

EASTERN COALFIELDS LIMITED

(A Subsidiary of coal India Limited)

Office of the General Manager
Satgram Area, District : Paschim Burdwan
P.O Devchandnagar Pin:713332 W.B
Email: gm.satgram@gmail.com



ईस्टर्न कोलफील्ड लिमिटेड

(कोल् इंडिया का सन्मिडियरी)

महाप्रबंधक का कार्यालय-सातग्राम क्षेत्र
जिला: पश्चिम बर्दमान पोस्ट ऑफिस: देवचंदनगर
पिनकोड:713332 पश्चिमबंगाल
ईमेल: gm.satgram@gmail.com

Ref/No: ECL/ GM(SAT)/ENV /18-19/13

Dated: 21/11/2018

To
The Additional PCCF
Govt. of India
Ministry of Environment & Forest,
Eastern Regional Office,
A/3 Chandra Shekharapur,
Bhubaneswar (Orissa) Pin - 751023


Sub: - Half yearly Environmental Clearance compliance report (from April- 2018 to Sept-2018) of Kalidaspur Project under Satgram Area.

Dear Sir,

Please find enclosed herewith the half yearly EC Compliance report from the period **April- 2018 to Sept-2018** in respect of Kalidaspur Project under Satgram Area, ECL for your kind information.

Thanking You,

Regards,


21.11.18

Chief Manager (Mining)/Agent
Kalidaspur Project
Satgram



Copy to:-

1. G.M. (Env) ECL. HQ, Borachak House; for uploading on companies website
2. AE (C)
3. File.

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the Project | # | KALIDASPUR PROJECT (U/G) |
| MOEF&CC EC No. | # | J-11015/20/851A OF 20/02/86 |
| MOEF&CC CONDITIONS : | | |
| A (a) Production during April- 2018 to Sept- 2018 | # | 0.046335 MT |
| (b) Excavated area for OCP | # | Nil, as Mine is underground |
| (c) External O.B.dump area for OCP | # | Nil, as Mine is underground |
| (d) Subsided area in UG. Mine | # | Nil, as Mine is underground |
| (e) Biological reclamation O.E reclaimed Area | # | Nil, as Mine is underground |
| (f) Plantation done | # | Surviving trees available 47350Nos. |
| B CO once in a year 24 hourly | # | CO conc. is monitored by CMPDIL and the concentration is found to be under the prescribed limit. |
| C R.P.M. 6 months during on set of Monsoon | # | Air quality monitoring is done by CMPDIL on regular basis |
| Station – A ₁ Industrial | | |
| Station – A ₂ Industrial | | |
| Station – A ₃ Industrial | | |
| D In air sample analysis report | | |
| i) Station – A ₁ Industrial | | -do- |
| Station – A ₂ Industrial | | |
| Station – A ₃ Industrial | | |
| ii) Categorization whether industrial / residential on sensitive | # | |
| Station – A ₁ Industrial & | | -do- |
| Station – A ₂ Industrial | | |
| Station – A ₃ Industrial | | |
| 1. Mining lease hold area to be restricted to 600 Ha as marked in the plan submitted by dept. Of Coal. No. forest land is to be included in the area. | # | All though the lease holds area of the mine 1000Ha but the working area confined to with 600 Ha. No forest land falls within the mining lease. |
| 2. The water supply point would be locked down stream of the meeting point of the girde channel and river Damodar and quantity to be monitored accordingly. | # | Water is not taken from river Damodar, no mine water is discharged into the river. The mine water is circulated for underground for stowing purpose. Water from wells and tube wells is used for drinking purpose only. Domestic effluent is routed through soak pits. |
| 3. A silencer and mounting to be provided in the main mine fan to main DVA value of lease than 40 at a distance of 0.5 KM from the fan. | # | The main mechanical ventilator is housed in building having evasee, which restrict propagation of noise. The monitored values of sound level at distance of 500 meter from the Fan house have been observed to be less than 40DBA. |
| 4. All pollution control measured as enlisted in the EIP to be strictly followed. | # | CMPDIL RI-1 has been entrusted with the task of carrying out routine environmental monitoring which comprises quarterly measurement of AAQ and noise levels at 3 designation stations and analysis of ground and mine discharge samples. |

