



WBPDCCL/Director (Mining)/ 1830

Date: 07.06.2024

To
Divisional Forest Officer
Bankura (North) Division
Machantala, P.O& District- Bankura
PIN-722101 (West Bengal)

Subject: Point wise compliance/ reply of EDS regarding Diversion of 338.74 ha of forest land for Coal Mining in Barjora North Coal Mine Block in favour of The West Bengal Power Development Corporation Limited, Bankura District, West Bengal (Online Proposal No. FP/WB/MIN/43000/2019)

Ref: Ministry of Environment Forest and Climate Change, Forest Conservation Division, Government of India letter No. I/57366/2023 dated 10th November, 2023.

Sir,

In reference to the above mentioned subject, it is for your information that after examination of the said proposal by MoEF & CC, Forest Conservation Division, GoI, some information were sought to proceed for the forest diversion proposal. Accordingly, EDS has been raised vide letter No. I/57366/2023 on dated 10th November, 2023.

Point wise compliance /reply is given below for your kind perusal.

Sl. No.	EDS Raised by MoEF&CC	Point Wise Compliance of WBPDCCL
i.	<p>The area proposed for diversion is having very dense forest (VDF) over some portion which is inviolate as per DSS analysis.</p> <p>Further, apprehensions have also been raised by the State Nodal Officer regarding the detrimental impact the mining in this area is likely to cause.</p> <p>The proposal has not been recommended by the State Nodal Officer.</p> <p>In such circumstances the State shall give a detailed justification as to why the use of the proposed forest area for mining cannot be avoided. State may explore mining in other areas before proposing mining in a biodiversity rich area.</p>	<p>Total area of the Forest land proposed for diversion is 338.74 ha. Out of total area of the this only 10-13 % is Very Dense Forest whereas overall canopy density is 0.4 in entire forest area.</p> <p>In order to mitigate and balance the detrimental impact due to the mining activity, State Forest Department has Prepared the Comprehensive Wildlife Conservation Plan of Rs 90,13,54,162.00 and Comprehensive Soil Moisture Conservation Plan of Rs. 16,23,65,280.00 Compensatory Afforestation (CA)Scheme of Rs. 22,27,54,343.00 The entire implementation cost will be borne by the WBPDCCL.</p> <p>Further any additional plantation as compensatory measure, if directed by Forest Department, WBPDCCL commits to adhere the instruction in totality.</p> <p>In post closure of the mine, the used forest land will be reclaimed biologically & technically and it will be handed over to State Forest Department as per the prescribed norms.</p> <p>WBPDCCL, being a State PSU, is dedicated to compensate any impacts due to diversion of the Forest land as per directions/guidelines of Forest Department.</p>

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED

Corporate Identity No. : U40104WB1985SGC039154

"Bidyut Unnayan Bhaban", Plot No. 3/C, LA-Block, Sector-III, Bidhannagar, Kolkata-700 106

Phone: No. (91) (33) 2335 0581/2339 3204/3294, Fax: (91) (33) 2335 0524 / 2339 3286, Mobile: 9425176555

E-mail : c.goswami@wbpdcl.co.in, Website : www.wbpdcl.co.in



As per order of Hon'ble Supreme Court & Coal Mines (Special Provisions) Ordinance, 2014 Ministry of Coal (MoC) has allocated the 5 nos. of Captive Coal blocks in favour of WBPDCCL through Govt. dispensable route to meet the Coal requirement of its Power Plants situated in State of West Bengal. Barjora(North) Coal Mine (PRC 3MTPA) is one of them allocated to WBPDCCL. (Enclosed Allotment Order as **Annexure-1**).

After reallocation of Barjora(North)Coal Block, WBPDCCL has obtained necessary approvals, clearance and started mining operation in the lease hold area of 260.14 ha Non-Forest land out of total Block area of 800 ha. which includes forest and non-forest land. WBPDCCL started Coal production from May, 2019 in Non-forest area only. The coal reserve in Non-Forest area has almost been exhausted now and for the sustainability of the production and survival of Power Plant, it is utmost necessary to work in the Forest Area for which Mining Plan (2nd Revision) and Mine Closure Plan has been approved by Ministry of Coal, GoI. vide letter no.34011/21/2019-CPAM dated 26th Sept. 2019. Enclosed Mine Plan & Mine Closure Plan approval letter as **Annexure-2**.

Install capacity of WBPDCCL own power plant is 4265 MW for which total annual coal requirement is about 21 MTPA. Schedule of production of Barjora(North)Coal Mine is 3 MTPA as per Approved Mine & Mine Closure Plan.

