# ENVIRONMENTAL AUDIT STATEMENTS

## Financial Year : 2019-20

# WESTERN COALFIELDS LTD.

(A Miniratna Company)

A Subsidiary of Coal India Ltd.

# BALLARPUR AREA

# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026500

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Ballarpur Colliery 3 &4 pits

***Application UAN number***
-

***Address***
Ballarpur Colliery 3 & 4 pit , Ballarpur Area, WCL

***Plot no***
168 206 207 208 209 268 278 280 282 283 116 117 94

***Taluka***
Ballarpur

***Village***
Ballarpur

***Capital Investment (In lakhs)***
3897

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***
442701

***Person Name***
Sanjay Mishra

***Designation***
Sub Area Manager

***Telephone Number***
9422135753

***Fax Number***
07173230076

***Email***
envbc34@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/UAN No. 09399/R/CC-1706000438

***Consent Issue Date***
08/06/2017

***Consent Valid Upto***
30/06/2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 0.60 | 0.101 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| - | - | - | MT/A |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 42 | 42 |
| ***Cooling*** | - | - |
| ***Domestic*** | 1500 | 1500 |
| ***All others*** | - | - |
| ***Total*** | 1542 | 1542 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Daily trade effluent | 2900 | 1297 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.124 | 0.152 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 0.406 | 0.376 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| High Speed Diesel | - | 5.0 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 0 | 0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 0 | 0 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| - | - | - | M3/Anum |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0 | 0 | M3/Anum |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | 0 | KL/A | 0 |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | 0 | M3/Anum | 0 |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | 0 | 12000 | 1280000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Sanjay Mishra, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026503

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited

***Application UAN number***
-

***Address***
Ballarpur Opencast Mine, Ballarpur Area, WCL

***Plot no***
284 285 286 287 288 289 290

***Taluka***
Ballarpur

***Village***
-

***Capital Investment (In lakhs)***
2500

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***
442706

***Person Name***
Sanjay Mishra

***Designation***
Sub Area Manager

***Telephone Number***
9422135753

***Fax Number***
07173230076

***Email***
envbocm@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/TB-2, UAN no. 9401 R/CC/1806000238

***Consent Issue Date***
05/06/2018

***Consent Valid Upto***
30/06/2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 0.625 | 0.625 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| - | - | - | MT/A |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 460 | 460 |
| ***Cooling*** | - | - |
| ***Domestic*** | 180 | 160 |
| ***All others*** | - | - |
| ***Total*** | 640 | 620 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade effluent | 1391.5 | 472 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.268 | 0.268 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 2.624 | 0.195 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 773 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report attached in Part I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO stack monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.2 Wastes or residues containing oil | 1.0 | 0 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 5.0 | 5.0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Overburden | 2734000 | 112000 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | 0 | KL/A | - |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | 112000 | M3/Anum | - |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | -0.189 | 1518000 | 574000 | - | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | environmental protection abatement of pollution, prevention of pollution | - |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | environmental protection abatement of pollution, prevention of pollution | - |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

-

***Name & Designation***

Sanjay Mishra, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026510

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Western Coal Fields Ltd Gouri Deep Opencast Mine

***Application UAN number***
-

***Address***
Plot no: 62 110 189 of antargaon, 165 141 of goyegaon etc, Gouri Deep Opencast Mine, WCL, Ballarpur Area, Taluka: Rajura, Dist: Chandrapur: 442706

***Plot no***
62 110 189 of antargaon, 165 141 of goyegaon

***Taluka***
Rajura

***Village***
-

***Capital Investment (In lakhs)***
8621

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442706

***Person Name***
G. Prasad

***Designation***
SUB AREA MANAGER

***Telephone Number***
8275968242

***Fax Number***
07173230076

***Email***
envgourideep@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format1.0/CAC/UAN no. 0000088109/CR-2009000280

***Consent Issue Date***
07.09.2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 0.60 | 0.60 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | -- | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 222 | 252 |
| ***Cooling*** | - | - |
| ***Domestic*** | 10 | 10 |
| ***All others*** | 170 | - |
| ***Total*** | 402 | 262 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| daily trade effluent | 1237 | 1237 | CMD |
| Domestic effluent | 6 | 6 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.1533 | 0.1533 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 0.85 | 0.81 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 2405 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.2 Wastes or residues containing oil | 1.0 | 1.50 | Ton/Y |
| 5.1 Used or spent oil | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 2.0 | 9.0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 1361000 | 1418000 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | -- | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | KL/A | Mine is contractual |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 1418000 | M3/Anum | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | -0.531 | -6000 | 180000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | VARIOUS AIR, WATER AND NOISE CONTROL MEASURES INCLUDING CESS. | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | VARIOUS AIR, WATER AND NOISE CONTROL MEASURES | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

G. Prasad, SUB AREA MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026507

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Western Coal Fields Ltd Gouri I & II Opencast Mine

***Application UAN number***
-

***Address***
Gouri I & II Opencast Mine, WCL, Ballarpur Area, PO: Gouri Taluka: Rajura, Dist: Chandrapur - 442706

***Plot no***
-

***Taluka***
Rajura

***Village***
-

***Capital Investment (In lakhs)***
13131.42

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442706

***Person Name***
G Prasad

***Designation***
Sub Area Manager

***Telephone Number***
8275968242

***Fax Number***
07173230076

***Email***
envgouri12@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format1.0/CAC/UAN No. 0000088021/CR-2009000279

***Consent Issue Date***
07-09-2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 0.8 | 0.627 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 674 | 674 |
| ***Cooling*** | - | 0 |
| ***Domestic*** | 8 | 8 |
| ***All others*** | 150 | - |
| ***Total*** | 832 | 682 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| daily trade effluent | 753 | 628.4 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.346 | 0.392 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 2.566 | 3.065 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 3208 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 5.0 | 2.0 | KL/A |
| 5.2 Wastes or residues containing oil | 1.0 | 2.0 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 8.0 | 8.0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 3200000 | 3934000 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | - | Ton/Y | - |
| 5.2 Wastes or residues containing oil | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 3934000 | M3/Anum | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | 1.52 | -100000 | 585000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | FOR VARIOUS AIR, WATER AND NOISE CONTROL MEASURES INCLUDING CESS. | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | FOR VARIOUS AIR, WATER AND NOISE CONTROL MEASURES | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

G. Prasad, SUB AREA MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026515

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited

***Application UAN number***
-

***Address***
Pauni II Expansion OC mine, WCL Ballarpur Area, Rajura, Chandrapur

***Plot no***
-

***Taluka***
Rajura

***Village***
Sakhari

***Capital Investment (In lakhs)***
16882.53

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***
442706

***Person Name***
J. S. Parihar

***Designation***
Sub Area Manager

***Telephone Number***
7767988059

***Fax Number***
07173230076

***Email***
envpouni2@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format1.0/CAC/UAN no. 0000088011/CR-2009000032

***Consent Issue Date***
02/09/2020

***Consent Valid Upto***
31/03/2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 3.25 | 2.105 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 347 | 347 |
| ***Cooling*** | - | - |
| ***Domestic*** | 20 | 20 |
| ***All others*** | 210 | - |
| ***Total*** | 577 | 367 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade effluent | 454 | 104 | CMD |
| Domestic Trade effluent | 16 | 16 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.1825 | 0.0636 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 1.045 | 0.572 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 223 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report attached in Part I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO stack monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | - | 0 | KL/A |
| 5.2 Wastes or residues containing oil | - | 0 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 0 | 0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Overburden | 2780000 | 6469000 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | 0 | KL/A | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | 6469000 | M3/Anum | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | -17 | -0.405 | -577000 | 67000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | environmental protection abatement of pollution, prevention of pollution | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | environmental protection abatement of pollution, prevention of pollution | 65.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

J. S. Parihar, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026512

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Western Coal Fields Ltd Pouni Opencast Mine

***Application UAN number***
-

***Address***
Plot no: 134 150 181 212/1 etc, Pouni Opencast Mine, WCL, Ballarpur Area, Taluka: Rajura, Dist: Chandrapur - 442706

***Plot no***
134 150 181 212/1 etc

***Taluka***
Rajura

***Village***
-

***Capital Investment (In lakhs)***
9615.3

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442706

***Person Name***
J. S. Parihar

***Designation***
Sub Area Manager

***Telephone Number***
7767988059

***Fax Number***
07173230076

***Email***
envpouni@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format1.0/CAC/UAN no. 0000088154/CR-2009000031

***Consent Issue Date***
02/09/2020

***Consent Valid Upto***
31/03/2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 0.9 | 0.862 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 1170 | 318 |
| ***Cooling*** | - | - |
| ***Domestic*** | 16 | 16 |
| ***All others*** | 90 | - |
| ***Total*** | 1276 | 334 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| daily trade effluent | 967 | 892 | CMD |
| domestic trade effluent | 5 | 5 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.129 | 0.141 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 1.32 | 1.375 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 2780 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED | - | - | - | -- | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | -- | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 5.0 | 6.0 | KL/A |
| 5.2 Wastes or residues containing oil | 1.0 | 2.0 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 3.0 | 7 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 3002000 | 2583000 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.2 Wastes or residues containing oil | - | Ton/Y | - |
| 35.3 Chemical sludge from waste water treatment | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| overburden | 2583000 | M3/Anum | onsite captive landfill |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | 1.369 | 2000 | -461000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

J. S. Parihar, Sub area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026506

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Western Coal Fields Ltd Sasti Opencast Mine

***Application UAN number***
-

***Address***
Sasti Opencast Mine, WCL, Ballarpur Area, Taluka: Rajura, Dist: Chandrapur - 442706

***Plot no***
-

***Taluka***
Rajura

***Village***
-

***Capital Investment (In lakhs)***
25797.6

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442706

***Person Name***
Jitendra Tiwari

***Designation***
Sub Area Manager

***Telephone Number***
8275968348

***Fax Number***
07173230076

***Email***
envsocm@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format1.0/CAC/UAN no. 0000088081/CR-2009000281

***Consent Issue Date***
07/09/2020

***Consent Valid Upto***
31/03/2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 2.0 | 1.686 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 566 | 566 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 40 | 40 |
| ***All others*** | 210 | 0 |
| ***Total*** | 816 | 606 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| TRADE EFFLUENT | 6604 | 6454.608 | CMD |
| DOMESTIC EFFLUENT | 20 | 20 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL | 0.127 | 0.122 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE | 2.533 | 3.836 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 4435 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN PART I | 0 | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | NO STACK EMMISSION |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 15 | 10 | KL/A |
| 5.2 Wastes or residues containing oil | 3 | 2 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 10 | 7 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 9950000 | 12480000 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Kg |
| 0 | - | - | Kg |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.2 Wastes or residues containing oil | - | Ton/Y | - |
| 35.3 Chemical sludge from waste water treatment | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| IN COMPARISION TO PREVIOUS FINANCIAL YEAR | 0 | -0.507 | -2344000 | -133000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Mechanical road sweeping machine | 40.0 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Jitendra Tiwari, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026496

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
Sasti Underground Mine

***Application UAN number***
-

***Address***
Near Sasti Village on Rajura Ballarpur road

***Plot no***
140, 141, 142

***Taluka***
Rajura

***Village***
-

***Capital Investment (In lakhs)***
2896

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442706

***Person Name***
Jitendra Tiwari

***Designation***
Sub Area Manager

***Telephone Number***
8275968348

***Fax Number***
07173230076

***Email***
envballarpur@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/UAN no 01004/R/CC/1709000970

***Consent Issue Date***
27/09/2017

***Consent Valid Upto***
31/03/2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 0.36 | 0.107 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 557 | 2253.8 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 180 | 1071.35 |
| ***All others*** | 0 | 0 |
| ***Total*** | 737 | 3325.15 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| TRADE EFFLUENT | 3100 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL | 6.538 | 7.688 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE | 0.388 | 0.392 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 7000 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | 0 | - | - | - | NO TRADE EFFLUENT |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | NO STACK EMMISSION |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0 | |
| 35.3 Chemical sludge from waste water treatment | 0 | 0 | |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | - | - | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Kg |
| 0 | - | - | Kg |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | Ton/Y | 0 |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| IN COMPARISION TO PREVIOUS FINANCIAL YEAR | 0 | -0.008 | 7000 | 313000 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Jitendra Tiwari, Sub Area Manager

# CHANDRAPUR AREA
# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025210

***Submitted Date***
28-08-2020

### *Company Information*

***Company Name***
M/s Western Coalfields Ltd, Bhatadi Open Cast Mine

***Application UAN number***
MPCB-CONSENT-0000066844

***Address***
POST-BHATADI

***Plot no***
Document uploaded

***Taluka***
Chandrapur

***Village***
WCL-CHANDRAPUR AREA

***Capital Investment (In lakhs)***
24532.00

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***

***Person Name***
Jasbir Singh Parihar

***Designation***
Sub Area Manager

***Telephone Number***
8275967635

***Fax Number***

***Email***
wclchaenv@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
no

***Consent Number***
MPCB-CONSENT-0000066844

***Consent Issue Date***
20.05.2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 1.465 | 1.465 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 500 | 400 |
| *Cooling* | - | - |
| *Domestic* | 65 | 65 |
| *All others* | - | - |
| *Total* | 565 | 465 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Daily Trade Effluent | 9320 | 6000 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.0749 | 0.0997 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0.00208 | 0.00091 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 4044.93 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Monitoring Report Enclosed in Step-I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| No Stack Monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 29.75 | 30.20 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.2 Wastes/residue containing oil | 5.60 | 5.80 | Ton/Y |
| 34.3 Chemical sludge from waste water treatment | 12.20 | 42.85 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Overburden | 19446.6 | 11534.24 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

#### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used /spent oil | 30.20 | KL/A | Auctioned to CPCB authorized recyclers |
| 5.2 Wastes/residue containing oil | 5.80 | Ton/Y | Disposed by MEPL |
| 34.3 Chemical sludge from waste water treatment | 42.85 | Ton/Y | Disposed by MEPL |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | 11534.24 | CMD | OB was stored as external OB Dump |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of Pollution Control Measures | -210 | -0.58 | 691995 | -54384 | 10.23 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Air & Water Pollution Control Measures | 10.23 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Air & Water & Solid waste Pollution Control Measures | 25.00 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

Attachments as asked

***Name & Designation***

Shri. Devendra Prasad, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023617

***Submitted Date***
19-05-2020

### *Company Information*

***Company Name***
M/s Western Coalfields Ltd. Chanda Rayatwari Colliery

***Application UAN number***
MPCB-CONSENT-0000020176

***Address***
Post- Babupeth

***Plot no***
Document Attached

***Taluka***
Chandrapur

***Village***
Rayatwari Area

***Capital Investment (In lakhs)***
1857.80

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***

***Person Name***
Imma Reddy. Sudhakar Reddy.

***Designation***
Colliery Manager

***Telephone Number***
8275967536

***Fax Number***

***Email***
crcchandrapur@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
MPCB-CONSENT-0000020176

***Consent Issue Date***
24.12.2019

***Consent Valid Upto***
31.12.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.06 | 0.00 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| N.A. | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 170 | 100 |
| ***Cooling*** | - | - |
| ***Domestic*** | 185 | 170 |
| ***All others*** | - | - |
| ***Total*** | 355 | 270 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 0 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0 | 0 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0 | 0 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | 9.00 | 0.00 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | NA | NA | M3/Month |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | NA | KL/A | NA |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | NA | CMD | NA |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of Pollution Control Measures | 0.00 | 0.00 | 0.00 | 2033 | 0.52 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | WATER POLLUTION CONTROL | 0.52 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | AIR POLLUTION CONTROL | 0 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

ATTACHMENTS AS ASKED

***Name & Designation***

sHRI I. S. REDDY, COLLIERY MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000024547

***Submitted Date***
27-07-2020

### *Company Information*

***Company Name***
M/s. WESTERN COALFIELDS LIMITED, Durgapur Opencast Mine

***Application UAN number***
MPCB-CONSENT-0000066122

***Address***
POST-DURGAPUR

***Plot no***
Document uploaded

***Taluka***
Chandrapur

***Village***
WCL-CHANDRAPUR AREA

***Capital Investment (In lakhs)***
29685.88

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***

***Person Name***
Shri Bhagwan Prasad

***Designation***
Sub Area Manager

***Telephone Number***
8275967528

***Fax Number***

***Email***
durgapurocwcl@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
no

***Consent Number***
MPCB-CONSENT-0000066122

***Consent Issue Date***
20.05.2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 3.00 | 1.897 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 550 | 550 |
| ***Cooling*** | - | - |
| ***Domestic*** | 1500 | 1500 |
| ***All others*** | - | - |
| ***Total*** | 2050 | 2050 |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Daily Trade Effluent | 2690 | 2050 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.130 | 0.106 | KL/A |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0.00217 | 0.00165 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 4084.35 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Monitoring Report Enclosed in Step-I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| No Stack Monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 45.78 | 37.17 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 6.48 | 6.20 | Ton/Y |
| 5.2 Wastes/residue containing oil | 20.88 | 32.60 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Overburden | 15972.6 | -1205.5 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

#### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used /spent oil | 37.17 | KL/A | Auctioned to CPCB authorized recyclers |
| 5.2 Wastes/residue containing oil | 6.20 | Ton/Y | Disposed off via MEPL to CHWTSDF |
| 34.3 Chemical sludge from waste water treatment | 32.60 | Ton/Y | Disposed off via MEPL to CHWTSDF |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | -1205.5 | CMD | OB was backfilled (Utilized) hence, negative |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of Pollution Control Measures | 0 | 0.72 | 201825 | -3419831 | 7.50 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Air Pollution Control Measures | 7.50 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Air & Water Pollution Control Measures | 26.00 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

One no. of CAAQMS, Biodigester are likely to be installed at DOCP during 2020-21

***Name & Designation***

Shri. J. S. Parihar, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023811

***Submitted Date***
12-06-2020

### *Company Information*

***Company Name***
M/s Western Coalfields Limited, DURGAPUR RAYATWARI COLLIERY

***Application UAN number***
-

***Address***
Post- Chandrapur

***Plot no***
-

***Taluka***
Chandrapur

***Village***
Chandrapur

***Capital Investment (In lakhs)***
7500.11

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442401

***Person Name***
B RAMARAO

***Designation***
SUB AREA MANAGER

***Telephone Number***
07172277929

***Fax Number***
07172277929

***Email***
ramaraobhagavatula@yahoo.in

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/EIC no.CH-1558-14/R/CC-8290