**HALF YEARLY COMPLIANCE REPORT (APRIL- 2018 TO SEPT-2018) OF KALIDASPUR
PROJECT UNDER SATGRAM AREA**

- | | | | |
|---|---------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Water | # | Mine water is not discharge to Damodar river but to open land, every possible effort are being made to ensure the supply of good quality of water for drinking purpose to local habitants. |
| b | Air & Dust | # | The mine is UG and also there is no CHP functioning at Kalidaspur Project hence no pollution of air and emission of dust particles takes place |
| c | Solid Waste | # | As Kalidaspur Project is an U/G mine hence there is no solid waste |
| d | Afforestation | # | At present there are 35,150 surviving trees available area of plantations 25 Ha. |
| e | Social Environment rehabilitation on scheme | # | It is being controlled at area level/ Company level |

Project Details

- | | | | |
|----|---------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Project Type | # | Mining Industries |
| 2. | Name of the Project | # | Kalidaspur Project |
| 3. | Clearance / approval letter(s) No. & Date | # | J/11015/20/85-1A of dt: 20/02/1986 |
| 4. | Locations | # | |
| a. | District | # | Bankura |
| b. | State(s) | # | West Bengal |
| c. | Latitudes / Longitudes | # | Latitude – 84719.8 Meters Longitude – 155706.8 Meters. (Ref.GSI of MK 258 Station) |
| 5. | Address of correspondence | # | C.M.D, Eastern Coalfields Limited, Sanctoria PO: Dishergar Dist Burdwan Pin 713333 (W.B) |
| a. | Address of concerned Head of organization (with Pin Code & telephone/ telex/ Fax Nos) | # | Environment Department Eastern Coalfields Limited Barachowk, Dist Burdwan Pin 713371 email: eclenv@gmail.com |
| b. | Address of the Head of the Project (with Pin code & telephone / Telex/ Fax Nos) | # | Chief Manager (M) / Agent Kalidaspur Project PO: Bhara Kalibari, Dist : Bankura , WB Pin : 722143 Ph.No: 03241-250342 |
| 6. | <u>Salient features</u> | | |

**HALF YEARLY COMPLIANCE REPORT (APRIL- 2018 TO SEPT-2018) OF KALIDASPUR
PROJECT UNDER SATGRAM AREA**

| | | | |
|----|------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a. | Of the project | # | Project is located on the south Bank of Damodar River in Bankura district of West Bengal, Kalidaspur Project UG. Lies at a distance of 15.0 KMs to the west of Raniganj town. A permanent bridge connects Kalidaspur UG. Project with Raniganj Town. The project is under the administrative control of G.M. Satgram Area, ECL. |
| b. | Of the environmental management plans. | # | i) Rated capacity per annum 0.135 Million Ton. ii) Total Block area – 1000 ma iii) Forest land. --34.84 Ha iv) Mineral Reserves – 17.73 Million Ton 2011-12. v) Life of Mine – 25 Years. |
| 7. | Break up of the Project Area (in ha) | # | As above |
| | Forest Area | # | Nil |
| | Non – forest area | # | 116.81 Ha |
| | Total | # | 116.81 Ha |
| 8. | Break up of project affected population. | # | No R&R was required for the project. |
| | SC/ ST / Advises | # | NA |
| 9. | <u>Financial Details :</u> | | |
| a. | Project cost as originally planned and subsequent revised estimates and the year of price reference. | # | As per original plan 43.30 crores in the year of 1980 and 74.05 crores in the year 1995 |
| b. | Allocations made for environmental management plans with item wise & year wise break up. | # | i) Plantation in industrial area 1.70Ha. ii) Cost of equipment –4.00 crores. iii) Naricultures & plantation – 4.30 crores. iv) Other development in Township/ KDP colony to improve cleanliness and acatalectic – 3.00 crores. v) Drain & Culvert – 3.00 crores. |
| c. | Benefit cost ratio/ internal rate of return & the | # | 2.84 Crores in 2006-07 |

**HALF YEARLY COMPLIANCE REPORT (APRIL- 2018 TO SEPT-2018) OF KALIDASPUR
PROJECT UNDER SATGRAM AREA**

year of assessment.