Since 1st April, 2022 Coal India has stopped Fuel Supply Agreement (FSA) & linkage of coal supply to WBPDCCL. Since the peak rated capacity, i.e 3 MTPA of coal from Barjora(North)Coal mine is not achieved, WBPDCCL compelled to procure coal from other sources at a premium rate causing detrimental impact on power tariff of the state which ultimately put burden in entire citizen of the state.

Allocation of Coal Block is solely decision by Ministry of Coal(MoC) and State does not have any control over it. This may be noted that after allocation of the Coal Block, WBPDCCL has already paid upfront fees Rs.27,80,49,465.00, Bank Guarantee of Rs. 307,50,00,000.00 and deposited Rs. 27,95,00,000.00 in Escrow Account (up to FY 24-25). So, at this stage explore mining in other area in lieu of this project is not feasible.

In view of the above it may be considered that Forest



		<p>Land Proposed for Diversion of Barjora (North) coal mine is unavoidable to meet the Power requirement of the State of West Bengal.</p> <p>Considering all above, WBPDCCL is proposing Diversion of Forest Land (338.74 Ha) in this Coal Block.</p>
ii.	<p>The State needs to examine as to how the other requirements like transportation, electricity etc. would be met. The detail of additional forest land required for the same (if any) shall be intimated.</p>	<p>The diversion of forest area is required for mining purposes only. WBPDCCL has already established all infrastructure facilities such as Electricity Line, Coal Stock Yard and Coal Transportation Route etc. as per requirement in Non-Forest Land.</p> <p>Surface Layout Plan Showing Existing Infrastructures such as Electricity Line and Coal Transportation route, Enclosed as Annexure-3</p> <p>Therefore, additional forest land is not required for purposes of Coal Transportation, Electricity etc.</p>
iii.	<p>The cost benefit analysis has been calculated on old rates of NPV. Therefore, the same may be re-calculated on revised/existing rates and furnished on prescribed format as per the Handbook of guidelines dated 28.03.2019.</p>	<p>Revised cost benefit analysis has been calculated and prepared as per new handbook of guidelines issued on dated 28.03.2019 and uploaded in the Part-I in serial no. G.</p> <p>Revised cost benefit analysis Enclosed as Annexure-4</p>
iv.	<p>The instant proposal has been recommended by the State Government with a condition of the implementation of Comprehensive Wildlife Conservation Plan and Comprehensive Soil Moisture Conservation Plan to mitigate the negative effect on eco-system. But none of the plan/scheme has been uploaded on PARIVESH. Therefore, the plans duly approved by the competent authority towards instant proposal may be uploaded on PARIVESH.</p>	<p>Office of the Divisional Forest Office, Bankura (North) has prepared the Comprehensive Wildlife Conservation Plan and Comprehensive Soil Moisture Conservation Plan and both plans have been approved by Competent Authority.</p> <p>The WBPDCCL being a State PSU, shall abide by the Law and commits to bear any additional cost to be incurred in respect of approved Comprehensive Wildlife Conservation Plan and Comprehensive Soil Moisture Conservation Plan.</p> <p>In this regard, an undertaking is also uploaded in Part-I as additional documents. Annexure-5</p> <p>Approved Comprehensive Wildlife Conservation Plan and Comprehensive Soil Moisture Conservation Plan have been uploaded in Part-II at PARIVESH Portal.</p>
v.	<p>DSS analysis (copy enclosed) revealed that some area between the two forest patches has not been included in the present diversion proposal. Therefore, the KML file of proposed forest diversion needs to be revisited. In case the same is</p>	<p>Two roads in Plot No. 2864 & 2873 passing through the two forest patches are in revenue village namely Manohar, Tehsil- Barjora, District -Bankura (W.B). As per land records those area belongs to Govt. vested land. Therefore, mentioned roads have not been included in the Forest land proposed for diversion.</p> <p>The above-mentioned Plot Nos. 2864 & 2873 are also</p>