***Consent Issue Date***
22.05.2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 0.92 | 0.155 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | Ton/Y |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | - | 80 |
| ***Cooling*** | - | - |
| ***Domestic*** | 200 | 160 |
| ***All others*** | - | - |
| ***Total*** | 200 | 240 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 3750 | 3750 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL (CUBIC METER/TONNE) | 0.386 | 0.158 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE (Kg/Ton) | 0.401 | 0.414 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 23.025 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | NA | NA | Ton/Y |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | CMD |

## Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | NA | KL/A | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | NA | Ton/Y | - |

## Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 120 | -0.029 | -522.421 | -2348520 | 0 | - |

## Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | AIR & WATER POLLUTION CONTROL | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | Air & Water pollution control measures | 40 |

## Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Attachments as asked

### Name & Designation

B RAMARAO, SUB AREA MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023618

***Submitted Date***
19-05-2020

### *Company Information*

***Company Name***
M/s Western Coalfields Limited, Hindustan Lalpeth Colliery 1 & 3

***Application UAN number***
MPCB-CONSENT-0000001997

***Address***
POST- HINDUSTAN LALPETH COLLIERY

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| NA | Chandrapur | WCL-Chandrapur Area |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 2662.92 | L.S.I. | Chandrapur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 442507 | Shri. R. K. Dhabaria | Sr. Manager |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 8275967562 | - | managerhlc1@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | BO/JD(APC)/UAN No. 1997/R/CC-0241 | 07.12.2017 |

***Consent Valid Upto***
31.03.2020

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 0.18 | 0 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 120 | 100 |
| ***Cooling*** | - | - |
| ***Domestic*** | 210 | 120 |
| ***All others*** | - | - |
| ***Total*** | 330 | 220 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Daily Trade Effluent | 655 | 600 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic Meter/Tonne) | 0 | 0 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives (KG/Tonne) | 0 | 0 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | 7.2 | 0 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN STEP I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | NA | NA | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | NA | KL/A | - |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | NA | CMD | - |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution control measures | 0 | 0 | 0 | 922731 | 0 (Mine has been closed permanently since 12.10.2017 ) | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | AIR POLLUTION CONTROL, WATER POLLUTION CONTROL, PLANTATION | 0 (Mine has stopped working since 12.10.2017 & is preparing for permanent closure) |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | WATER POLLUTION CONTROL (Construction of STP for colony) | 0 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

Documents as asked

***Name & Designation***

SHRI R. K. DHABARIA, SR. MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023507

***Submitted Date***
27-04-2020

### *Company Information*

***Company Name***
Hindusthan Lalpeth Open Cast Project

***Application UAN number***
MPCB-CONSENT-0000024187

***Address***
POST-LALPETH

***Plot no***
document uploaded

***Taluka***
Chandrapur

***Village***
Chandrapur Area

***Capital Investment (In lakhs)***
9217.00

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***

***Person Name***
Arun Chandra Haldar

***Designation***
Sub Area Manager

***Telephone Number***
8275967560

***Fax Number***

***Email***
hlsubarea@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
MPCB-CONSENT-0000024187

***Consent Issue Date***
02.01.2020

***Consent Valid Upto***
31.03.2020

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 1 | 0 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 200 | 100 |
| ***Cooling*** | - | - |
| ***Domestic*** | 50 | 0 |
| ***All others*** | - | - |
| ***Total*** | 250 | 100 |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Daily Trade Effluent | 25 | 20 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0 | 0 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0 | 0 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 0.4088 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| As per the Water Quality Report Attached in Part-I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| No Stack Monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 0 | 0 | |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 0 | 0 | Ton/Y |
| 5.2 Wastes/residue containing oil | 0 | 0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 2007 | 0 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | - | - | Kl |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used /spent oil | 0 | KL/A | Mine is non operational since April 2018 hence there is no generation of Hazardous Waste during 2019-20 |
| 5.2 Wastes/residue containing oil | 0 | Ton/Y | Mine is non operational since April 2018 hence there is no generation of Hazardous Waste during 2019-20 |
| 34.4 Chemical sludge, oil and grease skimming residue | 0 | Ton/Y | Mine is non operational since April 2018 hence there is no generation of Hazardous Waste during 2019-20 |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 0 | CMD | Stacked outsie and stabilised by plantation. Backfilled as and when possible. |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the Pollution Control Measures | -10 | 0.05668 | 0 | 254372 | 5.20 | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | For Air Pollution Control (GI Sheet Cladding) | 5.20 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | For Air Pollution Control | 10 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Attachments as asked

### Name & Designation

Shri. A. C. Haldar, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023934

***Submitted Date***
22-06-2020

### *Company Information*

***Company Name***
M/s. Western Coalfield Limited, Manna Incline

***Application UAN number***
MPCB-CONSENT-0000045250

***Address***
Post- Lalpeth

***Plot no***
Document Uploaded

***Taluka***
Chandrapur

***Village***
Lalpeth Area

***Capital Investment (In lakhs)***
797.30

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***
442403

***Person Name***
Prafulla kumar

***Designation***
Mine Manager, Manna Incline

***Telephone Number***
8275967562

***Fax Number***

***Email***
manna.safety@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/EIC no:CH-1687-14/R/CC/11775

***Consent Issue Date***
10.12.2014

***Consent Valid Upto***
31.03.2018

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.15 | 0.095 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 14 | 13.50 |
| *Cooling* | - | - |
| *Domestic* | 4 | 4 |
| *All others* | - | - |
| *Total* | 18 | 17.50 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Daily Trade Effluent | 8.3 | 28 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic Meter/Tonne) | 0.0433 | 0.0447 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive (KG/Tonne) | 0.329 | 0.342 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 5947.50 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| MONITORING REPORT UPLOADED AT STEP I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | NA | NA | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | NA | KL/A | - |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | NA | CMD | - |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution control measures | 0 | -3.5 | -177.45 | -167176 | 8.019 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | Air Pollution Control Measures | 8.019 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | Air Pollution Control Measures | 0.00 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

Attachments as asked

***Name & Designation***

Praffula Kumar, Mine Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023596

***Submitted Date***
18-05-2020

### *Company Information*

***Company Name***
MAHAKALI COLLIERY

***Application UAN number***
MPCB-CONSENT-0000064952

***Address***
Post- Babupeth

***Plot no***
423

***Taluka***
Chandrapur

***Village***
Rayatwari Area

***Capital Investment (In lakhs)***
2355.00

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***
442403

***Person Name***
VIJAY SHANKAR TIWARI

***Designation***
MINE MANAGER

***Telephone Number***
8275967536

***Fax Number***

***Email***
mahakalicolliery@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/UAN No. 64952/R/CC - 1422

***Consent Issue Date***
24/12/2019

***Consent Valid Upto***
31.03.2022

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.4 | 0.083 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 115 | 112 |
| *Cooling* | - | - |
| *Domestic* | 250 | 240 |
| *All others* | - | - |
| *Total* | 365 | 352 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 4115 | 4100 | CMD |
| . | - | - | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.341 | 0.414 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0.328 | 0.294 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | -- | 19.86 | |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN PART1 | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | 0 | 0 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

---

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | CMD | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | CMD | - |

---

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of pollution control measures | - | 0.015 | 14286 | 38025 | 2523.41 | - |
| . | - | - | - | - | - | - |

---

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | PLANTATION, SPRINKLERS, FILTER PLANT ETC | 24.40 on Re-carpeting of Coal Transportation road |
| REVENUE EXPENDITURE | PLANTATION, SPRINKLERS, FILTER PLANT ETC | 88.77 ON O&M OF POLLUTION CONTROL MEASURES |

---

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

---

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

environmental protection and abatement of pollution

### Name & Designation

RAMARAO, SUB AREA MANAGER, RAYATWARI SUB AREA

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000023813

***Submitted Date***
12-06-2020

### *Company Information*

***Company Name***
Nandgaon Incline, Western Coal Fields Ltd

***Application UAN number***
-

***Address***
Babupeth CHANDRAPUR

***Plot no***
-

***Taluka***
-

***Village***
Babupeth

***Capital Investment (In lakhs)***
1290.361 (as on 31.03.2017)

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442403

***Person Name***
R. K. Singh

***Designation***
MINE MANAGER

***Telephone Number***
07172225158

***Fax Number***
-

***Email***
managernicha@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JDAPW/UAN NA 22310/R/CC-1046

***Consent Issue Date***
24.12.2019

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 0.30 | 0.083 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 172 | 172 |
| *Cooling* | - | - |
| *Domestic* | 310 | 310 |
| *All others* | - | - |
| *Total* | 482 | 482 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Daily trade effluent | 6508 | 4860 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| coal (CUBIC METER/TONNE) | 0.455 | 0.636 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 0.269 | 0.307 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | 7.289 | 8.3197 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| WATER REPORT ATTACHED IN STEP I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | -- | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | NA | NA | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | NA | NA | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | NA | CMD | - |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | NA | CMD | - |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | -0.0039 | 5590.27 | -21905 | 16.63 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE (Special Purpose Budget) | Air Pollution Control measures such as strengthening of roads etc | 16.63 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | Water Pollution Control measures | 40.00 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

Attachments as asked

***Name & Designation***

R. K. Singh, MINE MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000024975

***Submitted Date***
18-08-2020

### *Company Information*

***Company Name***
M/s Western Coal Fields Limited, Padmapur Open Cast Mine

***Application UAN number***
MPCB-CONSENT-0000020395

***Address***
POST-PADMAPUR

***Plot no***
document uploaded

***Taluka***
Chandrapur

***Village***
WCL-CHANDRAPUR AREA

***Capital Investment (In lakhs)***
24076.00

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***

***Person Name***
D. Prasad

***Designation***
Sub Area Manager

***Telephone Number***
8275967635

***Fax Number***

***Email***
sampadmapur@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
MPCB-CONSENT-0000020395

***Consent Issue Date***
11.03.2020

***Consent Valid Upto***
31.03.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 2.5 | 1.08 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 4125 | 415 |
| *Cooling* | - | - |
| *Domestic* | 30 | 28 |
| *All others* | 10 | 10 |
| *Total* | 4165 | 453 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 4125 | 7785 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.139 | 0.141 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 0.001678 | 0.00123 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 4540.6 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| as per water quality report attached in part I | - | - | -- | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 28.98 | 32.13 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | 17.76 | 5.12 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 7627 | 7032 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used /spent oil | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used /spent oil | 32.13 | KL/A | Auctioned to CPCB Authorised Recyclers |
| 5.2 Wastes/residue containing oil | 5.12 | Ton/Y | Disposed off by MEPL |
| 34.4 Chemical sludge, oil and grease skimming residue | 36 | Ton/Y | Disposed off by MEPL |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 7032 | CMD | External Dumps are stablised by Plantation and backfilling is carried out if possible. |
| - | - | CMD | - |
| - | - | CMD | - |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | -52 | 0.7 | 273570 | -321925 | 11.56 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | FOR AIR POLLUTION CONTROL MEASURES | 11.56 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | FOR AIR CONTROL MEASURES | 20.00 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

CAAQMS procured for installation at nearest mine Durgapur on Cluster basis and a Mechanical sweeper procured for mines of Chandrapur Area. & 1 No. of Mist/Fogger for Padmapur Mine under Procurement.

***Name & Designation***

D. Prasad, Sub Area Manager

# MAJRI AREA

# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025481

***Submitted Date***
05-09-2020

### *Company Information*

***Company Name***
New Majri Underground to OC Mine

***Application UAN number***
MPCB-CONSENT-00000022549

***Address***
New Majri UG to OC Mine, At: Majri, PO: Shivjinagar, Ta: Bhadrawati, District: Chandrapur, Maharashtra

***Plot no***
235-249

***Taluka***
Bhadrawati

***Village***
Shivjinagar

***Capital Investment (In lakhs)***
10830.61

***Scale***
LSI

***City***
Chandrapur

***Pincode***
442503

***Person Name***
Balmiki Prasad

***Designation***
Sub Area Manager

***Telephone Number***
8275967116

***Fax Number***
07175285088

***Email***
newmajriugtooc@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
format1.0/CAC/UAN No. 0000018990/CO-2003000553 dated 09.03.2020

***Consent Issue Date***
09.02.18

***Consent Valid Upto***
31.03.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 1200000 | 1200000 | Ton/Y |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 128 | 128 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 5 | 5 |
| ***All others*** | 0 | 0 |
| ***Total*** | 133 | 133 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Daily Trade Effluent | 8372 | 4293 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL(CUBIC METER/TONNE) | 0.038 | 0.0325 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVES (KG/TONNE) | 0.001355 | 0.0006363 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | NA | 1893.341 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Monitoring report attached | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | 0 | 0 | 0 | 0 | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 12.01 | 29.14 | KL/A |
| 5.2 Wastes or residues containing oil | 0.70 | 1 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 2.2 Sludge containing oil | 8.15 | 1 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Overburden incl. Top Soil | 3665755 | 3856904 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | 0 | 0 | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0 | 0 | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 8.028 | KL/A | Auhorised recycler |
| 5.2 Wastes or residues containing oil | 2 | Ton/Y | CHWTSDF BUTIBORI |
| 2.2 Sludge containing oil | 0 | | CHWTSDF BUTIBORI |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN incl. TOP SOIL | 3856904 | M3/Anum | OB Dump, top Soil Dump and Embankment |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | 0 | 0.5 | 9000 | NA | 1.35 | 0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Pollution control measures | Capital Expenditure | 1.35 |
| Pollution control measures | Revenue Expenditure | 27.08 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | for Environment protection | 15 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Environment protection and abatement of pollution

### Name & Designation

B.K. Gupta, Dy.G.M. (min)/ Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025478

***Submitted Date***
05-09-2020

### *Company Information*

***Company Name***
New Majri – II (A) Open Cast Coal Mine Expansion Project

***Application UAN number***
MPCB-CONSENT-0000089557

***Address***
New Majri II (A) OC Mine, At: Majri, PO: Shivjinagar, Ta: Bhadrawati, District: Chandrapur, Maharashtra

***Plot no***
1-10

***Taluka***
Bhadrawati

***Village***
Shivjinagar

***Capital Investment (In lakhs)***
12511.52

***Scale***
L.S.I

***City***
Chandrapur

***Pincode***

***Person Name***
Balmiki Prasad

***Designation***
Sub Area Manager

***Telephone Number***
8275967116

***Fax Number***
07175285088

***Email***
newmajrioc@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
no

***Consent Number***
MPCB-CONSENT-0000089557

***Consent Issue Date***
17.06.2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 2500000 | 2500000 | Ton/Y |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | 0 | 0 | Ton/Y |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 850 | 800 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 750 | 500 |
| ***All others*** | 50 | 50 |
| ***Total*** | 1650 | 1350 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine discharge | 17797 | 6912 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.165 | 0.0976 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0.002817 | 0.0019978 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | na | 4029.59 | |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER WATER QUALITY REPORT | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| STACK (NA) | 0 | 0 | 0 | 0 | 0 |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 14.55 | 109.045 | KL/A |
| 5.2 Wastes or residues containing oil | 2.16 | 1.8 | Ton/Y |
| 35.3 Chemical sludge from waste water treatment | 16.39 | 24.48 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0 | KL/A |
| 5.2 Wastes or residues containing oil | 0 | 0 | Ton/Y |
| 35.3 Chemical sludge from waste water treatment | 16.39 | 24.48 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| over burden (OB) | 11846000 | 10537077 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NIL | 0 | 0 | M3/Anum |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0 | KL/A |
| 5.2 Wastes or residues containing oil | 0 | 0 | Ton/Y |
| 35.3 Chemical sludge from waste water treatment | 0 | 0 | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 54.365 | KL/A | Authorised recycler |
| 5.2 Wastes or residues containing oil | 54.365 | KL/A | Authorised recycler |
| 35.3 Chemical sludge from waste water treatment | 54.365 | KL/A | Authorised recycler |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OB | 10537077 | M3/Anum | Backfilling in mine |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Pollution control measures | 200 | 3.33 | nil | 44748 | 93.78 | 0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EMP EXPENDITURE | AIR AND WATER POLLUTION CONTROL MEASURES | 93.78 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Works for Air & Water Quality improvement | Capital Works | 65.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Providing Wind Barrier (300 mtrs & 10 mtr height), CAAQMS, MODULAR STP, FIXED SPRINKLERS AT RAILWAY SIDING

### Name & Designation

B.K. Gupta, Dy.G.M. (min)/ Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025149

***Submitted Date***
25-08-2020

### *Company Information*

***Company Name***
YEKONA II OC

***Application UAN number***
-

***Address***
YEKONA, PANZURNI

***Plot no***
93, 94 etc.

***Taluka***
WARORA

***Village***
Yekona

***Capital Investment (In lakhs)***
4805.00

***Scale***
LSI

***City***
WARORA

***Pincode***
442907

***Person Name***
SANJAY SHUKLA

***Designation***
Sub Area Manager

***Telephone Number***
8275967181

***Fax Number***
07175285088

***Email***
yekonaoc@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/EIC no. CH-1781-15/O/CC-6269

***Consent Issue Date***
12.05.2016

***Consent Valid Upto***
31.08.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 600000 | 350000 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 54 | 292.44 |
| *Cooling* | - | - |
| *Domestic* | 100 | 10 |
| *All others* | - | - |
| *Total* | 154 | 302.44 |

### *1) Effluent Generation in CMD / MLD*

| *Particulars* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|

| | | | |
|---|---|---|---|
| daily sewage effluent | 70 | 5 | CMD |
| daily trade effluent (Mine Discharge) | 4835 | 2542.56 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL | 0.3863 | 0.0297 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE | 0.035 | 0.000389 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | NA | 1086 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER WATER QUALITY REPORT | -- | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK (NA) | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0.234105 | 1.50 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | NIL | NIL | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 1246083 | 1615855 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

***1) Hazardous Waste***

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 1.5 | KL/A | - |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 1615855 | M3/Anum | - |
| TOP SOIL | 39367 | M3/Anum | - |