- d. Whether (C) includes the cost of environmental management as shown in (b) above. # Yes
- e. Actual expenditure incurred on the environmental management plans so far. Project Expenditure 3649.20 Lakhs EMP Expenditure 35 lakhs so far

10. Status of construction

- a. Date of commencement (actual and / or planned). # Started in January 1981
- b. Date of completion (actual and of planned) # Completed in Dec 1987
- c. Date of commissioning. # December 1987

| 11. | <u>Project Progress details Components</u> | <u>Date of Construction</u> | <u>Date of Completion</u> | <u>Date of Commissioning</u> |
|-----|------------------------------------------------------------|---------------------------------|-------------------------------|----------------------------------|
| 1. | Engineering & other project components. | Jan. 1981 | Dec. 1987 | Dec. 1987 |
| 2. | Environmental Management and pollution control components. | July 1987 | July 2001 | - |

**FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT / PLANTATION UNDER F(C)
ACT 1980 AND E(P) ACT 1986**

1. a. Name of the organization. # Eastern Coalfields Limited
- b. Env't/ Forest clearance Order Nos. # J/11015/20/85-1A of 20.02.86
2. Location Block/ Sub- Divn/ Dist/ State. # Kalidaspur Project
Block – Mejhia
Sub- Divn- Bankura
Dist : Bankura, West Bengal
3. Address for Communication. Kalidaspur Project
PO: Bhara Kalibari
Dist : Bankura (WB) -722143
4. **Existing vegetation in the area / region.**
- a. Species (trees/ shrubs/ grasses/ climbers) # Trees
- b. Major prevalent species of each type Sishu, Palash, U- claptar etc
5. **Land coverage by the project.**
- a. Total area under the Project. # 291 Acres
- b. Area covered for basic infrastructure # 36 Acres
(roads/ building/ factory etc.).

**HALF YEARLY COMPLIANCE REPORT (APRIL- 2018 TO SEPT-2018) OF KALIDASPUR
PROJECT UNDER SATGRAM AREA**

6. Details about natural vegetation.

The natural vegetation has been left undisturbed as the mine is underground in nature. Additional plantation over vacant land measuring 10 Ha has been done and further plantation is proposed in future. The species planted are mixed type.

- a. Name & number of tree/ species felled.
- b. Name of plant species still. # Plam, Mango, Palash, Sirish etc.
- c. By protecting the area will indigenous stock come up? # Yes
- d. Extent of green belt developed Area. # 10Ha

7. Plantation required to be carried out as per.

- a. Conditions of Environmental clearance in Ha/ Nos. # NA
- b. A condition of Forest(c) Act clearance in Ha/ Nos. # NA
- c. Voluntarily in Ha/ Nos. # 1600 Nos/ Ha
- a. Total area available for plantation in each category. #
 - i) Green Belt – 2 Ha
 - ii) Dump- Nil
 - iii) Back filled area – Nil
 - iv) Road side – 1 Ha
 - v) Block plantation – 5 Ha and proposed 2 Ha.

b. Plantation details (category : wise & methodology used)

| Year of Plantation | No. of Species planted. | Height, Spacing, attained | Total area covered | Area still available |
|--------------------|-------------------------|-------------------------------------|--------------------|----------------------|
| 1987-88 | 1000 | 1.50 Mtr From 5 meters to 9 meters. | 2 Ha | 17 Ha |
| 1988-89 | 3000 | Do | 2.36 Ha | 0.0 |
| 1989-90 | 500 | Do | 0.89 Ha | 0.0 |
| 1990-91 | 500 | Do | 0.89 Ha | 0.0 |
| 1991-92 | 3000 | Do | 2.00 Ha | 0.0 |

**HALF YEARLY COMPLIANCE REPORT (APRIL- 2018 TO SEPT-2018) OF KALIDASPUR
PROJECT UNDER SATGRAM AREA**

| | | | | |
|---------|--------------|-----------|---------|-----|
| 1992-93 | 10000 | Do | 3.25 Ha | 0.0 |
| 1993-94 | 5000 | Do | 2.20 Ha | 0.0 |
| 1994-95 | 5000 | Do | 2.10 Ha | 0.0 |
| 1996-97 | 1000 | Do | 1.12 Ha | 0.0 |
| 2000-01 | 500 | Do | 0.89 Ha | 0.0 |
| 2001-02 | 1000 | Do | 0.89 Ha | 0.0 |
| 2003-04 | 200 | Do | 0.20 Ha | 0.0 |
| 2012-13 | 17650 | 0.5 to 1m | 10.00Ha | 0.0 |
| 2013-17 | Continuation | Do | 10.00Ha | 0.0 |

c. Survival % of plantation

| | | |
|-------------------------|---|-----------|
| - Total plantation (No) | # | 47350Nos |
| - Survival (No) | # | 33145 Nos |
| - Survival % | # | 72% |