	correct, the justification for leaving the area in between the two patches needs submission.	part of the existing mining lease as per schedule received from MoC, GOI. Supporting documents in this regards is enclosed in Annexure-6																																												
vi.	A detailed breakup of the Components proposed to be undertaken in the forest land and non-forest land has not been mentioned in the online Part-I. Therefore, the same needs to be updated online and the components wise KML file shall be submitted.	Detailed component wise KML & breakup of Forest & Non-forest land updated in Part-I at PARIVESH portal is given below. Component Wise breakup of Forest & Non-forest land Enclosed as Annexure-7																																												
		<table border="1"> <thead> <tr> <th>Component</th> <th>Forest Land (ha)</th> <th>Non-Forest land (ha)</th> <th>Total Area (ha)</th> </tr> </thead> <tbody> <tr> <td>Mine Quarry including Back Filling</td> <td>213.51</td> <td>217.81</td> <td>431.32</td> </tr> <tr> <td>Excavated Void</td> <td>105.85</td> <td>72.49</td> <td>178.34</td> </tr> <tr> <td>Top Soil Dump</td> <td>0.72</td> <td>1.09</td> <td>1.81</td> </tr> <tr> <td>Safety Zone</td> <td>3.85</td> <td>4.74</td> <td>8.59</td> </tr> <tr> <td>Nala Diversion</td> <td>7.20</td> <td>4.07</td> <td>11.27</td> </tr> <tr> <td>Road & Infrastructure</td> <td>5.91</td> <td>5.27</td> <td>11.18</td> </tr> <tr> <td>Garland Drain</td> <td>Nil</td> <td>2.25</td> <td>2.25</td> </tr> <tr> <td>Untouched Area/Mining Rights for UG</td> <td>1.05</td> <td>36.58</td> <td>37.63</td> </tr> <tr> <td>Others</td> <td>0.65</td> <td>Nil</td> <td>0.65</td> </tr> <tr> <td>Total</td> <td>338.74</td> <td>344.30</td> <td>683.04</td> </tr> </tbody> </table>	Component	Forest Land (ha)	Non-Forest land (ha)	Total Area (ha)	Mine Quarry including Back Filling	213.51	217.81	431.32	Excavated Void	105.85	72.49	178.34	Top Soil Dump	0.72	1.09	1.81	Safety Zone	3.85	4.74	8.59	Nala Diversion	7.20	4.07	11.27	Road & Infrastructure	5.91	5.27	11.18	Garland Drain	Nil	2.25	2.25	Untouched Area/Mining Rights for UG	1.05	36.58	37.63	Others	0.65	Nil	0.65	Total	338.74	344.30	683.04
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vii.	Satellite imagery shows that the plantation work has been carried out by the State Forest Department in Village Ghutgoria, Survey No 2689 which is proposed for diversion. This needs clarification.	If plantation work was carried out by the Forest department in Village Ghutgoria, Survey No 2689, then WBPDCCL will bear the expenses incurred by forest department upon receive of demand. The undertaking in this respect is attached as Annexure-8																																												
viii.	Satellite imagery shows that a Nala flows through the proposed forest land for diversion. Therefore, comments of the State Govt in this regard shall be submitted.	WBPDCCL will undertake diversion of Tartora Nala as per approved Mine Plan (2 nd Rev.) of Barjora (North) Coal Mine. Relevant Pages of approved Mine Plan is enclosed in Annexure-9 . In this regards, necessary approvals from concern authorities will be obtained if required. The undertaking in this respect is enclosed as Annexure-9 A																																												
ix.	DSS analysis of proposed CA sites (Copy enclosed) revealed the following short comings and therefore the CA areas shall be	Proposed CA areas have been revisited. The short coming as observed have been addressed and submitted as under:																																												



<p>revisited and submitted in accordance with the guidelines issued by this Ministry:</p> <p>a. No. of patches proposed for CA are 53 patches and there are several CA patches which are having an area of less than 5 ha.</p> <p>b. Mining activity is visible in the proposed CA patches located in Village Saharjora Plot No150 & 3138 under Bankura District.</p> <p>c. One CA patch namely Village Singhhagra-773 located under Purulia District is falling in the forest land.</p>	<p>a. CA Patches in the Forest Divisions of Paschim Medinipur, Birbhum, Purulia, Kangsabati North, and Baikunthapur having less than 5 ha area are connected to other proposed CA Land or contiguous to RF/PF. In this respect clarification has been obtained from concerned forest divisions.</p> <p>The CA Land proposed in Birbhum Division (Mouza-Hirapur) has been rejected by Concerned DFO vide letter no.1957/8M dated 30.01.2024.</p> <p>Therefore, additional CA Land has been identified and suitability of an area 3.63 ha in Mouza -Anandapur, District-Bankura has been obtained from DFO, Bankura(N)division vide letter no.169/8 dated 25.01. 2024.Toposheet, Digital Map and KML file has been uploaded in Part-I.</p> <p>b. No mining activity has been carried out in Village Saharjora Plot No150 & 3138 under Bankura. District. However, some top soil has been removed by locals for their own use. In the CA Scheme proposal, the above issue will be addressed for preparation of land for plantation etc. and cost will be borne by WBPDCCL.</p> <p>The undertaking in this respect is enclosed as Annexure-10</p> <p>c. Proposed CA Land belongs to Govt Land as per clarification received from ADM & DL & LRO, Purulia (Copy Enclosed). In respect of Village Singhhagra-773 located under Purulia District.</p> <p>Further, as per MoEF&CC guideline File No: F.No. 11-423/2011-FC issued in April 2019, if 1000 trees can't be planted on the proposed CA land, WBPDCCL will pay the amount towards balance tree plantation on the degraded forest land.</p> <p>The undertaking in this respect is attached as annexure-11</p>
<p>viii. There is slight variation in proposed CA area (340.36 ha.) and suitability certificates (341.443 ha.) furnished by the State. It shall be ensured that the site suitability certificates are correctly given for the proposed CA areas.</p>	<p>Fresh Availability & Suitability Certificate from concerned dept. has been received and Division wise CA Land Details has been uploaded in Part-I.</p> <p>Now, the forest land proposed for diversion is 338.74 ha wherein Suitability along with availability for CA purpose has been obtained for an area of 338.84 Ha.</p> <p>District & division wise CA land Suitability Details and Suitability Certificates are enclosed as Annexure-12.</p>