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures | NA | NA | NA | NA | 25.00 | - |

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

***[A] Investment made during the period of Environmental Statement***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL EXPENDITURE | FIXED SPRINKLERS | 25.00 |
| REVENUE EXPENDITURE | RWH, SED. TANK, ENVIRONMENTAL MONITORING & STATUTORY FEES | 9.65 |

***[B] Investment Proposed for next Year***

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | ETP, SPRINKLERS etc | 70.00 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

evnironmental protection and abatement of pollution

***Name & Designation***

S. P. AHMED, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025150

***Submitted Date***
25-08-2020

### *Company Information*

***Company Name***
Yekona I Opencast Coal mine Project

***Application UAN number***
MPCB-CONSENT-0000067296

***Address***
Yekona Opencast Coal Mine Project, Village: Yekona, Po: Warora, Th: Warora, District: Chandrapur

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| 89-92 | Warora | MAJRI AREA |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 5633.66 | L.S.I | Chandrapur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| | Sanjay Shukla | Sub Area Manager |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 8275967138 | 07175285088 | yekonaoc@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| no | MPCB-CONSENT-0000067296 | 31.01.2020 |

***Consent Valid Upto***
31.03.2020

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 400000 | 0 | Ton/Y |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | Ton/Y |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 100 | 0 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 68 | 0 |
| ***All others*** | 4050 | 0 |
| ***Total*** | 4218 | 0 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine Discharge | 4050 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0 PRODUCTION | 0 PRODUCTION | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0 PRODUCTION | 0 PRODUCTION | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 0 PRODUCTION | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER WATER QUALITY REPORT | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 2.2 Sludge containing oil | 0 PRODUCTION | 0 PRODUCTION | Ton/Y |
| 5.1 Used or spent oil | 0 PRODUCTION | 0 PRODUCTION | KL/A |
| 5.2 Wastes or residues containing oil | 0 PRODUCTION | 0 PRODUCTION | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 2.2 Sludge containing oil | 0 PRODUCTION | 0 PRODUCTION | Ton/Y |
| 5.1 Used or spent oil | 0 PRODUCTION | 0 PRODUCTION | Kg/Annum |
| 5.2 Wastes or residues containing oil | 0 PRODUCTION | 0 PRODUCTION | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 0 PRODUCTION | 0 PRODUCTION | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 2.2 Sludge containing oil | 0 PRODUCTION | 0 PRODUCTION | Ton/Y |
| 5.1 Used or spent oil | 0 PRODUCTION | 0 PRODUCTION | KL/A |
| 5.2 Wastes or residues containing oil | 0 PRODUCTION | 0 PRODUCTION | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 2.2 Sludge containing oil | 0 PRODUCTION | Ton/Y | - |
| 5.1 Used or spent oil | 0 PRODUCTION | KL/A | - |
| 5.2 Wastes or residues containing oil | 0 PRODUCTION | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 0 PRODUCTION | M3/Anum | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of Pollution control measures | 0 PRODUCTION | 0 PRODUCTION | 0 PRODUCTION | 0 PRODUCTION | 25 lakhs | 0 PRODUCTION |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL | Fixed sprinklers | 25.00 |
| REVENUE EXPENDITURE | Statutory fees, Environment monitoring | 3.90 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| SPRINKLERS, SEDIMENTATION TANK | SPRINKLING THROUGH MOBILE TANKERS | 70 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

ENVIRONMENT PROTECTION BY SOIL MANAGEMENT

### Name & Designation

S.P. AHMAD, SUB AREA MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025128

***Submitted Date***
25-08-2020

### *Company Information*

***Company Name***
M/s WESTERN COALFIELDS LIMITED NAVIN KUNADA OCP

***Application UAN number***
MPCB-CONSENT-0000028004

***Address***
Navin Kunada Opencast Coal Mine Expansion project, CHARGAON SUB AREA, AT-NAVIN KUNADA PO.-KONDA(VIA) SHIVJINAGAR, TA.-BHADRAWATI

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| 10 | Bhadrawati | CHANDRAPUR |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 826.38 | L.S.I | CHANDRAPUR |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 442503 | SHRI S.K.Bairwa | SENIOR MANAGER (MINING) |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 07175230117 | 07175285088 | envmajri@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | BO/JD(APC)/TB-2UAN No.28004/R/CC-1902000495 | 12.02.2019 |

***Consent Valid Upto***
31.03.2020

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 0 | 0 | Ton/Y |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| - | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 100 | 0 |
| ***Cooling*** | - | - |
| ***Domestic*** | 50 | 0 |
| ***All others*** | - | - |

| | | |
|---|---|---|
| **Total** | 150 | 0 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 100 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL (CUBIC METER/MILLION TONNE) | 0 | 0 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| POL (KL/TONNE) | 0 | 0 | |
| EXPLOSIVES (KG/TONNE) | 0 | 0 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| DIESEL | - | 0 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER THE WATER QUALITY REPORT ATTACHED IN PART-I | nil | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0 | KL/A |
| 0 | - | - | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 0 | 0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| OVERBURDEN | 0 | 0 | CMD |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | -- | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | KL/A | - |
| 35.3 Chemical sludge from waste water treatment | 0 | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 0 | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | Mine closed | 0 | Mine closed | 0 | 0 | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL AND REVENUE INVESTMENT | ENVIRONMENTAL EXPENDITURE | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | CAPITAL INVESTMENT PROPOSED | 0 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

MINE IS CLOSED AS THE RESERVES OF THE MINE ARE EXHAUSTED

### Name & Designation

SHRI S.K.Bairwa, SR. MANAGER (MINING)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025129

***Submitted Date***
25-08-2020

### *Company Information*

***Company Name***
M/S WESTERN COALFIELDS LTD. JUNA KUNADA OC MINE

***Application UAN number***
MPCB-CONSENT-0000001178

***Address***
JUNA KUNADA OC COAL MINE PROJECT, CHARGAON SUB AREA, PO.- KONDA(VIA), SHIVJINAGAR, TA.- BHADRAWATI, DISTRICT: CHANDRAPUR, MAHARASHTRA

***Plot no***
-

***Taluka***
BHADRAWATI

***Village***
SHIVJINAGAR

***Capital Investment (In lakhs)***
1130.93

***Scale***
L.S.I

***City***
CHANDRAPUR

***Pincode***
442503

***Person Name***
SHRI S.K. BHAIRVA

***Designation***
SUB AREA MANAGER

***Telephone Number***
07175230117

***Fax Number***
07175285088

***Email***
envmajri@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/UAN No.1178/R/CC-647

***Consent Issue Date***
14.03.2017

***Consent Valid Upto***
31.03.2019

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 0 | 0 | Ton/Y |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 8456 | 0 |
| *Cooling* | - | - |
| *Domestic* | 50 | 0 |
| *All others* | - | - |
| *Total* | 8506 | 0 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 8449 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL (CUBIC METER/TONNE) | 0 PRODUCTION | 0 PRODUCTION | Ton/Ton |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| POL (KL/Ton) | 0 | 0 | |
| EXPLOSIVES (KG/TONNE) | 0 PRODUCTION | 0 PRODUCTION | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| DIESEL | - | 0 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER THE AIR & WATER QUALITY REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| no stack monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0 | Ltr/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 0 | 0 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | Ltr/A | - |
| 35.3 Chemical sludge from waste water treatment | 0 | CMD | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 0 | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 0 | MINE CLOSED | 0 | 0 | NA | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | ENVIRONEMNT EXPENDITURE | 0 |
| REVENUE INVESTMENT | ENVIRONEMNT EXPENDITURE | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | CAPITAL INVESTMENT PROPOSED | 0 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

MINE IS DISCONTINUED SINCE 15.05.2018 AND THERE IS NO MINING ACTIVITY

### Name & Designation

SHRI S.K. Bhairva, SUB AREA MANAGER

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025131

***Submitted Date***
25-08-2020

### *Company Information*

***Company Name***
Western Coalfields Limited - Telwasa OC Mine

***Application UAN number***
-

***Address***
Telwasa Open Cast Coal Mine Telwasa OC Sub Area At - Telwasa, Po.+ Ta.-Bhadrawati, Dist.-Chandrapur 442 503 (M.S.)

***Plot no***
-

***Taluka***
Bhadrawati

***Village***
Telwasa

***Capital Investment (In lakhs)***
1651.9

***Scale***
LSI

***City***
Bhadrawati

***Pincode***
442503

***Person Name***
S.K. Bhairva

***Designation***
Sub Area Manager

***Telephone Number***
07175240224

***Fax Number***
07175285088

***Email***
telwasaoc@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Approved vide 4th CAC Meeting dated 23.08.2017

***Consent Issue Date***
23.08.2017

***Consent Valid Upto***
31.03.19

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 1000000 | 0 | Ton/Y |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 295 | 0 |
| ***Cooling*** | - | - |
| ***Domestic*** | 317 | 0 |
| ***All others*** | - | - |
| ***Total*** | 612 | 0 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| TRADE EFFLUENT | 8077 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL (CUBIC METER/TONNE) | 0.3826 | 0 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives (Kg/T) | 0.5634 | 0 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| DIESEL | - | 0 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER THE WATER QUALITY REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 2.29937 | 0 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 8.92 | 0 | Ton/Y |
| 5.2 Wastes or residues containing oil | 1.91 | 0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 206160 | 0 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | KL/A | - |
| 5.2 Wastes or residues containing oil | 0 | Ton/Y | - |
| 35.3 Chemical sludge from waste water treatment | 0 | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 0 | M3/Anum | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 0 | MINE CLOSED | MINE CLOSED | NA | MINE CLOSED | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| REVENUE INVESTMENT | ENVIRONMENT EXPENDITURE | 11.2 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | CAPITAL INVESTMENT PROPOSED | 0 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

MINE DISCONTINUED SINCE 04.08.2018 AND THERE IS NO MINING ACTIVITY

### Name & Designation

S.K. Bhairva, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025132

***Submitted Date***
25-08-2020

### *Company Information*

***Company Name***
M/S WESTERN COALFIELDS LTD. DHORWASA OC MINE

***Application UAN number***
-

***Address***
Dhorwasa OC Mine, TELWASA SUB AREA AT - TELWASA

***Plot no***
-

***Taluka***
BHADRAWATI

***Village***
CHANDRAPUR

***Capital Investment (In lakhs)***
303.49

***Scale***
L.S.I

***City***
CHANDRAPUR

***Pincode***
442503

***Person Name***
SHRI S.K. BHAIRVA

***Designation***
SUB AREA MANAGER

***Telephone Number***
07175240224

***Fax Number***
07175285088

***Email***
dhorwasaoc@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/TB-2UAN No. 28553/R/CC-1902000496

***Consent Issue Date***
12.02.2019

***Consent Valid Upto***
31.03.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 0 | 0 | Ton/Y |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 100 | 0 |
| *Cooling* | - | - |
| *Domestic* | 50 | 0 |
| *All others* | - | - |
| *Total* | 150 | 0 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| TRADE EFFLUENT | 100 | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| COAL (CUBIC METER/TONNE) | 0 PRODUCTION | 0 PRODUCTION | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| POL (KL/TONNE) | 0 | 0 PRODUCTION | |
| EXLOSIVES (KG/TONNE) | 0 | 0 PRODUCTION | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| DIESEL | - | - | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER THE WATER QUALITY REPORT ATTACHED IN PART I | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | - | - | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 0 | 0 | CMD |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | - | KL/A | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 0 PRODUCTION | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | - | MINE CLOSED | - | - | MINE CLOSED | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL AND REVENUE INVESTMENT | ENVIRONMENTAL EXPENDITURE | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| CAPITAL INVESTMENT | CAPITAL INVESTMENT PROPOSED | 0 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

MINE DISCONTINUED SINCE 17.12.2015 AND THERE IS NO MINING ACTIVITY

### Name & Designation

SRI S.K. Bhairva, Sub Area Manager

# UMRER AREA

# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000028350

***Submitted Date***
28-09-2020

### *Company Information*

***Company Name***
M/s. Western Coalfields Limited, Dinesh Opencast Mine

***Application UAN number***
MPCB-CONSENT-0000062939

***Address***
Makardhokra Sub Area Manager, WCL, Umrer Area, Hevati, Tal: Umred, Dist: Nagpur

***Plot no***
Toposheet no. 55 P/5 of Survey of India

***Taluka***
Umred

***Village***
Hevati

***Capital Investment (In lakhs)***
49719.00

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441204

***Person Name***
D. K. Gupta

***Designation***
Sub Area Manager

***Telephone Number***
8275971325

***Fax Number***
07116247374

***Email***
sammkd3umrer@gmail.com

***Region***
SRO-Nagpur II

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format 1.0/CAC/UAN No.0000062939/CO-2002001040

***Consent Issue Date***
25/02/2020

***Consent Valid Upto***
31/03/2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 4.20 | 4.13 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 650 | 650 |
| *Cooling* | - | - |
| *Domestic* | 61.2 | 61.2 |
| *All others* | - | - |
| *Total* | 711.2 | 711.2 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine Discharge | 2850 | 2850 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic meter/ tonne) | 0.073 | 0.057 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive (Kg/ tonne) | 2.02 | 1.68 | CMD |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| --NA-- | 0 | 0 | CMD |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report Enclosed | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 3.29 | 3.01 | KL/A |
| 35.3 Chemical sludge from waste water treatment | 13.14 | 13.02 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over Burden | 16402702 | 15462924 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 3.01 | KL/A | Sold to authorized recycler |
| 35.3 Chemical sludge from waste water treatment | 13.02 | Ton/Y | Disposed by MEPL, Butibori |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 15462924 | M3/Anum | OB Dumps |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | Environmental Protection Measures | Nil |
| Revenue Expenditure | Plantation, Dust suppression and Monitoring | 27.65 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Proposed Capital Budget | Dust suppression and monitoring | 79.00 |
| Proposed Revenue Budget | Plantation, Dust suppression and Monitoring | 20.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

D. K. Gupta, Dy. GM (Min)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000028293

***Submitted Date***
28-09-2020

### *Company Information*

***Company Name***
Western Coal Fields Ltd, Gokul Opencast Mine

***Application UAN number***
MPCB-CONSENT-0000043038

***Address***
Gokul Opencast Mine, 40 A, Piraya, Tal: Bhiwapur, Dist: Nagpur

***Plot no***
-

***Taluka***
Bhiwapur

***Village***
Piraya

***Capital Investment (In lakhs)***
24893

***Scale***
LSI

***City***
NAGPUR

***Pincode***
441201

***Person Name***
A. M. Lakhe

***Designation***
Sub Area Manager

***Telephone Number***
07170230101

***Fax Number***
07116247374

***Email***
samgokuloc@gmail.com

***Region***
SRO-Nagpur II

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
FORMAT 1.0/BO/CAC-Cell/CAC-UAN No.43038/CAC-1901000314

***Consent Issue Date***
05/01/19

***Consent Valid Upto***
31/08/21

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 1.875 | 1.875 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 440 | 440 |
| ***Cooling*** | - | - |
| ***Domestic*** | 93 | 93 |
| ***All others*** | - | - |
| ***Total*** | 533 | 533 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine Discharge | 4007 | 4007 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic meter/ tonne) | 0.086 | 0.086 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive (Kg/ tonne) | 5.27 | 4.65 | CMD |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| - | - | - | CMD |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report Enclosed | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Not Applicable | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 6.20 | 6.05 | KL/A |
| 35.3 Chemical sludge from waste water treatment | 16.23 | 15.47 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over Burden | 18000046 | 15028997 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 6.05 | KL/A | Sold to authorized recycler |
| 35.3 Chemical sludge from waste water treatment | 15.47 | Ton/Y | Disposed by MEPL, Butibori |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 15028997 | M3/Anum | OB dump site |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | Environmental Protection Measures | Nil |
| Revenue Expenditure | Plantation, Dust Suppression and Monitoring | 35.27 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Proposed Capital Budget | Environmental Protection Measures | 5 |
| Proposed Revenue Budget | Plantation, Dust Suppression and Monitoring | 20 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

A.M. Lakhe, Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027828

***Submitted Date***
26-09-2020

### *Company Information*

***Company Name***
M/s. Western Coalfields Limited, Makardhokda-I Opencast Mine

***Application UAN number***
MPCB-CONSENT-0000024388

***Address***
Sub Area Manager, MKD-I OC Mine, Location: Near Shirpur village, Revenue survey No. 22, Topo Sheet No. 55-P/1 & 55-P/5, P.O: Umrer Project, Tehsil: Umred, Distt: Nagpur, Pin 441204, Maharashtra.