8. Agency carrying out plantation and dept. & local Panchayat Body maintenance # West Bengal Wasteland Development Corporation Limited
9. Financial details (year-wise) plantation wise and item wise.

| S.No | Year | No of spices planted | Expenditure made | Average cost of each surviving plant in Rs. |
|------|---------|----------------------|------------------|---------------------------------------------|
| 1. | 1987-88 | 1000 | 4223.00 | 4.223/plant |
| 2. | 1988-89 | 3000 | 13842.56 | 4.614/plant |
| 3. | 1989-90 | 500 | 1937.30 | 3.874/plant |
| 4. | 1990-91 | 500 | 2183.00 | 4.366/plant |
| 5. | 1991-92 | 3000 | 10058.00 | 3.352/plant |
| 6. | 1992-93 | 10000 | 23450.00 | 2.345/plant |
| 7. | 1993-94 | 5000 | 114325.00 | 22.865/ plant |
| 8. | 1994-95 | 5000 | 30400.00 | 06.08/plant |
| 9. | 1996-97 | 1000 | 20000.00 | 20.00/plant |
| 10. | 2000-01 | 500 | 7000.00 | 14.00/plant |
| 11. | 2001-02 | 1000 | 3000.00 | 3.00/plant |
| 12. | 2003-04 | 200 | 2000.00 | 10.00/plant |
| 13. | 2012-17 | 17650 | 18.0 Lakhs | -Do- |

#

10. Inspection of plantation by field experts and their comments and follow up action. # Inspection of plantation is done regularly and necessary action is taken time to time.
11. Remarks / any other information # Plantation is taken up in each year during Monsoon.

REPORT - II

PROFORMA FOR PROVIDING INFORMATION ON REHABILITATION

| | | | | | | | |
|-----|------------------------------------------|-----|----------------------------|-----|-----|-------|--|
| 1. | No. of Villages affected | : - | Nil | | | | |
| 2. | Families affected | : - | SC | ST | OTH | TOTAL | |
| | | | NIL | NIL | NIL | NIL | |
| 3. | Compensation Package offered | : - | Affected per family – NIL | | | | |
| | | | Status central norms – NIL | | | | |
| | | | Project Package -- NIL | | | | |
| 4. | Budget Estimate for rehabilitation:- | | | | | | |
| a) | Total Outlay | : - | NIL | | | | |
| b) | Amount paid / used | : - | NIL | | | | |
| 5. | Employment details | | | | | | |
| a) | Total Employment to be provided | : - | SC | ST | OTH | TOTAL | |
| | | | NIL | NIL | NIL | NIL | |
| b) | Employment given so far | : - | SC | ST | OTH | TOTAL | |
| | | | NIL | NIL | NIL | NIL | |
| 6. | Rehabilitation & Re- settlement details. | | | | | | |
| a) | No. of families rehabilitated | : - | Nil | | | | |
| i) | Name of the site | : - | NA | | | | |
| ii) | Families rehabilitated | : - | SC | ST | OTH | TOTAL | |
| | | | NIL | NIL | NIL | NIL | |
| b) | Families yet to be rehabilitated | : - | NA | | | | |
| i) | Name of Site (s) | : - | NA | | | | |
| ii) | No. of Families | : - | SC | ST | OTH | TOTAL | |
| | | | NIL | NIL | NIL | NIL | |
| 7. | Any other information | : - | NIL | | | | |

Letter Head of Agent/Chief Manager (Mining)

UNDERTAKING

Information provided in half yearly EC compliance report for the period April 18-Sept 18 in respect of the Kalidaspur Project of Standalone EC (Eastern Coalfields Limited) is true to the best of my knowledge:


 Agent/Chief Manager (Mining)
 Kalidaspur Project/Satgram Area ECL