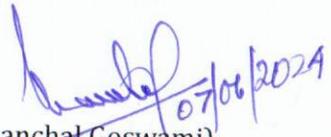
<p>ix.</p>	<p>Satellite imagery shows that the Mining activity is going on in adjacent to the forest land proposed for diversion. Historical imagery indicates that the mine is working before the year 2014. As per the DSS, the present mine is working on the Non-Forest land. In this regard, State Govt. may clarify as to whether it is part of the same mining lease or it is a separate mining lease. The detail of approvals shall also be provided.</p>	<p>Barjora (North) Coal Block was earlier allocated to M/s DVC EMTA Coal Mines Ltd. Mining activity in Non-forest land of the block started in Jan, 2011 and production of coal continued till 31st March, 2015.</p> <p>Thereafter by order of Hon'ble Supreme Court the Coal Block was deallocated and reallocated by GoI to WBPDCCL vide letter no:103/07/2015/NA dated 31.03.2015 as per Coal Mines (Special Provisions) Ordinance,2014 with a provision of end use of coal for its Power Plants situated in West Bengal.</p> <p>After reallocation of Coal Block, WBPDCCL has obtained necessary approvals and started mining operation in 260.14 Ha in Non-Forest land. Mining Lease obtained by DVC EMTA has been transferred in favour of WBPDCCL by GoI. Hence working is continued in same Mining Lease Area in non-forest land.</p> <p>Details Chronology of Mining Lease both Non-forest & Forest land as well others requisite permissions are enclosed as Annexure-13.</p>
<p>x.</p>	<p>Moreover, it has been mentioned that the erstwhile user agency had also carried out some work in the mining lease. A detailed report in this regard along with the time period of mining and requisite approvals shall be submitted.</p>	<p>Barjora (North) Coal Block was earlier allocated to M/s DVC EMTA Coal Mines Ltd. Mining activity in Non-forest land of the block started in Jan, 2011 and production of coal continued till 31st March, 2015.</p> <p>Thereafter by order of Hon'ble Supreme Court the Coal Block was deallocated and reallocated by GoI to WBPDCCL vide letter no:103/07/2015/NA dated 31.03.2015 as per Coal Mines (Special Provisions) Ordinance,2014 with a provision of end use of coal for its Power Plants situated in the State of West Bengal.</p> <p>After reallocation of Coal Block, WBPDCCL has obtained necessary approvals and started mining operation in 260.14 Ha in Non-Forest land. Mining Lease obtained by DVC EMTA has been transferred in favour of WBPDCCL by GoI. Hence working is continued in same Mining Lease area in non-forest land.</p> <p>Details Chronology of Mining Lease both Non-forest & Forest land as well others requisite permissions are enclosed as Annexure-13.</p>
<p>xi.</p>	<p>In the component wise break-up, an area of 14.17 ha. (Other use), 11.18 (infrastructure area) and 37.63 ha (undisturbed area) forest land have been proposed and no breakup for the same has been given. Therefore, the details of each</p>	<p>Component wise break-up of the area of 14.17 ha. (Other use), 11.18 (road & infrastructure area) and 37.63 ha (undisturbed area) which falls under forest land and non-forest land has been prepared with justification as per Approved 2nd Revision Mine Plan & Mine Closure Plan is enclosed as Annexure-7</p>



	component involved in the said area with justification may be provided.	
xii.	The detailed component wise break-up of forest land and non-forest land involved in instant lease is not available on PARIVESH. Therefore, the same may be uploaded.	Detailed component wise break-up of Forest and Non-Forest Land as per Approved 2 nd Revision Mine Plan & Mine Closure Plan has been uploaded on PARIVESH Portal & is enclosed as Annexure-7
xiii.	A chronology of the mining lease both on forest and non-forest land along with the detail of requisite permissions along with documentary evidences shall be submitted.	Chronology of the mining lease & details of other requisite permissions are enclosed as Annexure-13