***Plot no***
-

***Taluka***
Umred

***Village***
Shirpur

***Capital Investment (In lakhs)***
9904.66

***Scale***
LSI

***City***
Nagpur

***Pincode***
441204

***Person Name***
Rajeev Singh

***Designation***
Sub Area Manager

***Telephone Number***
07116247395

***Fax Number***
07116247374

***Email***
sammkdumrer@gmail.com

***Region***
SRO-Nagpur II

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format 1.0/BO/CAC-CELL/CAC-UAN No.24388/CC-1901000356

***Consent Issue Date***
05/01/19

***Consent Valid Upto***
31/03/21

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 2.0 | 1.99 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 470 | 470 |
| ***Cooling*** | - | - |
| ***Domestic*** | 10 | 10 |
| ***All others*** | - | - |

| | | |
|---|---|---|
| **Total** | 480 | 480 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine discharge | 2268 | 2268 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic meter/tonne) | 0.086 | 0.086 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive (Kg/tonne) | 1.072 | 2.75 | CMD |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| - | - | - | CMD |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report enclosed | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 11.32 | 11.26 | KL/A |
| 35.3 Chemical sludge from waste water treatment | 512.0 | 504.0 | Kg/Annum |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over Burden | 6827204 | 11554329 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 11.26 | KL/A | Sold to authorized recycler |
| 35.3 Chemical sludge from waste water treatment | 504.0 | Kg/Annum | Disposed by MEPL, Butibori |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 11554329 | M3/Anum | OB dump |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | Environmental Protection Measures | Nil |
| Revenue Expenditure | Plantation, Dust Suppression and Monitoring | 22.94 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Proposed Capital Budget | Environmental Protection Measures | 29 |
| Proposed Revenue budget | Plantation, Dust Suppression and Monitoring | 30 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Rajeev Singh, Sub Area Manager(Umrer Sub Area)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000028175

***Submitted Date***
28-09-2020

### *Company Information*

***Company Name***
M/s Western Coal Fields Ltd., Murpar Underground Mine Project

***Application UAN number***
MPCB-CONSENT-0000082233

***Address***
Sub Area Manager,Murpar UG Mine,WCL Umrer Area, Post:Khadasangi, Tehsil: Chimur, Dist. Chandrapur, Maharashtra

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | Chimur | Khadasangi |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 2746.00 | LSI | Chimur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 442908 | A. M. Lakhe | Sub Area Manager |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 071702301014 | 07116247374 | sammurparug@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | BO/JD(APC)/TB-2UAN No.82233/R/CC-791 | 24.08.2020 |

***Consent Valid Upto***
31.12.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 0.27 | 0.0468 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 50 | 50 |
| ***Cooling*** | - | - |
| ***Domestic*** | 130 | 130 |
| ***All others*** | - | - |
| ***Total*** | 180 | 180 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine Discharge | 2810 | 2810 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic meter/tonne) | 1.956 | 0.39 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive(Kg/tonne) | 0 | 0.55 | CMD |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| NA | - | - | CMD |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report Enclosed | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Not Applicable | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | CMD | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | - | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

A. M. Lakhe, Sub Area Manager (Murpar Sub Area)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027811

***Submitted Date***
26-09-2020

### *Company Information*

***Company Name***
M/s. Western Coalfields Limited, Umrer Opencast Mine

***Application UAN number***
MPCB-CONSENT-0000077525

***Address***
Sub Area Manager, Umrer OC Mine, Near village WayagaonGhoturli, P.O. Umrer Project, Tehsil: Umred, Dist. Nagpur, Pin 441204, Maharashtra.

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | Umred | Shirpur |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 32534.00 | LSI | Nagpur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 441204 | Rajeev Singh | Sub Area Manager |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 07116247395 | 07116247374 | samumreroc@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Nagpur II | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | Format 1.0/BO/CAC-Cell/CAC-UAN no.65263/CAC-1910000121 | 03/10/2019 |

***Consent Valid Upto***
31/03/2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 4.90 | 4.85 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 600 | 600 |
| ***Cooling*** | - | - |
| ***Domestic*** | 726 | 726 |
| ***All others*** | - | - |

| | | |
|---|---|---|
| **Total** | 1326 | 1326 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine Discharge | 2650 | 2650 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal(Cubic meter/Tone) | 0.044 | 0.045 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive(Kg/Tonne) | 0.394 | 0.484 | CMD |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| - | - | - | CMD |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Report Enclosed | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Not Applicable | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 1.9 | 1.82 | KL/A |
| 35.3 Chemical sludge from waste water treatment | 28.68 | 27.76 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Overburden | 4799313 | 4849433 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 1.82 | KL/A | Sold to authorized recycler |
| 35.3 Chemical sludge from waste water treatment | 27.76 | Ton/Y | Disposed at CHWTSDF |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 4849433 | M3/Anum | Onsite OB dump (Back filling) |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | Environmental Works | Nil |
| Revenue Expenditure | Plantation and Dust suppression | 63.20 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Proposed Capital Budget | Environmental works | 2 |
| Proposed Revenue Budget | Plantation and Dust suppression | 20 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Rajeev Singh, Sub Area Manager(Umrer Sub Area)

# WANI AREA

# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025536

***Submitted Date***
07-09-2020

### *Company Information*

***Company Name***
Bellora Naigaon Open Cast Mine

***Application UAN number***
0000044071

***Address***
WCL Wani Area Road, PO : Bellora

***Plot no***
-

***Taluka***
Wani

***Village***
-

***Capital Investment (In lakhs)***
12216.55788

***Scale***
LSI

***City***
Yavatmal

***Pincode***
445304

***Person Name***
Sh. Dinesh Tripathi

***Designation***
SUB AREA MANAGER

***Telephone Number***
7774092502

***Fax Number***
07722067696

***Email***
waniarea.environdept@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format1.0/ CAC/ UAN No. 0000044071/CR-2007001683 dtd. 29/07/2020 valid till 31/03/2021

***Consent Issue Date***
29.07.2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 1.25 | 0 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Overburden | - | 885082 | |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | - | - |
| *Cooling* | - | - |
| *Domestic* | 15 | 15 |
| *All others* | 350 | 350 |
| *Total* | 365 | 365 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade effluent | 4515 | 500 | CMD |
| Domestic effluent | 12 | 12 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | NIL | NIL | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 0 | 304480 | Kg/Annum |
| Diesel | 4750 | 91287 | Ltr/A |
| Oil and Grease | 0 | 6502 | Ltr/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | NIL | 91287 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Mine water | No coal was produced in FY 19-20. Sedimentation tank is provided for treatment of mine water | Water analysis report attached at Part I | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0 | 0.867 | KL/A |
| 5.2 Wastes or residues containing oil | 0 | 0 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 0 | 0 | Ton/Y |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over burden | 0 | 885082 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NIL | NIL | NIL | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 0.86 KL/A | KL/A | Stock of 35.50 KL/A is properly stored in barrels |
| 5.2 Wastes or residues containing oil | 0 | Ton/Y | 3.0 T/A stock is stored in RCC tank |
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 0 | KL/A | 15.0 T/A stock is stored in RCC tank |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 0 | M3/Anum | No coal production in FY 2019-20 |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Conservation of natural resources | 0 | Diesel consumption increased by 0.24KL/day | Lubricant consumption increased by 6502 kg | Power increased by 1276909 KWH/yr | Decreased by 1496.53 Lakhs | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| NIL | NIL | NIL |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Truck mounted mist spray system | Control of Air pollution | 50 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Environmental protection and abatement of pollution

***Name & Designation***

Mr. D.K. Tripathi , SUB AREA MANAGER, Niljai

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025566

***Submitted Date***
07-09-2020

### *Company Information*

***Company Name***
Ghugus Opencast Mine, Western Coalfields Limited

***Application UAN number***
MPCB-CONSENT-0000022317

***Address***
M/s Western Coalfields Ltd., Ghugus Sub Area, P.O Ghugus

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | Ghugus | Ghugus |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 13698.16889 | L.S.I | Chandrapur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 442505 | Sh. S. K Pisharodi | Ghugus Sub Area |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 9421880476 | 07172275740 | samghugus@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | Format CAC UAN No. 0000022317/CR-2006001038 dtd. 24/06/2020 valid till 31.03.2022 | 24/06/2020 |

***Consent Valid Upto***
31.03.2022

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 1.90 MTPA | 0 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Over Burden | - | 0 | |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | - | - |
| ***Cooling*** | - | - |
| ***Domestic*** | 3000 | 3000 |
| ***All others*** | 700 | 700 |
| ***Total*** | 3700 | 3700 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent | 700 | 700 | CMD |
| Domestic | 2400 | 2400 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | NA | NA | Kg/Annum |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 0 | 0 | Kg/Annum |
| Diesel | 179160 | 0 | Ltr/A |
| Oil and Grease | 21826 | 0 | Ltr/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 0 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Mine water | 0.0 | 0.0 | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0 | 0 | Ltr/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0 | 0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over burden | 0 | 0 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 0 | Ton/Y | NIL |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 0 | M3/Anum | NIL |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Conservation of natural resources | 0.0 | 0.00 diesel used | 0.00 lubricant used | 0 industrial power consumption | Decreased by 3581.62757 lakhs | NIL |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Installation of Raingun at Ghugus Old Railway Siding | Dust Suppression | 30 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Installation of Raingun at Ghugus New Railway Siding | Dust Suppression | 30 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Environment protection and abatement of pollution

### Name & Designation

Mr. S K Pisharodi , Sub Area Manager Ghugus

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025474

***Submitted Date***
05-09-2020

### *Company Information*

***Company Name***
Kolgaon Open Cast Mine, Western Coalfields Limited

***Application UAN number***
-

***Address***
Office of Project Officer, Kolgaon OC Project

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | Wani | Kolgaon |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 6145.26313 | LSI | Yavatmal |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 445307 | Sh. S.G. Wairagade | Sub Area Manager, Kolgaon |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 7774074680 | 07239235104 | sammungoli@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |

| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
|---|---|---|
| yes | BO/JD/(APC)/EIC no. CH-1485-13/O/CC-92-9238. Application for renewal of Consent upto 31.03.2021 submitted and granted in CC minutes | 04.10.2014 |

***Consent Valid Upto***
31.12.2020

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 0.6 | 0.000040 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Over Burden | NIL | 774267 | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | - | - |
| ***Cooling*** | - | - |
| ***Domestic*** | 32 | 32 |
| ***All others*** | 1758 | 1758 |
| ***Total*** | 1790 | 1790 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade effluent - Domestic | 0 | 26 | CMD |
| Mine water | 0 | 2400 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | NIL | NIL | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 259087 | 196081 | Kg/Annum |
| Diesel | 0 | 1974 | Ltr/A |
| Oil and Grease | 420 | 210 | Ltr/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | NIL | 1974 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Mine water | 642 cum mine water is treated in sedimentation tank and discharged to local nallah | Water analysis report attached at Part I | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | NA | NA | - | - | -- |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0.0 | 0.0 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0.0 | 0.0 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Over burden | 1625020 | 774267 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NIL | NIL | NIL | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | 0 | CMD | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | 774267 | CMD | OB is stacked at earmarked site and proper benching & slope angle is maintained |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Conservation of Natural Resources | 0.0 | Diesel used is 1974 lit/d compared to 0 for last year | Explosive decreased by 63006 Kg/A | Power consumption decreased by 737867 KWH/yr | Decreased by 4.83 lakhs | 0.0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| NIL | NIL | NIL |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| NIL | NIL | NIL |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Environmental protection and abatement of pollution

### Name & Designation

S. G Wairagade, Sub Area Manager, Mungoli

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025419

***Submitted Date***
04-09-2020

### *Company Information*

***Company Name***
Mungoli Nirguda Extension Deep OC, Western Coalfields Limited

***Application UAN number***
MPCB-CONSENT-0000088073

***Address***
Mungoli Nirguda Extension Deep Open Cast Project, Sakhara

***Plot no***
-

***Taluka***
Wani

***Village***
Sakhara

***Capital Investment (In lakhs)***
41516.42926

***Scale***
L.S.I

***City***
Yavatmal

***Pincode***
445307

***Person Name***
S.G. Wairagade

***Designation***
Sub Area Manager, Mungoli

***Telephone Number***
7774074680

***Fax Number***
07239235104

***Email***
sammungoli@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format 1.0/CC/ UAN No. 0000088073/CO-2005000512 dtd. 20/05/2020 valid till 31/03/2021

***Consent Issue Date***
20/05/2020

***Consent Valid Upto***
31/03/2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 4.375 | 4.116 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Over burden | 19275000 | 9790295 | |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | - | - |
| *Cooling* | - | - |
| *Domestic* | 356 | 356 |
| *All others* | 1330 | 1330 |

| | | |
|---|---|---|
| **Total** | 1686 | 1686 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade effluent | 15050 | 15050 | CMD |
| Domestic effluent | 282 | 282 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | NIL | NIL | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 3527321 | 3877160 | Kg/Annum |
| Diesel | 5964183 | 6309376 | Ltr/A |
| Oil and Grease | 267288 | 279913 | Ltr/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | NIL | 6309376 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Mine water | 16380 CMD mine water is pumped, out of which 1330 CMD is utilised for Dust suppression and firefighting. Remaining 15050 CMD is treated and discharged into local stream | Water analysis report attached at part 1 | - | -- | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONTORING | NA | NA | - | - | -- |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 29.704 | 32.97 | KL/A |
| 5.2 Wastes or residues containing oil | 10 | 10 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 12 | 12 | Ton/Y |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over burden | 7257764 | 9790295 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NIL | NIL | NIL | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

#### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 32.97 | KL/A | 51.45 KL stock including this year generation didnt get lifted due to COVID- 19. Burnt oil is properly stacked and stored in Barrels. |
| 5.2 Wastes or residues containing oil | 10 | Ton/Y | 1.68 Tonnes was disposed off to CHWTSDF, Butibori |
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 12 | Ton/Y | 6.40 Tonnes was disposed off to CHWTSDF, Butibori |

#### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 7257764 | M3/Anum | Overburden is properly stacked at earmarked sites by maintaining proper benching and slope angle. |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Conservation of Natural resource | 0.0 | Diesel increased by 0.95 KL/day | Explosive increased by 349839 Kg/A | Industrial power increased by 1296964 KWH | Increased by 12861.26 lakhs | 0.0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

#### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Installation of CAAQMS | Air Quality monitoring | 50 |

| | | |
|---|---|---|
| Additional structure for Continuous ambient air quality monitoring system(CAAQMS) | Air Quality monitoring | 13 |

***[B] Investment Proposed for next Year***

| ***Detail of measures for Environmental Protection*** | ***Environmental Protection Measures*** | ***Capital Investment (Lacks)*** |
|---|---|---|
| Installation of water meter | Water Quantity Monitoring | 4 |
| Truck mounted mist spray system | Dust suppression | 50 |

***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

Environmental Protection and Abatement of pollution

***Name & Designation***

Sh. S.G. Wairagade

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025453

***Submitted Date***
04-09-2020

### *Company Information*

***Company Name***
Niljai Expansion (Deep) OC, Western Coalfields Limited

***Application UAN number***
MPCB-CONSENT-0000090513

***Address***
Post : Bellora, Tah : Wani, Dist : Yavatmal, (MS)

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | Wani | Bellora |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 38629.17329 | L.S.I | Yavatmal |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 445304 | Sh. Dinesh Tripathi | Sub Area Manager, Niljai Sub Area |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 7775740817 | 07239232338 | waniarea@rediffmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | Format CAC UAN No. 0000090513/CO-2005000269 dtd. 08/05/2020 valid till 31.03.2021 | 08/05/2020 |

***Consent Valid Upto***
31.03.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 4.5 | 3.926 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Over Burden | 39774444 | 20899839 | |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | - | - |
| ***Cooling*** | - | - |
| ***Domestic*** | 330 | 330 |
| ***All others*** | 2786 | 2786 |
| ***Total*** | 3116 | 3116 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade effluent | 5764 | 5764 | CMD |
| Domestic Effluent | 264 | 264 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | NIL | NIL | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 5969514 | 9291507 | Kg/Annum |
| Diesel | 6769471 | 5047967 | Ltr/A |
| Oil and Grease | 316648 | 247704 | Ltr/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | NIL | 5047967 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Mine water | 8550 CMD mine water is pumped, out of which 2786 CMD is utilised for Dust suppression and firefighting. Remaining 5764 CMD is treated and discharged into local stream | Water analysis report attached at Part I | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO AIR STACK MONITORING | - | -- | - | -- | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 54.332 | 32.826 | KL/A |
| 5.2 Wastes or residues containing oil | 10 | 10 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 28 | 30 | Ton/Y |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over burden | 13915282 | 20899839 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NIL | NIL | NIL | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 32.97 | KL/A | 51.45 KL stock including this year generation didnt got lifted due to COVID - 19 condition |
| 5.2 Wastes or residues containing oil | 10 | Ton/Y | 1.68 Tonnes stock was disposed off to CHWTSDF, Butibori |
| 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers | 28 | Ton/Y | 6.40 Tonnes stock was disposed off to CHWTSDF, Butibori |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 20899839 | M3/Anum | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Conservation of Natural resource | 0 | Diesel consumption decreased by 4.72 KL/day | Explosive increased by 3321993 Kg/A | Power consumption reduced by 1630227 KWH/A | Capital invst. decreased by 1362.81 lakhs | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Rain water harvesting at subarea office, Niljai | Water Conservation | 5 |

### [B] Investment Proposed for next Year

| *Detail of measures for Environmental Protection* | *Environmental Protection Measures* | *Capital Investment (Lacks)* |
|---|---|---|
| Dust Suppression arrangement by Mist Sprinkling arrangement at CHP | Dust Suppression | 18 |
| Installation of water meter | Water Quantity Monitoring | 2 |
| Continuous ambient air quality monitoring system | Air quality monitoring | 50 |

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***Any other particulars in respect of environmental protection and abatement of pollution.***

***Particulars***

Environmental protection and abatement of pollution

***Name & Designation***

Mr. D.K. Tripathi , Sub Area Manager, Niljai

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000025411

***Submitted Date***
04-09-2020

### *Company Information*

***Company Name***
Penganga Expansion Opencast Mine, Western Coalfields Ltd

***Application UAN number***
MPCB-CONSENT-0000063749

***Address***
Office of Project Officer, Penganga OC Project

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | Korpana | Wirur- Gadegaon |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 32998.69689 | LSI | CHANDRAPUR |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 441804 | Shri Ajay Singh | Sub Area Manager, Penganga Project |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 9422171905 | - | sampenganga@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | BO/CAC CELL/UAN No. 63699 and 63749/ CAC-1902001161 dtd. 25/02/2019 valid till 31/03/2022 | 25.02.2019 |

***Consent Valid Upto***
31.03.2022

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 6.3 | 6.3 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| OVER BURDEN | NA | 12785452 | |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | - | - |
| ***Cooling*** | - | - |
| ***Domestic*** | 40 | 40 |
| ***All others*** | 1430 | 1430 |
| ***Total*** | 1470 | 1470 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent | 1430 | 1430 | CMD |
| Domestic | 28 | 28 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | - | - | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 4765898 | 5423351 | Kg/Annum |
| Diesel | 2921817 | 2747150 | Ltr/A |
| Oil and Grease | 136968 | 145411 | Ltr/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | NIL | 2747150 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Mine Water | 1430 | Water analysis report attached at part 1 | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| No Air Stack Monitoring | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 26.90 | 26.60 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | NIL | NIL | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Over Burden | 12722346 | 12785452 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NIL | NIL | NIL | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | NIL | NIL | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 26.60 | KL/A | Hazardous waste is stored in RCC tanks |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Over Burden | 12785452 | M3/Anum | Over burden dumps are stacked at earmarked sites maintaining stable slope |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Conservation of Natural Resources | 0 | Diesel decreased by 0.48 KL/day | Explosives increased by 657453 Kg/A | Decreased by 72510 KWH/Yr | Increased by 3135.49 Lakhs | 0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Plantation of 15,000 Nos. saplings on plain land and embankment along with 5 year maintenance by M/s. Madhya Pradesh Rajya Van Vikas Nigam Limited | Plantation | 34.00 |
| Rainwater harvesting for Project Office and canteen | Conservation of Natural Resources | 5.00 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Construction of ETP | Waste Water Treatment | 38.00 |
| Installation of Water meter | Water Quantity Monitoring | 4.00 |
| Rainwater harvesting at Transit Hostel | Conservation of Natural Resources | 3.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Environmental Protection and Abatement of Pollution

