**

cc to:-

1. C.G.M., Lakhanpur Area.
2. C.G.M. (S&R), MCL, HQ, Burla
3. G.M., Ib Valley Area.
4. G.M. Orient Area.
5. G.M., Basundhara Area.
6. G.M., Central Workshop
7. C.M.S. I/c, CH, Ib Valley.
8. C.M.S., MCL, HQ., Burla.
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10. Area Safety Officer, Lakhanpur Area.
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12. Area Safety Officer, Basundhara Area.
13. Area Medical Officer, Orient Area.
14. Area Medical Officer, Basundhara Area.
15. Area Medical Officer, Lakhanpur Area.
16. Area Personnel Manager, Central Workshop.
17. All Unit Heads of IBV/LKP/ORIENT/ B.G. Area.

Yours faithfully

Chief of Medical Services (OH I/c)  
 Ib Coalfields

Mr. Manager (mining), SOCP,  
 Ib Valley Area.

50/2008  
 507