Thanking you

Yours faithfully


(Chanchal Goswami)
Director (Mining)
CHANCHAL GOSWAMI
DIRECTOR (MINING)
&
OWNER OF THE MINE
WBPDCCL

Copy for kind information to:

1. Addl. PCCF & Nodal Officer Govt. of West Bengal, Aranya Bhawan, Kolkata.
2. Chief Conservator of Forest, FCA, Govt. of West Bengal, Aranya Bhawan, Kolkata.
3. Chief Conservator of Forest, Central Circle, Durgapur, West Bengal.

Government of India
Ministry of Coal
O/o the Nominated Authority

World Trade Tower, New Delhi

Office of the nominated authority constituted under section 6 of the Coal Mines (Special Provisions) Second Ordinance, 2014.

Allotment order under clause (c) of sub-rule (2) of rule 7 and sub-rule (1) of rule 13

In re: **Barjora (North) Coal Mine** (the "mine") particulars of which is specified in **Annexure 1**

Order no.: 103/7/2015/NA

Date: March 31, 2015

In favour of: **The West Bengal Power Development Corporation Limited** incorporated in India under the Companies Act, 1956 with corporate identity number U40104WB1985SGC039154, whose registered office is at 3/C, LA-Block, Sector-III, Salt Lake, Kolkata, West Bengal - 700098, India (the "Allottee")

For utilisation in: End Use Plant situated at (i) Santaldih, Purulia, West Bengal – 723146; (ii) Mecheda, Medinipur, West Bengal – 721137; (iii) Birbhum, West Bengal – 712503; (iv) Tribeni, Hooghly, West Bengal – 712503; (v) Manigram, Murshidabad, West Bengal – 742237 as more particularly described below (the "End Use Plant")

S.No.	Name of Specified End Use Plant	Address	Configuration	Capacity
1	Santaldih TPS	Santaldih, Purulia, West Bengal- 723146	2 x 250 MW	500MW
2	Kolaghat TPS	Mecheda, Medinipur, West Bengal-721137	6 X 210 MW	1260MW
3	Bakreswar TPP	Birbhum, West Bengal- 712503	5 X 210 MW	1050MW
4	Bandel PS,	Tribeni, Hooghly, West Bengal- 712503	4 X 60 MW 1 X 210 MW	450MW
5	Sagardihi TPP Unit 1 & 2	PO-Manigram, Distt.- Murshidabad, West Bengal-742237	2 X 300 MW	600MW
6	Sagardihi TPP Unit 3 & 4	PO-Manigram, Distt.- Murshidabad, West Bengal-742237	2 X 500 MW	1000MW

*MW stands for Mega Watt

Section 1

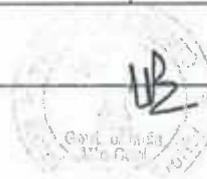


हिटलर सिंह / HTLA R SINGH
अवर सचिव / Ultra Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

[This document contains Section I - Section VII]



RQP Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009



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WHEREAS, the nominated authority has, in accordance with the provisions the Coal Mines (Special Provisions) Second Ordinance, 2014 (the "Ordinance") and the Coal Mines (Special Provisions) Rules 2014 (the "rules") conducted the allotment of the relevant Schedule I coal mine;

AND WHEREAS the allottee is eligible to receive this allotment order with respect to the mine, including, inter-alia -

- (a) the coal bearing land acquired by the prior allottee and the lands, in or adjacent to the coal mines used for coal mining operations acquired by the prior allottee; and
- (b) any existing mine infrastructure as defined in clause (j) of sub-section(1) of section 3 of the Ordinance;

AND WHEREAS the Allottee has furnished an undertaking dated March 28, 2015 to furnish performance bank guarantee, upfront payment and fixed amount within April 25, 2015 failing which the Allotment Order shall be terminated in accordance with the Allotment Agreement;

AND WHEREAS the allottee has entered into an Allotment Agreement dated March 26, 2015 with the nominated authority in accordance with the provisions of sub-rule (5) of rule 13.