### Name & Designation

Shri. Ajay Singh

# WANI NORTH AREA

# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000028886

***Submitted Date***
29-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited, Ghonsa Opencast Mine

***Application UAN number***
MPCB-CONSENT-0000028710

***Address***
Office of the Sub Area Manager, Ghonsa-Kumbharkhani, Po.- Rasa, Tal.- Wani, Distt. - Yavatmal, Maharashtra

***Plot no***
25/1,2,3

***Taluka***
Wani

***Village***
Wani North

***Capital Investment (In lakhs)***
6340.37

***Scale***
L.S.I

***City***
Yavatmal

***Pincode***
445304

***Person Name***
Dr Satyendra

***Designation***
Sub Area Manager, Ghonsa Sub Area

***Telephone Number***
8380092918

***Fax Number***
07239-241357

***Email***
samghonsa@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
MPCB-CONSENT-0000028710

***Consent Issue Date***
01.03.2018

***Consent Valid Upto***
31.03.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.60 | 0.60 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 370 | 370 |
| ***Cooling*** | - | - |
| ***Domestic*** | 24 | 12 |
| ***All others*** | 4590 | - |
| ***Total*** | 4984 | 382 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Daily Trade Effluent (including mine discharge) | 4220 | 4220 | CMD |

## 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.47 | 0.23 | CMD |

## 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive | 1.67 | 1.5 | Kg/Annum |

## 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 3101.220 | KL/A |

## Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Water quality monitoring reports have been attached | - | - | - | - | - |

### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

## HAZARDOUS WASTES

### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution control measures taken | - | - | - | 130698 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution control | Installation of rainguns | 9.50 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution control | Installation of rainguns | 15.00 |
| Air Pollution control | Covering of CHP crusher | 5.00 |
| Water Conservation | Providing rainwater harvesting system | 5.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Sub Area Manager, Ghonsa Sub Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027684

***Submitted Date***
25-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited, Junad Open Cast Mine

***Application UAN number***
-

***Address***
Office of the Sub Area Manager, Ukni-Junad Sub Area,
Po. - Ukni, Tal.- Wani, Distt. - Yavatmal

***Plot no***
118,114,115,116,117,123,124

***Taluka***
Wani

***Village***
Ukni

***Capital Investment (In lakhs)***
10476.71

***Scale***
L.S.I.

***City***
WANI

***Pincode***
445304

***Person Name***
Balmiki Prasad

***Designation***
Sub Area Manager, Ukni-Junad Sub Area

***Telephone Number***
8425863189

***Fax Number***
07239241357

***Email***
wclsamujsa@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/EICNo.CH-1678-14/O/CC-4319

***Consent Issue Date***
29.03.2016

***Consent Valid Upto***
30.11.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.6 | 0.47 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 3082 | 390 |
| ***Cooling*** | - | - |
| ***Domestic*** | 5 | 5 |
| ***All others*** | - | - |
| ***Total*** | 3087 | 395 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| TRADE EFFLUENT (Mine Discharge) | 2302 | 2250 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic Meter/Tonne) | 0.1825 | 0.302 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives (Kg/Tonne) | 3.15 | 2.98 | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| High Speed Diesel | - | 732.652 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 4.7 | 4.51 | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 4.51 | KL/A | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution control measures taken | - | 0.65 | 490678 | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution control | Installation of rain guns | 19.86 |
| Water pollution control | Sludge drying bed for ETP | 1.60 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution Control | Covering of CHP | 7.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Balmiki Prasad , Sub Area Manager, Ukni-Junad Sub Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000028864

***Submitted Date***
29-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited, Kolar Pimpri Open Cast Mine

***Application UAN number***
MPCB-CONSENT-0000040280

***Address***
Office of the Sub Area Manager, Kolar Pimpri-Pimpalgaon Sub Area, Po.- Ukni, Tal.- Wani, Distt. - Yavatmal, Maharashtra

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| 79 | Wani | Wani North |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 15955.80 | L.S.I | Yavatmal |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| | S B Prasad | Sub Area Manager, Kolar pimpri-Pimpalgaon Sub Area |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 7447434791 | 07239-241357 | wclsamkolarpimpri@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | MPCB-CONSENT-0000040280 | 22.07.2020 |
| ***Consent Valid Upto*** | | |
| 31.03.2021 | | |

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 1.5 | 0.78 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 590 | 590 |
| ***Cooling*** | - | - |
| ***Domestic*** | 130 | 18 |
| ***All others*** | 50 | 50 |
| ***Total*** | 770 | 658 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine discharge | 4148 | 3718 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.221 | 0.30 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 1.11 | 1.57 | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 159.608 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Water monitoring reports have been attached | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 0.6 | 0.4 | KL/A |
| 5.2 Wastes or residues containing oil | - | - | Ton/Y |
| 35.3 Chemical sludge from waste water treatment | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | - | - | KL/A |
| 5.2 Wastes or residues containing oil | - | - | Ton/Y |
| 35.3 Chemical sludge from waste water treatment | - | - | Ton/Y |

### SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | - | - | KL/A |
| 5.2 Wastes or residues containing oil | - | - | Ton/Y |
| 35.3 Chemical sludge from waste water treatment | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 0.4 | KL/A | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 278 | - | 223812 | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution control | Installation of rain guns | 18.78 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Water Conservation | Rainwater Harvesting | 7.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

S B Prasad , Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

| Unique Application Number | Submitted Date |
|---|---|
| MPCB-ENVIRONMENT_STATEMENT-0000029027 | 29-09-2020 |

### Company Information

| Company Name | Application UAN number |
|---|---|
| Western Coalfields Limited, Kumbharkhani Underground Mine | - |

**Address**

Office of the Sub Area Manager, Ghonsa Sub Area, Po. - Ghonsa, Tal.- Wani, Distt. - Yavatmal

| Plot no | Taluka | Village |
|---|---|---|
| 25/1, 2, 3 | Wani | Ghonsa |
| **Capital Investment (In lakhs)** | **Scale** | **City** |
| 4518.31 | L.S.I. | Wani |
| **Pincode** | **Person Name** | **Designation** |
| 445304 | Satyendrakumar | Sub Area Manager, GhonsaSub Area |
| **Telephone Number** | **Fax Number** | **Email** |
| 8668343551 | 07239241357 | samghonsa@gmail.com |
| **Region** | **Industry Category** | **Industry Type** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| **Last Environmental statement submitted online** | **Consent Number** | **Consent Issue Date** |
| yes | BO/JD(APC)/EICNo.CH-1795-16/R/CC-7436 | 01.06.2016 |
| **Consent Valid Upto** | | |
| 31.10.2020 | | |

### Product Information

| Product Name | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| COAL | 0.36 | 0 | MT/A |

### By-product Information

| By Product Name | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 1) Water Consumption in m3/day

| Water Consumption for | Consent Quantity in m3/day | Actual Quantity in m3/day |
|---|---|---|
| Process | 1700 | 0 |
| Cooling | - | - |
| Domestic | 60 | 0 |
| All others | - | - |
| Total | 1760 | 0 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Daily Trade Effluent | 1692 | - | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic Meter/Tonnes) | - | - | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives (Kg/Tonnes) | - | - | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | .575 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution control measures taken | - | - | - | 1654988 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

The mine is not in operation

### Name & Designation

Satyendrakumar, Ghonsa Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000029020

***Submitted Date***
29-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited, Pimpalgaon Open Cast Mine

***Application UAN number***
MPCB-CONSENT-0000041537

***Address***
Office of the Sub Area Manager, Kolar Pimpri- Pimpalgaon Sub Area, Po. - Ukni, Tal.- Wani, Distt. – Yavatmal

***Plot no***
79

***Taluka***
Wani

***Village***
-

***Capital Investment (In lakhs)***
6368.1

***Scale***
L.S.I.

***City***
WANI

***Pincode***
445304

***Person Name***
R K PRASAD

***Designation***
Sub Area Manager, Kolarpimpri-Pimpalgaon Sub Area

***Telephone Number***
7447339316

***Fax Number***
07239241357

***Email***
wnaenv@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
MPCB-CONSENT-0000041537

***Consent Issue Date***
Approved in CAC meeting dated 03-04-2019

***Consent Valid Upto***
31.08.2023

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| coal | 1.5 | 0 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| - | - | - | Ton/Y |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | - | - |
| ***Cooling*** | - | - |
| ***Domestic*** | 750 | - |
| ***All others*** | - | - |
| ***Total*** | 750 | - |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Daily Trade Effluent (Mine Discharge) | - | 0 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal (Cubic Meter/Tonnes) | 0 | 0 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives (Kg/Tonnes) | 0 | 0 | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| High Speed diesel (Litre) | - | 0 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0 | 0 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution control measures taken | - | - | - | 529037 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

The mine is not in operation

### Name & Designation

Sub Area Manager, Kolarpimpri-Pimpalgaon Sub Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000028916

***Submitted Date***
29-09-2020

### *Company Information*

***Company Name***
M/s Western Coalfields Limited, Rajur Underground Coal Mine

***Application UAN number***
MPCB-CONSENT-0000040209

***Address***
Office of the Sub Area Manager, Rajur Sub Area, Po.- Rajur, Tal.- Wani, Distt. - Yavatmal, Maharashtra

***Plot no***
168

***Taluka***
Wani

***Village***
Wani North

***Capital Investment (In lakhs)***
4562.33

***Scale***
L.S.I

***City***
Yavatmal

***Pincode***

***Person Name***
Satyendra Kumar

***Designation***
Sub Area Manager, Ghonsa Sub Area

***Telephone Number***
8380095385

***Fax Number***
07239-241357

***Email***
rajursubareawcl@gmail.com

***Region***
SRO-Chandrapur

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
MPCB-CONSENT-0000040209

***Consent Issue Date***
01.10.2019

***Consent Valid Upto***
30.04.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.21 | 0.067 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| NA | - | - | MT/A |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 200 | 100 |
| ***Cooling*** | - | - |
| ***Domestic*** | 1053 | 353 |
| ***All others*** | - | - |
| ***Total*** | 1253 | 453 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine discharge | 13956 | 10360 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 1.87 | 2.46 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 0.475 | 0.44 | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| HSD | - | 12.800 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Water quality monitoring reports have been attached | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 82 | 0.022 | 15710 | 405690 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution control | Installation of rainguns | 2.50 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| - | - | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Satyendra Kumar , Sub Area Manager

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027802

***Submitted Date***
26-09-2020

### *Company Information*

***Company Name***
Western Coalfields Limited, Ukni Opencast Mine

***Application UAN number***
-

***Address***
Office of the Sub Area Manager, Ukni - Junad Sub Area, PO. - Ukni, Tal- Wani, Dist - Yavatmal

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| 669 | Wani | Ukni |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 30478.67 | L.S.I | Yavatmal |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 445304 | Balmiki Prasad | Sub Area Manager, Ukni-Junad Sub Area |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 8425863189 | 07239241357 | wclsamujsa@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | MPCB-CONSENT-0000087450 | 29.07.2020 |

***Consent Valid Upto***
31.03.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| COAL | 2.2 | 1.37 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| - | - | - | CMD |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 380 | 380 |
| ***Cooling*** | - | - |
| ***Domestic*** | 100 | 26 |
| ***All others*** | 100 | 100 |
| ***Total*** | 580 | 506 |

### *1) Effluent Generation in CMD / MLD*

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Mine discharge | 4603 | 4540 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | 0.082 | 0.10 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosives | 1.69 | 1.92 | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 4482.775 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Water quality monitoring reports have been attached | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 46.329 | 50 | KL/A |
| 5.2 Wastes or residues containing oil | 1.9 | 7.74 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 5.783 | 9.38 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 50 | KL/A | - |
| 5.2 Wastes or residues containing oil | 7.74 | Ton/Y | - |
| 35.3 Chemical sludge from waste water treatment | 9.38 | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | - | - | 70785 | 662763 | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air pollution control | Installation of rainguns | 5.28 |
| Water pollution control | Modification of sedimentation tank | 11.62 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air pollution control | Covering of CHP | 10 |
| Water pollution control | Development works of ETP | 10 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

Balmiki Prasad, Sub Area Manager, Ukni-Junad Sub Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000029697

***Submitted Date***
30-09-2020

### *Company Information*

***Company Name***
WESTERN COALFIELDS LIMITED, WANI RAILWAY SIDING

***Application UAN number***
MPCB-CONSENT-0000082303

***Address***
Office of the Sub Area Manager, Kolar Pimpri-Pimpalgaon Sub Area, Po.- Ukni, Tal.- Wani, Distt. - Yavatmal, Maharashtra

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| - | wani | Wani North |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 73.77 | L.S.I | Yavatmal |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| | SB Prasad | Sub Area Manager, Kolar Pimpri-Pimpalgaon Sub Area |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 7447434791 | 07239-241357 | wclsamkolarpimpri@gmail.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Chandrapur | Green | G59 Mineral stack yard / Railway sidings |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | MPCB-CONSENT-0000082303 | 12.12.2019 |

***Consent Valid Upto***
30.09.2022

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Loading and unloading of Coal (Coal Stock Yard) | 4.8 | 3.00 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| - | - | - | Ton/Y |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 100 | 100 |
| ***Cooling*** | - | - |
| ***Domestic*** | 1 | 1 |
| ***All others*** | - | - |
| ***Total*** | 101 | 101 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| - | - | - | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| OTHERS | - | - | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| - | - | - | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| --NA-- | - | - | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| - | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | KL/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | Ton/Y |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| | - | - | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| | - | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | - | Ton/Y | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | - | - | - | - | - | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution Control | Installation of rain guns | 3.52 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Air Pollution Control | Installation of rain guns | 31.00 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

-

### Name & Designation

S B Prasad , Sub Area Manager

# NAGPUR AREA

# (Maharashtra State)

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027067

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Adasa UG Coal Mine Expansion of M/s Western Coalfields Limited,Nagpur (A Subsidiary of the Coal India Ltd-GOI-U/T

***Application UAN number***
2082

***Address***
Office of the Mine Manager, Adasa UG Coal Mine Expansion,Village Katodi, Teh.Saoner, P.O. Waghoda,District Nagpur 441107

***Plot no***
Village katodi

***Taluka***
Saoner

***Village***
Katodi

***Capital Investment (In lakhs)***
2550

***Scale***
L.S.I.

***City***
Nagpur

***Pincode***
441107

***Person Name***
Md. Mokim Siddique

***Designation***
Mine Manager /Sr.Manager (Mining)

***Telephone Number***
8458811104

***Fax Number***
07113233135

***Email***
adasaugminemanager@yahoo.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/UAN NO2082/R/CC-1706000437

***Consent Issue Date***
08.06.2017

***Consent Valid Upto***
31/01/2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.21 | 0.00000416 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| - | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 700 | 680 |
| ***Cooling*** | - | - |
| ***Domestic*** | 800 | 80 |
| ***All others*** | 10500 | 7670 |

| | | |
|---|---|---|
| **Total** | 12000 | 9100 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| DAILY TRADE EFFLUENT | 10500 | 7670 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | 2585416.667 | 3105769231 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive used for blasting purpose | 580964.1667 | 520949519.2 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 3.523 | KL/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER THE WATER QUALITY REPORT UPLOADED | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NO STOCK MONITORING | NOT APPLICABLE | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | - | CMD | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| - | - | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | - | 0.009652055 | 53605.41(Kg/annum) | 2874148 | 0 | 0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | NIL-As mine is going to be closed & converted into Open cast |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | As mine is going to be closed & converted into Open cast |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

As mine is going to be closed & converted into Open cast, Sedimentation tank for treatment of mine water,Installation fixed type sprinkler,CAAQMS etc work will be implemented in coming year for new mine

### Name & Designation

Md. Mokim Siddique, Sr.Manager/ Mine Manager, Adasa UG Coal Mine Expansion mine

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027116

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Bhanegaon Open Cast Coal Mine Project of Western Coalfields Limited, Nagpur (A subsidiary of Coal India Ltd, Ministry of Coal, GOI)

***Application UAN number***
MPCB-CONSENT-0000069216

***Address***
Office of the Mine Manager,Bhanegaon Open Cast Coal Mine Project Taluka - Kamptee, District - Nagpur Pin Code - 440026 (Maharashtra)

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| Survey of India Toposheet No 550/3,Khasera no 12/1D & 12/2 | Kamptee | 440026 |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 9492 | L.S.I | Nagpur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 440026 | Yogesh Kathuria | Project Manager- Bhanegaon OC Mine |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 8275970813 | 07122643547 | bhanegaonocminemanager@yahoo.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Nagpur I | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | Format 1.0/CAC/UAN no 00000069216/CO-205000684 dated 27.05.2020 | 27.05.2020 |

***Consent Valid Upto***
31.10.2020

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 1.15 | 0.750012 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| No by product | Nil | Nil | Kg/Annum |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 9400 | 3550 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 135 | 121 |

| | | |
|---|---|---|
| **All others** | 30032 | 30032 |
| **Total** | 39567 | 33703 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent (Only mine discharged water-no mixing) | 600 | 540 | CMD |
| Domestic Effluent | 135 | 80 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | 2421799.655 | 1727639.024 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive used for blasting purpose | 1072852.107 | 856418.8306 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 44088 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA- only dust generated during Coal extraction | Nil | Nil | Nil | Nil | Nil |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Overburden (Soil) | 2455300 | 3142000 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | NA | NA | Kl |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | NA | NA | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | NA | CMD | NA |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | 3142000 | M3/Anum | overburden stacked at earmarked sites |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 0 | 0.008 | -587123.4 | -1875684 | 0 | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Air & Water pollution control measures | 0.7 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Air & Water pollution control measures | 32.5 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Yogesh Kathuria