NOW, THE NOMINATED AUTHORITY DOES ORDER:

1. On and from April 1, 2015 ("allotment date") and in accordance with sub-section (4) of section 8 read with sub-section (12) section 8 of the Ordinance, with respect to the mine, the following shall stand fully and absolutely transferred and vested in the allottee, namely: -
 - (a) all the rights, title and interest of the prior allottee in and over the land and mine infrastructure free from all encumbrances;
 - (b) entitlement to a mining lease to be granted by the State Government with the terms and conditions of Allotment Agreement forming a part of it on making an application;
 - (c) all statutory licences, permits, permissions, approvals or consents as per rules, required to undertake coal mining operations in the mine, if already issued by the Central Government, to the prior allottee on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 2**;
 - (d) entitlement to any statutory licence, permit, permission, approval or consent required to undertake coal mining operations in the mine, if already issued by the Central Government, to the prior allottee on making an application on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 3**;
 - (e) entitlement to any statutory licence, permit, permission, approval or consent required to undertake coal mining operations in the mine, if already issued by the State Government, to the prior allottee on making an application on the

Section 1


HITLAR SINGH / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

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Reg No 34011/(50)/2009-CPA.
Dt 07 10 2009

same terms and conditions as were applicable to the prior allottee, as listed in the Annexure 4;

- (f) rights appurtenant to the approved mining plan of the prior allottee;
 - (g) any subsisting contract in relation to coal mining operations, to which the prior allottee was a party and which is assumed, adopted and continued by the Allottee and listed in the Annexure 5 shall stand novated (by virtue of a deemed consent from the relevant party(ies)), in accordance with the provisions of sub-section (1) of section 11 of the Ordinance in favour of the allottee for the residual term or residual performance of such contract;
2. The Allottee may seek any change in the terms and conditions attached to such licence, permit, permission, approval or consent by making an application in accordance with applicable laws;
 3. Hereinafter, the Allottee shall be entitled to take possession of the mine as specified in Annexure-I without let or hindrance;
 3. This allotment order is liable to be cancelled in accordance with the provisions of sub-rule (6) of rule 13.

Vivek Bhargava

(By the nominated authority)



Section I

[This document contains Section I - Section VI]

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हिटलर सिंह / HITLAR SINGH
अपर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

AP Singh
RQP Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

Annexure 2: Particulars of statutory licences, permits, permissions, approvals or consents issued by the Central Government which are being transferred along with this Allotment order.

S.No	Statutory Clearance	Ministry	Letter No.	Date
1.	Approval of Mining Plan	Ministry of Coal	47011/4/2003-CA-I	24.08.2006
2.	Mining Lease – Administrative Approval of the Central Government under Section 5 (1) and/ or Section 6 (1) of MMDR Act, 1957	Ministry of Coal	47011/4/2003-CPAM-CA-I	31.10.2008

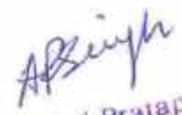

 हिटलर सिंह / HITLAR SINGH
 अवर सचिव / Under Secretary
 कोयला मंत्रालय / Ministry of Coal
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 शास्त्री भवन / Shastri Bhawan
 नई दिल्ली / New Delhi


 RQP Abhai Pratap Singh
 Reg No 34011/(50)/2009-Cr.A.
 Dt 07 10 2009

Annexure 3: Particulars of statutory licences, permits, permissions, approvals or consents issued by the Central Government to be obtained on application by the Allottee.

S.No	Statutory Clearance	Ministry/ Agency	Letter No.	Date
1.	Environment Clearance	Ministry of Environment and Forests	J-11015/312/2007-1A.II(M)	13.03.2008
2.	Forest Clearance -- Stage 1 and Stage 2	Ministry of Environment and Forests		
3.	Mine opening permission	Ministry of Coal -- CCO	CC/Tech/Opn.Perm./Barjora (North)/DVC EMTA/10-11	25.01.2011
4.	Permission from DGMS for Mine Opening Notice in Form I regarding opening of mine under CMR, 1957	Ministry of Labour -- DGMS	S-2/29020/9/2010/RN2(EZ)/Barjora/1602	20.12.2010
5.	Permission of installation/ Trial Operation of Equipments	Ministry of Labour -- DGMS		
6.	Ground water clearance	Ministry of Environment and Forests -- Central Ground Water Board		
7.	Railway Siding Approvals	Ministry of Railway		
8.	Explosive Licenses	Ministry of Commerce, DIPP		
9.	Diesel Storage Tank	Ministry of Commerce, DIPP		
10.	(Any Other Clearance)			


 हिटलर सिंह / HITLAR SINGH
 ज्येष्ठ सचिव / Jyestha Secretary
 कोयला विभाग / Ministry of Coal
 भारत सरकार / Govt. of India
 शाही भवन / Shaahi Bhawan
 नई दिल्ली / New Delhi


 RQP- Abhai Pratap Singh
 Reg No 34011/(50)/2009-CPAM
 Dt 07 10 2009

Annexure 4: Particulars of statutory licences, permits, permissions, approvals or consents issued by the State Government to be obtained on application by the Allottee.