### Name & Designation

Project /Mine Manager, Bhanegaon OC project, Bhanegaon Singhori Sub Area of WCL, Nagpur Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027434

***Submitted Date***
24-09-2020

### *Company Information*

***Company Name***
GONDEGAON EXTENSION OC COAL MINE EXPANSION PROJECT

***Application UAN number***
MPCB-CONSENT-0000041516

***Address***
Gondegaon OCM, P.O Gondegaon,Tehsil-Parseoni

***Plot no***
SAM OFFICE,GONDEGAON

***Taluka***
PARSEONI

***Village***
GONDEGAON

***Capital Investment (In lakhs)***
274.99

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441404

***Person Name***
SUB AREA MANAGER

***Designation***
Dy.GM (MIN)/ SUB AREA MANAGER,GONDEGAON SUB AREA

***Telephone Number***
0712-2640200

***Fax Number***
0712-2643352

***Email***
wclngpenv@gmail.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
FORMAT 1.0/CAC/UAN NO.0000041516/CO/CAC-2003000079

***Consent Issue Date***
02/03/2020

***Consent Valid Upto***
31.12.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 3.5 | 3.50 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| OVERBURDEN | - | 34318.306 | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| *Process* | 2100 | 2050 |
| *Cooling* | - | - |
| *Domestic* | 670 | 640 |
| *All others* | - | 33158 |

| | | |
|---|---|---|
| **Total** | - | 35848 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| MINE WATER DISCHARGE | 35848 | 35848 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.00026 | 0.00021 | Ton/Ton |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE | 0.00096 | 0.0011 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 758.82 | Ltr/Hr |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| As per monitoring report (Attached) | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NOT APPLICABLE | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 3.3 Sludge and filters contaminated with oil | 3.5 | 3.360 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 3.3 Sludge and filters contaminated with oil | 3.5 | 3.360 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| overburden | 34569.863 | 34318.30 | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | - | - | Ton/Y |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 3.3 Sludge and filters contaminated with oil | SENT TO CHWTSDF , VEPL BUTOBORI | Ton/Y | 3.360 |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 34318.30 | CMD | - |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| IMPACT OF THE POLLUTION CONTROL MEASURES | AS PER WATER CESS RETURN | -0.25 KL/YEAR | -376.65 KG/YEAR | 13032 KWH/D | 82.70 | nil |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Revenue Expenditure | Revenue Expenditure | 111.40 |
| Capital Expenditure | Capital Expenditure | 82.70 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| WORKS PROPOSED FOR FY 2020-21 | EXPENDITURE ONE ENVIRONMENT | AS PER CAPITAL BUDGET I.E 119.40 LAKHS |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Attached

### Name & Designation

Sub Area Manager (Gondegaon Sub Area), WCL

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026692

***Submitted Date***
21-09-2020

### *Company Information*

***Company Name***
INDER UG TO OC, WESTERN COALFIELD LIMITED,A SUBSIDIARY OF COAL INDIA LIMITED

***Application UAN number***
MPCB-CONSENT-0000081212

***Address***
INDER UG TO OPENCAST EXPANSION COAL MINE UNDER KAMPTEE SUB AREA

***Plot no***
MANAGER OFFICE INDER UG TO OC

***Taluka***
PARSEONI

***Village***
TEKADI

***Capital Investment (In lakhs)***
2244.62

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441404

***Person Name***
MINE MANAGER

***Designation***
SENIOR MANAGER

***Telephone Number***
07122510691

***Fax Number***
07122512360

***Email***
wclngpenv@gmail.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
FORMAT 1.0/BO/JD(APC)UAN NO.81212/A-2005000590

***Consent Issue Date***
22/05/2020

***Consent Valid Upto***
CTO VALID FOR PERIOD UPTO 31.10.2020

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 1.2 | 0.90 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| OVERBURDEN | - | 2498599 | |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 600 | 570 |
| ***Cooling*** | - | - |
| ***Domestic*** | 96 | - |
| ***All others*** | 11000 | 10230 |
| ***Total*** | - | 10800 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| TRADE EFFLUENT | 11000 | 10230 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining | 0.00030 | 0.00023 | Ton/Ton |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE | 0.00074 | 0.00010 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 132832 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| AS PER MONITORING REPORT (ATTACHED) | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | - | - | |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | - | 2.5 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 1391696 | 2498599 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| NA | - | - | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | - | - | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 2.5 | Ton/Y | - |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 2498599 | M3/Anum | 2498599 |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| IMPACT OF POLLUTION CONTROL MEASURES | AS PER WATER CESS RETURN | 0.00008 KL/D | 1180 KG/D | 534646 KWH/YEAR | - | 5.72 LAKHS |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| REVENUE EXPENDITURE | EXPENDITURE ON ENVIRONMENT | 29.54 Lakhs |
| CAPITAL EXPENDITURE | EXPENDITURE ON ENVIRONMENT | NIL |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| PROPOSED FOR NEXT FY 2020-21 | EXPENDITURE ON ENVIRONMENT | CAPITAL INVESTMENT AS PER REVISED PROJECT REPORT |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Attached

### Name & Designation

Sub Area Manager (Kamptee Sub Area), WCL

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000026522

***Submitted Date***
19-09-2020

### *Company Information*

***Company Name***
KAMPTEE DEEP OC, WESTERN COALFILED LIMITED

***Application UAN number***
MPCB-CONSENT-0000090050

***Address***
EXPANSION OF KAMPTEE DEEP OC MINE UNDER KAMPTEE SUB AREA

***Plot no***
WCL,KAMPTEE DEEP PROJECT

***Taluka***
PARSEONI

***Village***
KANHAN

***Capital Investment (In lakhs)***
13486.99712

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441404

***Person Name***
MINE MANAGER

***Designation***
CHIEF MANAGER

***Telephone Number***
07122510691

***Fax Number***
07122512360

***Email***
wclngpenv@gmail.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
FORMAT 1.0/CAC/UAN NO.0000090050/CR-2007001724

***Consent Issue Date***
29/07/2020

***Consent Valid Upto***
31.03.2021

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| COAL | 2.0 | 0.800008 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| OVERBURDEN | - | 2992204 | |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 1950 | 1380 |
| ***Cooling*** | - | - |
| ***Domestic*** | 3600 | 1146 |
| ***All others*** | -- | 22644 |
| ***Total*** | -- | 25170 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| MINE WATER DISCHARGE | 31176 | 22644 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Mining(COAL) | 0.00018 | 0.000629 | Ton/Ton |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| EXPLOSIVE | 0.000897 | 0.000469 | Ton/Ton |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 2433558 | Ltr/A |
| Lubricant | - | 76262 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| As per monitoring Reports | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| NA | - | - | - | - | - |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 20.0 | 18.48 | Ton/Y |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 20.0 | 18.48 | Ton/Y |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | 1951583.82 | 2992204 | M3/Anum |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|

| | | | |
|---|---|---|---|
| NA | - | - | set/month |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | Sent to VEPL,Butibori for disposal | Sent to VEPL,Butibori for disposal | Ton/Y |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | Sent to VEPL,Butibori for disposal | Ton/Y | 18.48 |
| 5.1 Used or spent oil | SENT TO REGIONAL STORE FOR RECOVERY | KL/A | 28.8 |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| OVERBURDEN | 2992204 | M3/Anum | 2992204 |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of pollution control measures | AS PER WATER CESS RETURN | 0.085 KL/DAY | 476.03 KG/DAY | 366831 KWH/YEAR | 3.96 | -24.85 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Expenditure | Capital Expenditure | NIL |
| Revenue Expenditure | Revenue Expenditure | 47.35 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| MISCELLANEOUS WORKS | PROPOSED EXPENDITURE AS PER PROJECT REPORT | - |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Attached

### Name & Designation

Sub Area Manager (Kamptee Sub Area), WCL

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027089

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Patansaoungi Expansion UG Coal Mine project of M/s Western Coalfields Ltd.,Nagpur (A subsidiary of Coal India Ltd, GOI-U/T MINE

***Application UAN number***
0000090063

***Address***
Office of the Mine Manager,Patansaoungi Expansion UG Coal Mine project of WCL,Nagpur Area

***Plot no***
47

***Taluka***
Saoner

***Village***
Patansaoungi

***Capital Investment (In lakhs)***
1910

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441113

***Person Name***
Saroj Kumar Srivastava

***Designation***
Mine Manager, Patansaoungi Mine, Silewara Sub Area of WCL,Nagpur Area

***Telephone Number***
9421803453

***Fax Number***
07122643547

***Email***
patansaoniugminemanager@yahoo.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC) UAN NO 90063/R/CC-142/2020 dated 03.09.2020

***Consent Issue Date***
03.09.2020

***Consent Valid Upto***
31.03.2025

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.3 | 0.06945 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Nil | nil | nil | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 9819 | 8837 (stowing for back-filling of the mine) |
| ***Cooling*** | - | - |

| | | |
|---|---|---|
| ***Domestic*** | 7637 (Actually major portion of the water is used for RO Plant) | 6874 |
| ***All others*** | 2183 | 1532 |
| ***Total*** | 19639 | 17243 |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Trade Effluent (Only mine discharged water-no mixing) | 5000 | 1532 | CMD |
| Domestic Effluent | 240 | 4582 (This effluent is mainly the reject from the RO plant which is being treated) | CMD |

### *2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)*

| ***Name of Products (Production)*** | ***During the Previous financial Year*** | ***During the current Financial year*** | ***UOM*** |
|---|---|---|---|
| Coal | 51168054.82 | 51610143.28 | |

### *3) Raw Material Consumption (Consumption of raw material per unit of product)*

| ***Name of Raw Materials*** | ***During the Previous financial Year*** | ***During the current Financial year*** | ***UOM*** |
|---|---|---|---|
| Explosive used for blasting purpose | 366080.3769 | 493269.7818 | |

### *4) Fuel Consumption*

| ***Fuel Name*** | ***Consent quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Diesel | - | 747 | Ltr/A |

### *Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)*

#### *[A] Water*

| ***Pollutants Detail*** | ***Quantity of Pollutants discharged (kL/day)*** | ***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour*** | ***Percentage of variation from prescribed standards with reasons*** | | |
|---|---|---|---|---|---|
| | ***Quantity*** | ***Concentration*** | ***%variation*** | ***Standard*** | ***Reason*** |
| As per the attached Environment Monitoring report | - | - | - | - | - |

#### *[B] Air (Stack)*

| ***Pollutants Detail*** | ***Quantity of Pollutants discharged (kL/day)*** | ***Concentration of Pollutants discharged(Mg/NM3)*** | ***Percentage of variation from prescribed standards with reasons*** | | |
|---|---|---|---|---|---|
| | ***Quantity*** | ***Concentration*** | ***%variation*** | ***Standard*** | ***Reason*** |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

### *HAZARDOUS WASTES*

#### *1) From Process*

| ***Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

#### *2) From Pollution Control Facilities*

| ***Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | Not applicable | Not applicable | CMD |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | Not applicable | Not applicable | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | Not applicable | CMD | Not applicable |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | Not applicable | CMD | Not applicable |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 0 | 0.00450137 | -8613.02 (Kg/Annum) | 819855 | 0 | 0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | 5 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Yes, we are going for Installation of sprinkler/mist spray system along the road side from check post to mine & surrounding area of coal stock CHP at Patansaongi mine .

***Name & Designation***

S. K.Srivastava, Mine Manager, Patansaoungi Mine , Silewara Sub Area,WCL,Nagpur Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027094

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Pipla underground coal mine project of M/s Western Coalfields Ltd .(A subsidiary of Coal India Ltd, GOI-U/T MINE

***Application UAN number***
0

***Address***
Office of the Silewara Sub Area Manager, Silewara Sub Area of WCL,Nagpur Area

***Plot no***
Walni Mouza 1 (134,135)

***Taluka***
Saoner

***Village***
Walni

***Capital Investment (In lakhs)***
1243

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441402

***Person Name***
Praveen Turale

***Designation***
Dy GM(Min)/Sub Area Manager, Silewara Sub Area

***Telephone Number***
7972405939

***Fax Number***
07103268128

***Email***
piplaugminemanager@yahoo.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC) EIC NO-NG-3362-10/R/CC-750

***Consent Issue Date***
11.01.2013

***Consent Valid Upto***
30.06.2014, Fresh application for renewal was applied upto 30.06.2017-but mine is not in production

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.25 | 0 | CMD |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Nil | 0 | 0 | |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | Mine is abounded since 26.08.2016 | -Mine is abounded |
| ***Cooling*** | - | - |
| ***Domestic*** | - | - |

| | | |
|---|---|---|
| ***All others*** | - | - |
| ***Total*** | - | - |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Trade Effluent (Only mine discharged water-no mixing) | - | - | CMD |

### *2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)*

| ***Name of Products (Production)*** | ***During the Previous financial Year*** | ***During the current Financial year*** | ***UOM*** |
|---|---|---|---|
| Coal | Mine is abounded since 26.08.2016 | Mine is abounded since 26.08.2016 | |

### *3) Raw Material Consumption (Consumption of raw material per unit of product)*

| ***Name of Raw Materials*** | ***During the Previous financial Year*** | ***During the current Financial year*** | ***UOM*** |
|---|---|---|---|
| Explosive used for blasting purpose | Mine is abounded since 26.08.2016 | Mine is abounded since 26.08.2016 | CMD |

### *4) Fuel Consumption*

| ***Fuel Name*** | ***Consent quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Diesel | Mine is abounded since 26.08.2016 | Mine is abounded since 26.08.2016 | |

### *Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)*

### *[A] Water*

| ***Pollutants Detail*** | ***Quantity of Pollutants discharged (kL/day)*** | ***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour*** | ***Percentage of variation from prescribed standards with reasons*** | | |
|---|---|---|---|---|---|
| | ***Quantity*** | ***Concentration*** | ***%variation*** | ***Standard*** | ***Reason*** |
| Monitoring report enclosed | - | - | - | - | - |

### *[B] Air (Stack)*

| ***Pollutants Detail*** | ***Quantity of Pollutants discharged (kL/day)*** | ***Concentration of Pollutants discharged(Mg/NM3)*** | ***Percentage of variation from prescribed standards with reasons*** | | |
|---|---|---|---|---|---|
| | ***Quantity*** | ***Concentration*** | ***%variation*** | ***Standard*** | ***Reason*** |
| Not Applicable | Nil | Nil | Nil | Nil | Nil |

### *HAZARDOUS WASTES*

### *1) From Process*

| ***Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| 0 | NA | NA | |

### *2) From Pollution Control Facilities*

| ***Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| 0 | NA | NA | CMD |

### *SOLID WASTES*

### *1) From Process*

| ***Non Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| NA | NA | NA | CMD |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | NA | NA | NM3/MT |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | NA | NA | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | Na | | NA |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | NA | NM3/MT | NA |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Mine is abounded since 26.08.2016 | - | 0.004126027 | - | 4211780 | 0 | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | 0 as mine is abondend since 26.08.2016 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Mine is abondended since 26.08.2020- notice of discontinuance of mine submitted with AMP

### Name & Designation

Parveen Turale, Sub Area Manager, Silewara Sub Area,WCL-Nagpur Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027135

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Saoner Underground Coal Mine of M/s Western Coal fields Limited ,(A subsidary of Coal india Limited, GOI-U/T

***Application UAN number***
MPCB-CONSENT - 0000056629

***Address***
Office of the Sub Area Manager, Saoner Underground Coal Mine,Saoner Sub Area, WCL - Nagpur Area

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| 0105(OLD)/74-75(New) Waghoda Gram Panchayat | Saoner | Borgaon |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 9457 | L.S.I | Nagpur |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 441107 | R.B Thakre | Dy. GM(Mining) |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 9881010881 | 07122643547 | saonerugminemanager@yahoo.com |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Nagpur I | Red | R35 Mining and ore beneficiation |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | BO/CAC/UAN NO.0000056629/CR-2003000146 DATED 3.03.2020 | dated 03.03.202 |

***Consent Valid Upto***
31.03.2021

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coal | 2 | 0.605278 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Nil | 0 | 0 | |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 5437 | 5000 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 800 | 437 |
| ***All others*** | 1700 | 0 |

| | | |
|---|---|---|
| **Total** | 7937 | 5437 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent | 10245 | 2808 (used for eco park maintenance & RO water at Nilgaon & | CMD |
| Domestic Efflent | 500 | 263 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | 2983391.094 | 3015143.455 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive used for blasting purpose | 52863.05826 | 493726.5686 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | Not mentioned | 12225 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Environment Monitoring report uploaded | uploaded | uploaded | uploaded | uploaded | uploaded |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| OVERBURDEN | Not applicable | Not applicable | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Not applicable | Not applicable | Not applicable | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | Not applicable | CMD | Not applicable |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Not applicable | Not applicable | CMD | Not applicable |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the Pollution Control Measures | - | 0.002747945 | 23495.56 (Kg/annum) | -962268 | 0 | 0 |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of the Air and water pollution Control Measures | 04 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

1. Construction of DETP for colony 2.Supply & installation of fabricated Biodigester toilet with tank at Eco park.3.Mist spray arrangement along railway track at ECO park.4.Ladies & gents bio-digester toilets to diff. places at Saoner SA

### Name & Designation

Rajendra B. Thakre, Dy GM (Min)/Sub Area Manager,Saoner Sub Area, WCL-Nagpur Area

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027079

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Silewara UG Coal Mines Project of M/s Western Coalfields Ltd. ( A subsidiary of Coal India Ltd, GoI-U/T

***Application UAN number***
0000067299

***Address***
Office of the Sub Area Manager, Silewara UG Coal Mines, Post Silewara, Tehsil Saoner Distt Nagpur

***Plot no***
161

***Taluka***
Saoner

***Village***
Silewara

***Capital Investment (In lakhs)***
3467

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441113

***Person Name***
Birendra Choudhary

***Designation***
Mine Manager, Silewara UG Mine

***Telephone Number***
9425833779

***Fax Number***
07103268128

***Email***
bchoudhury@westerncoal.gov.in

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/JD(APC)/UAN No.67299/R/CC-1910000011

***Consent Issue Date***
01.10.2019

***Consent Valid Upto***
31.03.2022

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 0.55 | 0.1227 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| No by product generated during coal mining | - | - | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | - | 428 |
| ***Cooling*** | Back filling of the mine or stowing purpose | 19736 |
| ***Domestic*** | 2250 | 2050 |
| ***All others*** | 5730 | 2764 |
| ***Total*** | 7980 | 24978 |

### 1) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent (Only mine discharged water-no mixing) | 3320 | 2764 | CMD |
| Domestic Effluent | 1350 | 122 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | 1248522.623 | 1276250.611 | |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Explosive used for blasting purpose | 289599.3622 | 316128.7694 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Diesel | - | 1448 | Ltr/A |

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Air & WATER QUALITY REPORT UPLOADED | - | - | - | - | - |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not Applicable | Not Applicable | CMD |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not Applicable | Not Applicable | CMD |

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | Not Applicable | Not Applicable | CMD |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | Not Applicable | Not Applicable | CMD |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not Applicable | Not Applicable | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | Not Applicable | CMD | Not Applicable |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | Not Applicable | CMD | Not Applicable |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | 0 | 0.008156164 | -2466 (Kg/Annum) | -318056 | 0 | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investement | Implementation of Air and water Pollution Control Measures | 0 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation of Air and water Pollution Control Measures | 5 (tentative) |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

Yes, we are going for Supply & installation of fabricated Biodigester toilet with tank at office and Renovation of entire (old) sewerage system of chankapur colony with Biodigester system under Silewara S A

### Name & Designation

B.Choudhary,Mine Manager, Silewara UG Mine

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2020

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000027127

***Submitted Date***
23-09-2020

### *Company Information*

***Company Name***
Singhori Opencast Coal Mine of M/s Western Coal fields Limited, (A subsidiary of Coal India Ltd- Govt. of India Undertaking)

***Application UAN number***
MPCB-CONSENT - 0000085095

***Address***
Office of the Mine Manager, Singhori Opencast Coal Mine, Bhanegaon Singhori Sub Area, WCL - Nagpur Area

***Plot no***
Topo Sheet No 55-O/3, Village Singhori

***Taluka***
Parseoni

***Village***
Singhori

***Capital Investment (In lakhs)***
8869.87

***Scale***
L.S.I

***City***
Nagpur

***Pincode***
441105

***Person Name***
Sh Deepak Walke

***Designation***
Sr.Manager (Min)/Mine Manager Singhori OC Mine

***Telephone Number***
9881490881

***Fax Number***
07122643547

***Email***
cilsambssa@gmail.com

***Region***
SRO-Nagpur I

***Industry Category***
Red

***Industry Type***
R35 Mining and ore beneficiation

***Last Environmental statement submitted online***
yes

***Consent Number***
Format 1.0/CAC/UAN no 00000085095/CO-207000012

***Consent Issue Date***
01.07.2020

***Consent Valid Upto***
Period up to 31.03.2021.

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| Coal | 1.12 | 1.119 | MT/A |

### *By-product Information*

| *By Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| No by product | Nil | Nil | CMD |

### *1) Water Consumption in m3/day*

| *Water Consumption for* | *Consent Quantity in m3/day* | *Actual Quantity in m3/day* |
|---|---|---|
| ***Process*** | 296 | 275 |
| ***Cooling*** | 0 | 0 |
| ***Domestic*** | 50.00 | 30 |

| | | |
|---|---|---|
| ***All others*** | 0 | 0 |
| ***Total*** | 346 | 305 |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Trade Effluent | 4495 | 3950 | CMD |
| Domestic Efflent | 30 | 27 | CMD |

### *2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)*

| ***Name of Products (Production)*** | ***During the Previous financial Year*** | ***During the current Financial year*** | ***UOM*** |
|---|---|---|---|
| Coal | 125468.75 | 89686.67964 | |

### *3) Raw Material Consumption (Consumption of raw material per unit of product)*

| ***Name of Raw Materials*** | ***During the Previous financial Year*** | ***During the current Financial year*** | ***UOM*** |
|---|---|---|---|
| Explosive used for blasting purpose | 2136055 | 1490355.387 | |

### *4) Fuel Consumption*

| ***Fuel Name*** | ***Consent quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Diesel | - | 98282 | Ltr/A |

### *Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)*

#### *[A] Water*

| ***Pollutants Detail*** | ***Quantity of Pollutants discharged (kL/day)*** | ***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour*** | ***Percentage of variation from prescribed standards with reasons*** | | |
|---|---|---|---|---|---|
| | ***Quantity*** | ***Concentration*** | ***%variation*** | ***Standard*** | ***Reason*** |
| Environment Monitoring reports uploaded | - | - | - | - | - |

#### *[B] Air (Stack)*

| ***Pollutants Detail*** | ***Quantity of Pollutants discharged (kL/day)*** | ***Concentration of Pollutants discharged(Mg/NM3)*** | ***Percentage of variation from prescribed standards with reasons*** | | |
|---|---|---|---|---|---|
| | ***Quantity*** | ***Concentration*** | ***%variation*** | ***Standard*** | ***Reason*** |
| Not applicable on Coal mines | Not applicable on Coal mines | Not applicable on Coal mines | Not applicable on Coal mines | Not applicable on Coal mines | Not applicable on Coal mines |

### *HAZARDOUS WASTES*

#### *1) From Process*

| ***Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| 0 | Nil | Nil | CMD |

#### *2) From Pollution Control Facilities*

| ***Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|
| 0 | Nil | Nil | |

### *SOLID WASTES*

#### *1) From Process*

| ***Non Hazardous Waste Type*** | ***Total During Previous Financial year*** | ***Total During Current Financial year*** | ***UOM*** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Overburden (soil) | 4631845 | 4071000 | M3/Anum |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| Not applicable | Nil | Nil | MVA |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | Not applicable | Not applicable | CMD |

### Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 0 | Nil | | Nil |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| Overburden | 4071000 | M3/Anum | Soil |

### Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| Impact of the pollution Control measures taken | - | -0.26 | -1533359 (kg/Annum) | -435288 (KWH/Annum) | 0.7 | - |

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investement | Implementation regarding APC & WPC pollution control measures | 0.7 |

### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Capital Investment | Implementation regarding APC & WPC pollution control measures | 32.5 |

### Any other particulars in respect of environmental protection and abatement of pollution.

### Particulars

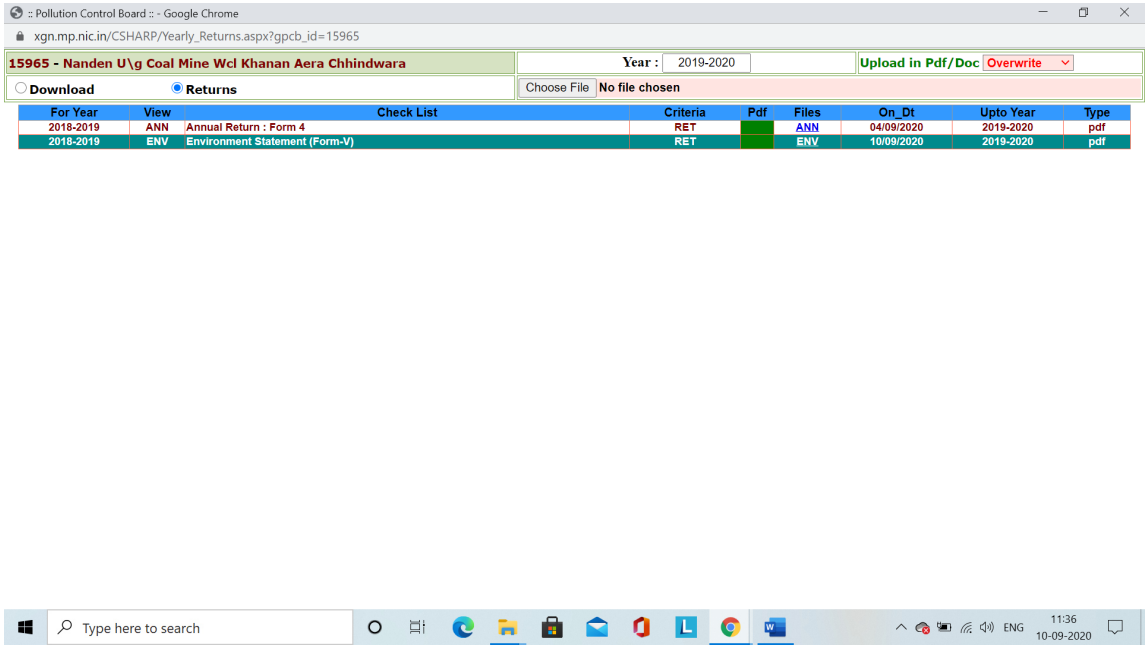
Deepak Walke

### Name & Designation

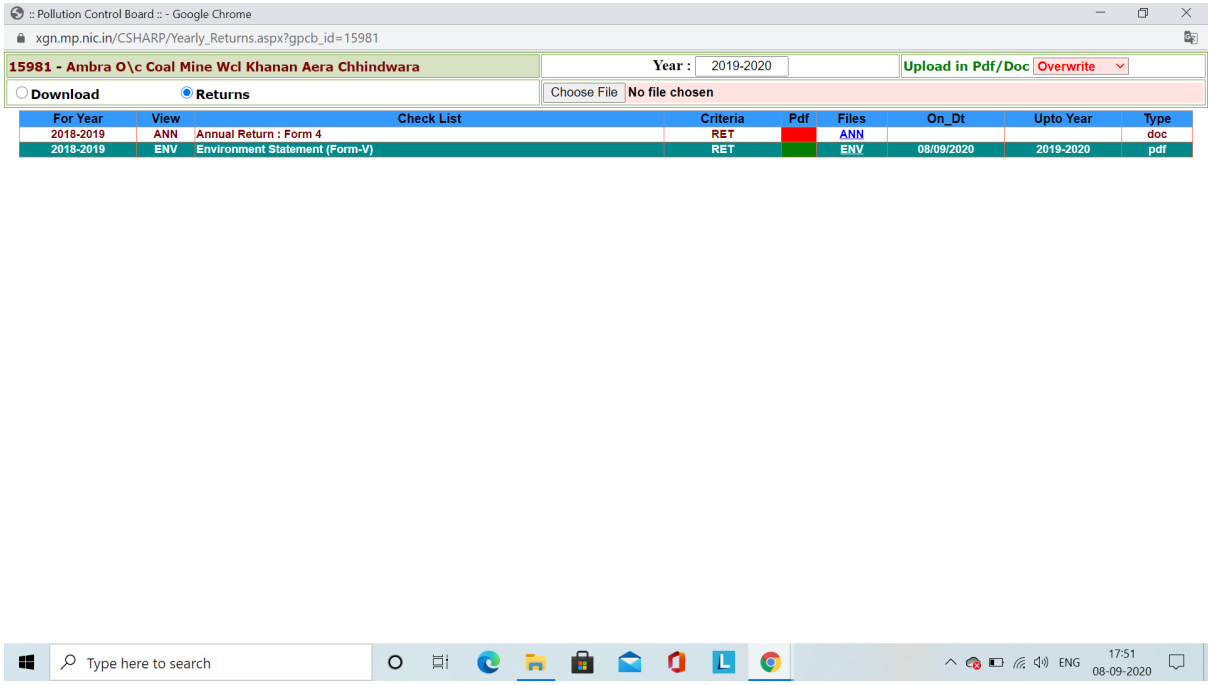
Project /Mine Manager, Singhori OC Expansion project under Bhanegaon Singhori Sub Area of WCL, Nagpur Area

# KANHAN AREA
# (Madhya Pradesh)

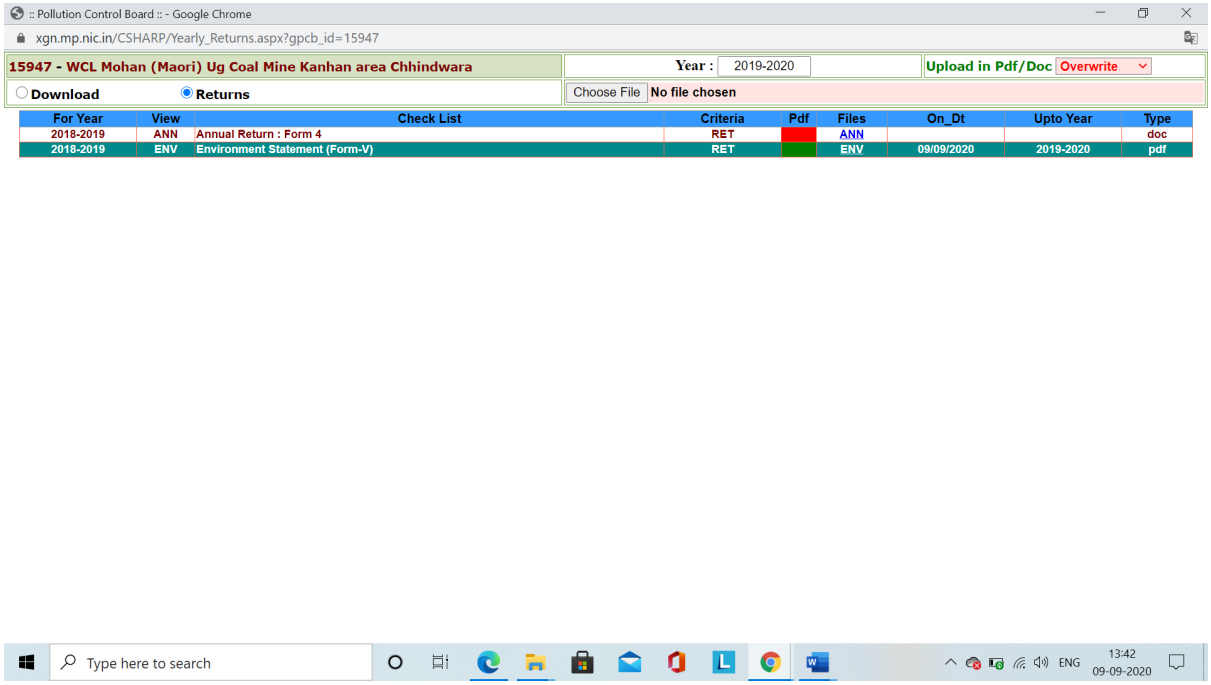
# NANDAN UG mine



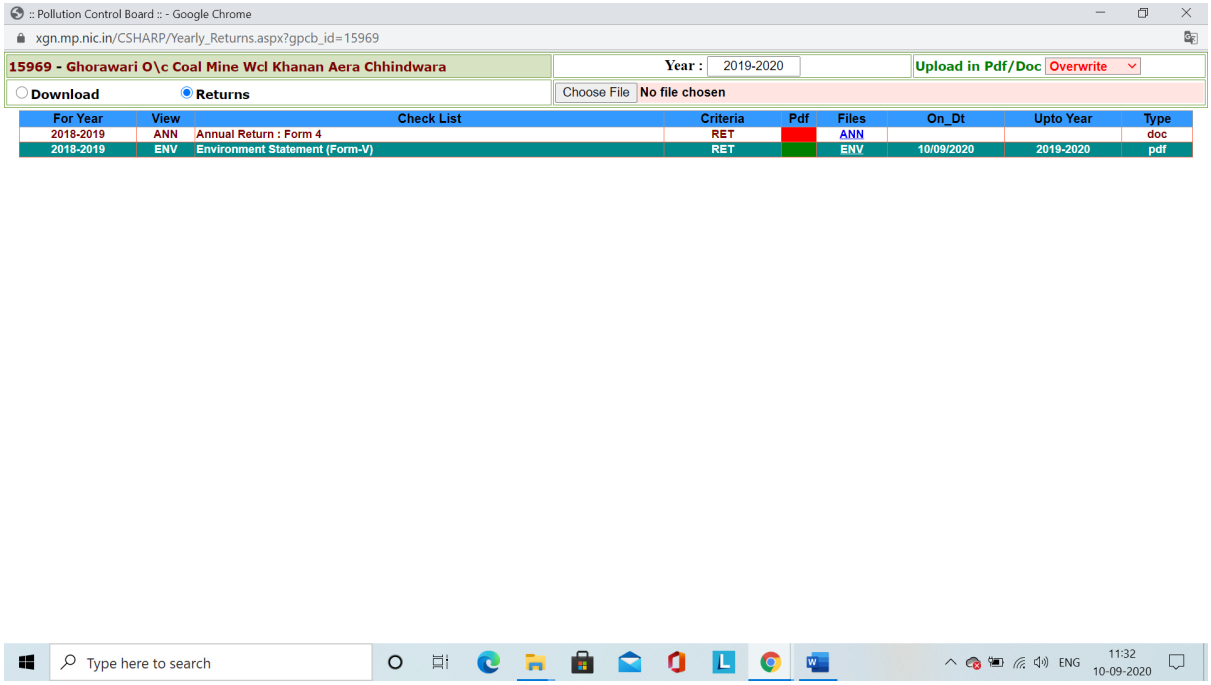
# Ambara OC Patches (including Mohan OC Patch) mine