S.No	Statutory Clearance	Ministry/ Agency	Letter No.	Date
1.	Consent to establish	State Pollution Control Board	466-2N-255/2006(E)	03.03.2010
2.	Project Import Benefit	State Mineral Resource Department		
3.	Grant of Mining Lease	State Government	230- CI/O/Coal/38/07/MI	07.04.2010
4.	Land Mutation	State Government		
5.	Power Line from State Electricity Board	State Electricity Board		
6.	(Any Other Clearance)			


हिटलर सिंह / HITLAR SINGH
 अवर सचिव / Under Secretary
 कोयला मंत्रालय / Ministry of Coal
 शास्त्री भवन / Shastri Bhawan
 नई दिल्ली / New Delhi


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 Dt 07 10 2009



Annexure 5: Particulars of the contracts adopted by the Allottee.

The Allottee does not intend to adopt and continue with any of the contracts of the Prior Allottee.


HITLAR SINGH
Under Secretary
Ministry of Coal
Government of India
Jhansi Bhawan
New Delhi

Abhai Singh
RQP Abhai Pratap Singh
Reg No 34.11/(50)/2009-CPAM
Dt 07 10 2009

Annexures

Annexure 1: Particulars of the mine

Part A – Description of the mine

Coal Mine	Barjora (North)
Latitude	From 23°25'55" to 23°27'42" N
Longitude	From 87°13'48" to 87°15'36" E
Coalfield	Barjora
Villages	Hidurdanga, Salbona, Baguli, Manohar, Basti, Loharabani
District	Bankura
State	West Bengal




 हिटलर सिंह / HITLAR SINGH
 अवर सचिव / Under Secretary
 कोयला मंत्रालय / Ministry of Coal
 भारत सरकार / Govt. of India
 शास्त्री भवन / Shastri Bhawan
 नई दिल्ली / New Delhi

APSingh
 RQP Abhai Pratap Singh
 Reg No 34011/(50)/2009-CPAM
 Dt 07 10 2009

No.34011/21/2019-CPAM
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi.
New Delhi, the 26th September, 2019

To
M/s West Bengal Power Development Corporation Limited
Bidyut Unnayan Bhaban, 3/C, Block-LA,
Sector III Bidhannagar
Kolkata -700098
e-mail: a.kumar@wbpdcl.co.in

Subject: Mine Plan and Mine Closure Plan (2nd Revision) for Barjora (North) Coal Mine of West Bengal Power Generation Development Corporation Limited-reg.

Sir,

I am directed to refer to your letter no. WBPDC/Director (Mining)/680 dated 09-07-2019 for approval of Mining Plan (including Mine Closure Plan)(Revision-2) for Barjora North Mine for approval of the Central Government and to state that the Mining Plan (including Mine Closure Plan)(Revision-2) for Barjora North Mine of M/s West Bengal Power Development Corporation Limited located in Barjora Coalfield, Distt - Bankura, State- West Bengal to be read along with company's letter No. WBPDC/Director (Mining)/734 Dated 18.09.2019 has been considered and the approval of the Central Government thereon is hereby conveyed under Section 5(2)(b) of the Mines & Minerals (Development & Regulation) Act, 1957 subject to the following conditions:-

- I. The approval of this Mining Plan shall not result in changes in the terms and conditions as well as efficiency parameter mentioned in the CMDPA/Allotment agreement signed at the time of allotment/vesting;
- II. The Mining Company shall ensure to get the area on the eastern side explored to rule out the occurrence of coal within a period of 3 years of approval of this mining plan, till than no dumping in the area under reference should be done, which may, in any way, sterilize the extractable coal reserve. In case, occurrence of coal is established the project proponent shall come up with revised mining plan for liquidation of the aforesaid reserve;
- III. The mining company shall ensure to get clearance from the competent/prescribed authority before taking up the nala diversion of the Nala;
- IV. The Project Proponent shall take all necessary precautions regarding safety of mine workings and persons deployed therein;
- V. Mining lease of this block shall not encroach into any other adjacent coal block;

VI.The cost of abandonment for carrying out the closure activities envisaged in the Mine closure plan is indicative; the actual cost for carrying out the activities at the time of final closure may be higher. The actual cost of abandonment will have to be borne by the project proponent for carrying out the closure activities.

VII.The approval of the Mining Plan (Including Mine Closure Plan) is without prejudice to the requirement of approvals from competent /prescribed authority under the relevant rules/ regulations etc;

Two copies of the approved mining plan duly signed by the competent authority are returned herewith with the request that a copy of the approved mining plan may be submitted to the concerned State Government for necessary action and also a photocopy of the approved mining plan may be sent to the Coal Controller for monitoring the block.