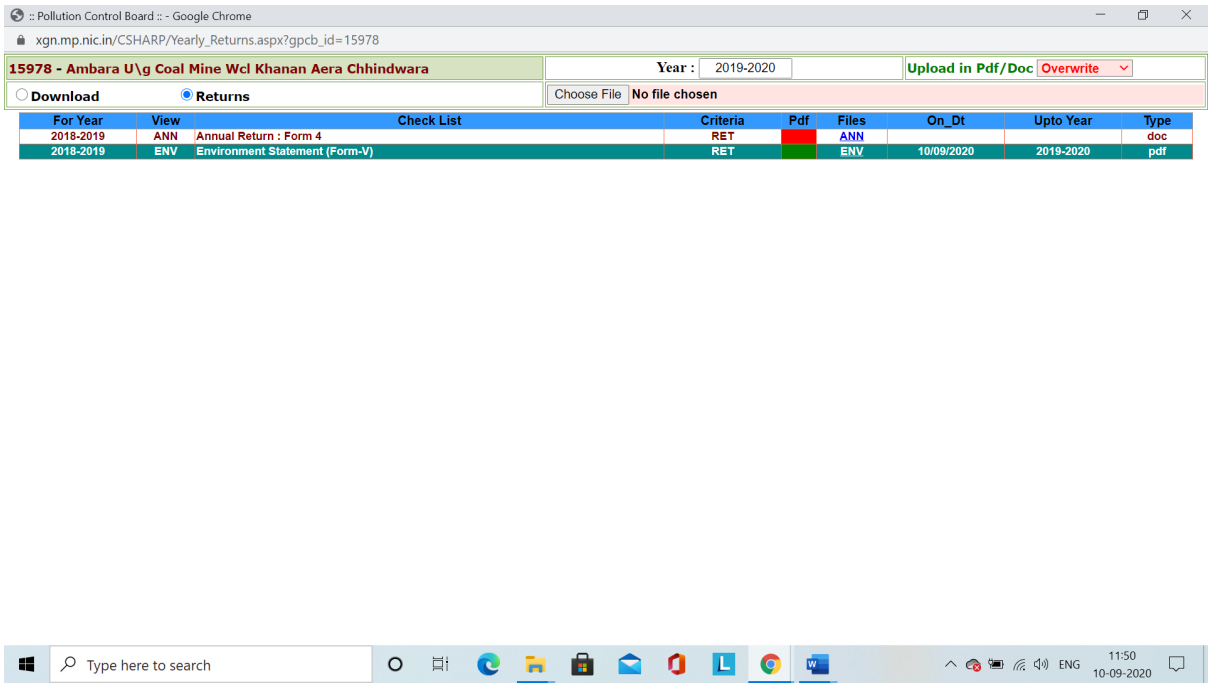
# Mohan UG mine



# Ghorawari OC patches mine



# Ambara UG mine



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xgn.mp.nic.in/CSHARP/Yearly_Returns.aspx?gpcb_id=15978

**15978 - Ambara U\g Coal Mine Wcl Khanan Aera Chhindwara** | Year : 2019-2020 | Upload in Pdf/Doc Overwrite

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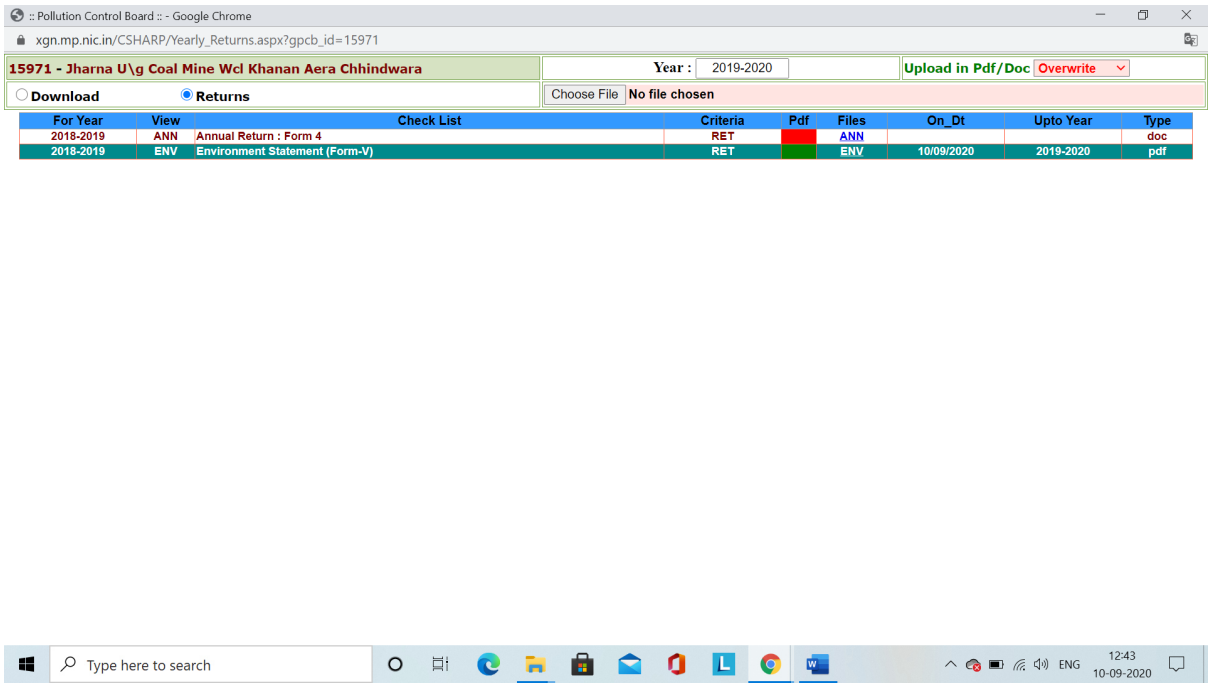
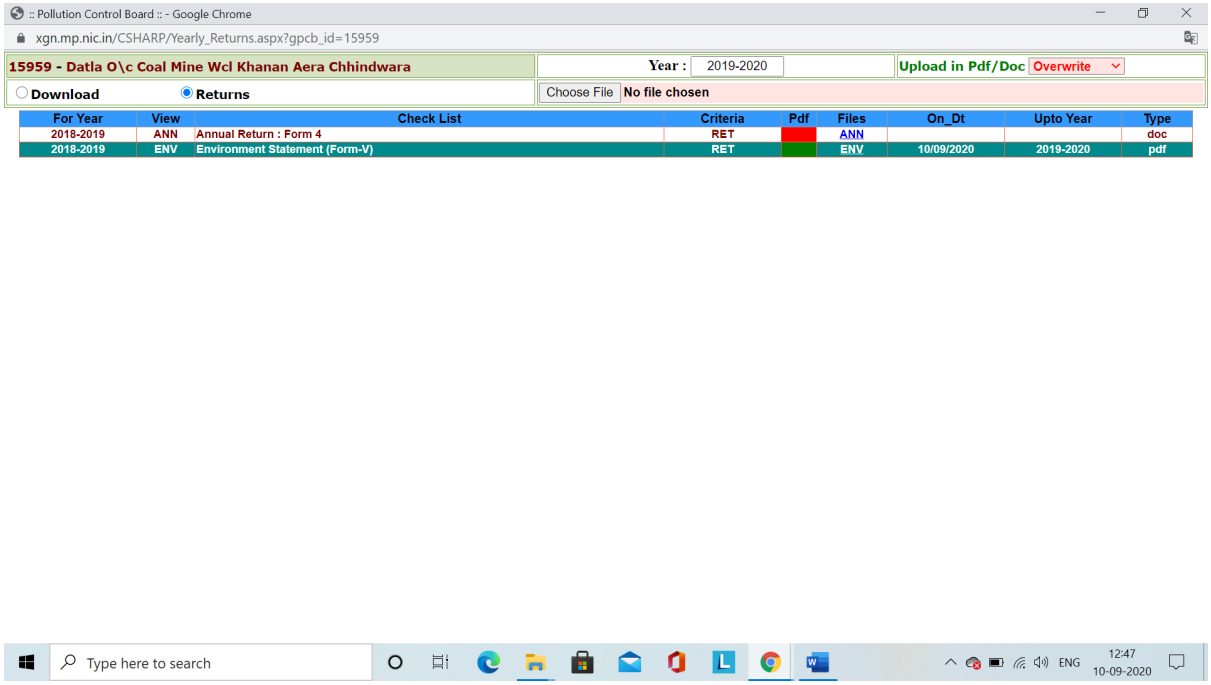
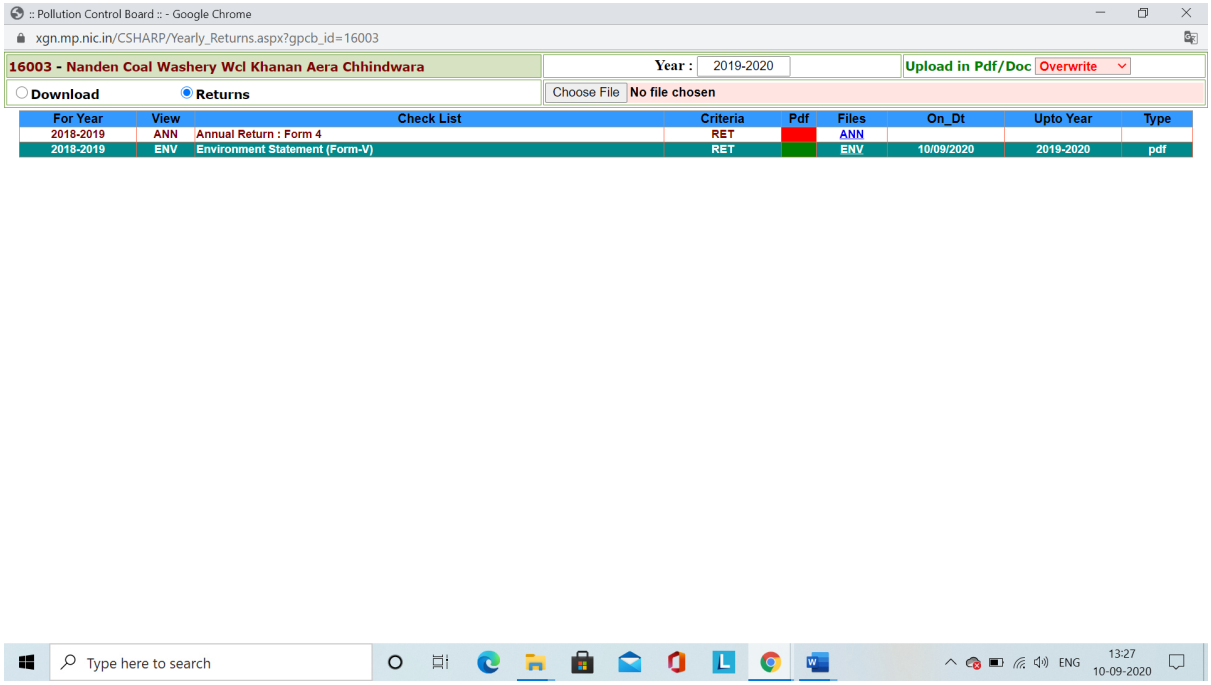
# Jharna UG mine



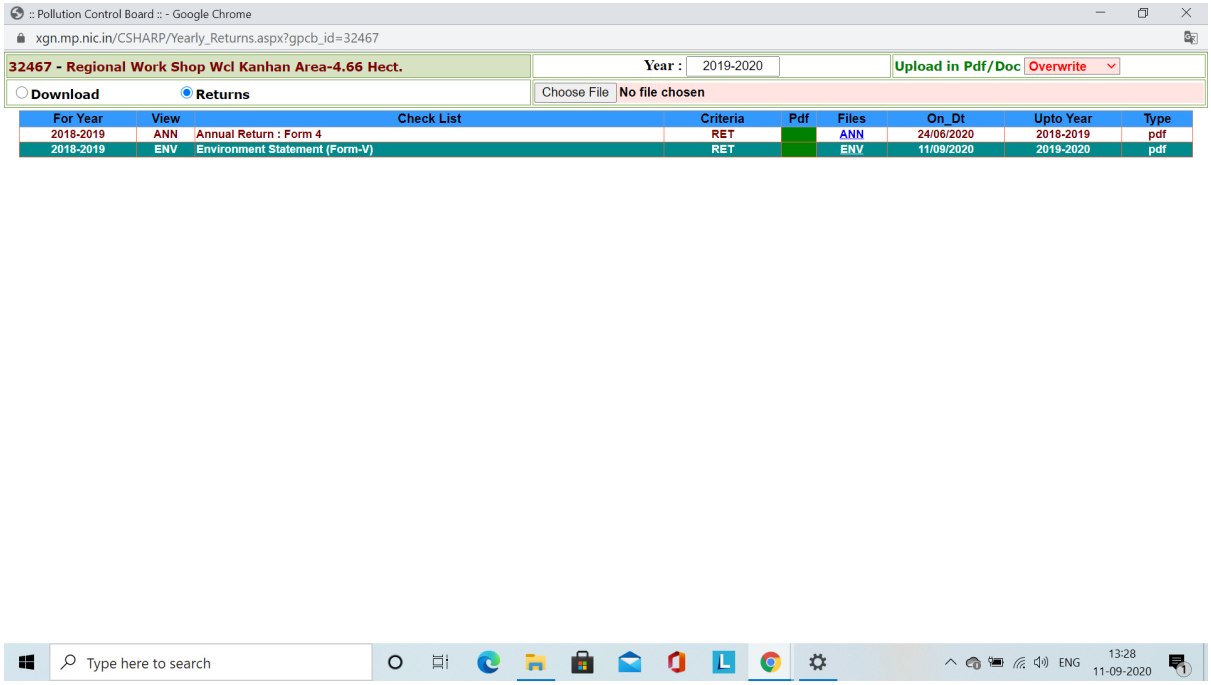
# Datla OC mine



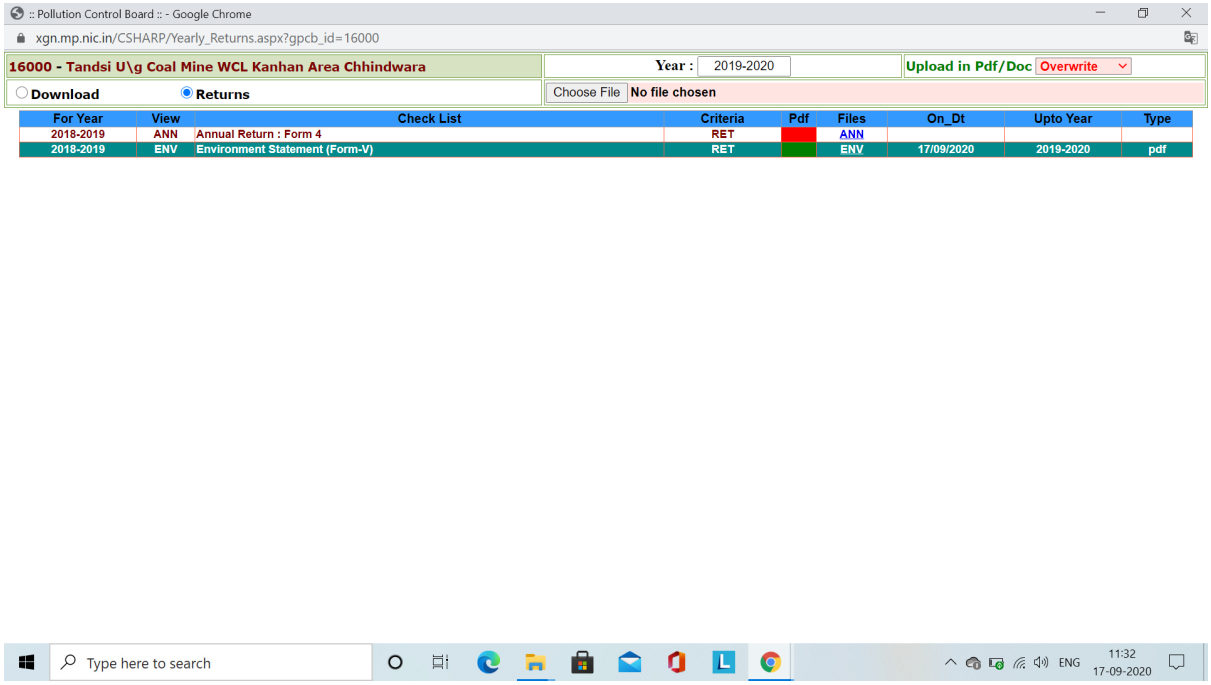
# Nandan Coal Washery



# Regional Work-Shop



# Tandsi UG mine



# PATHAKHERA AREA

# (Madhya Pradesh)

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Chattarpur I & II U.G Coal Mine Project(825.338 Hect.),Betul

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23926 - Chattarpur I & II U.G Coal Mine Project(825.338 Hect.),Betul

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| 2019-2020 | ENV | Environment Statement (Form-V) | RET | | ENV | 29/05/2020 | 2018-2019 | pdf |

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Sarni UG Coal Mine Project, Betul

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Shobhapur Mine, Wcl,
Pathakhera Area, Betul

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22954 - Shobhapur Mine, Wcl, Pathakhera Area, Betul | Uploaded Pdfs :13

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| 2019-2020 | ENV | Environment Statement (Form-V) | RET | | ENV | 29/05/2020 | 2019-2020 | pdf |

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Tawa Mine No.1, Wcl
Pathakhera, Betul

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22953 - Tawa Mine No.1, Wcl Pathakhera, Betul | Uploaded Pdfs :14

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| 2019-2020 | ENV | Environment Statement (Form-V) | RET | | ENV | 29/05/2020 | 2018-2019 | pdf |

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# PENCH AREA
# (Madhya Pradesh)

| 15983 - Nehariya U\g Coal Mine Wcl Panchaera Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 2018-2019 | ENV | Environment Statement (Form-V) | RET | | ENV | 25/09/2020 | 2019-2020 | pdf |

| 27786 - Regional Workshop Chandameta Wcl Pench Area | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 2018-2019 | ANN | Annual Return : Form 4 | RET | | ANN | 04/05/2020 | 2018-2019 | pdf |
| 2018-2019 | ENV | Environment Statement (Form-V) | RET | | ENV | 25/09/2020 | 2019-2020 | pdf |

| 15995 - Shivpuri Mine O\C Patches Coal Mine WCL Pench Area Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 2018-2019 | ENV | Environment Statement (Form-V) | RET | | ENV | 25/09/2020 | 2019-2020 | pdf |

| 15996 - Matani U\g Coal Mine Wcl Panch Aera Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 2018-2019 | ENV | Environment Statement (Form-V) | RET | | ENV | 25/09/2020 | 2019-2020 | pdf |

| 26450 - Urdhan Open Cast Mine Pench Area Wcl | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 2018-2019 | ENV | Environment Statement (Form-V) | RET | | ENV | 25/09/2020 | 2019-2020 | pdf |

| 16030 - Vishnupuri U\g Coal Mine- Ii Wcl Panch Aera Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 16010 - Badkui O\c Coal Mine Wcl Panch Aera Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 15960 - Chhinda O\c Coal Mine Wcl Pench Aera , Parasia Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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| 16007 - Mahadevpuri U\g Coal Mine Wcl Panch Aera Chhindwara | Year : 2019-2020 | Upload in Pdf/Doc Overwrite |
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