Encl: As above.

Yours Faithfully



(Hitlar Singh)

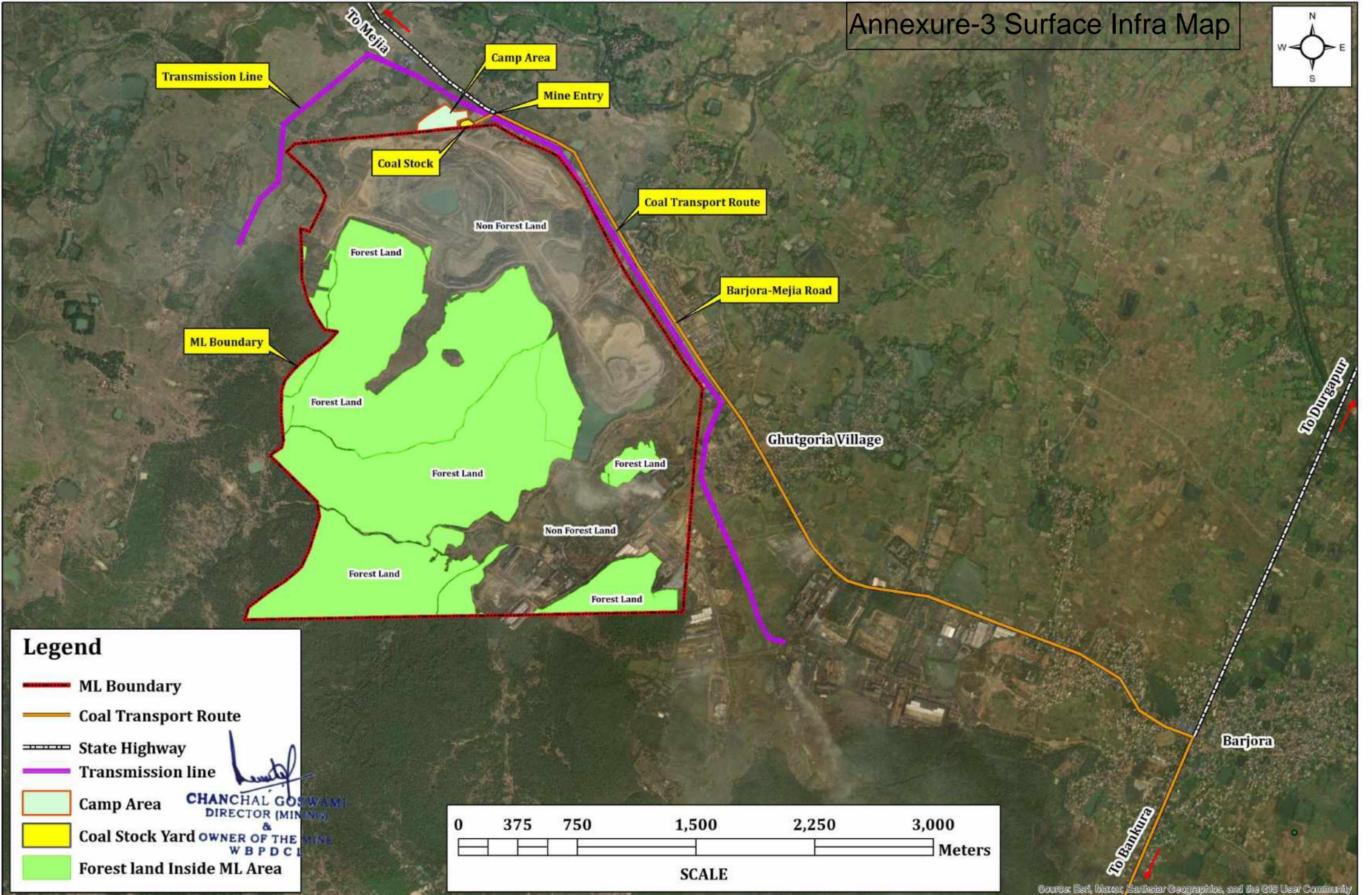
Under Secretary to the Govt. of India.

Copy:-

- I. Chief Secretary, West Bengal
- II. Nominated Authority, MoC
- III. Coal Controller, West Bengal.
- IV. Under Secretary, CBA-II Section with a copy of Approved Mining Plan.
- V. Section Officer, Nominated Authority, MoC.

Map Showing Existing Infrastructure of Barjora (North) Coal Mine Project (Proposal No.:FP/WB/MIN/43000/2019)

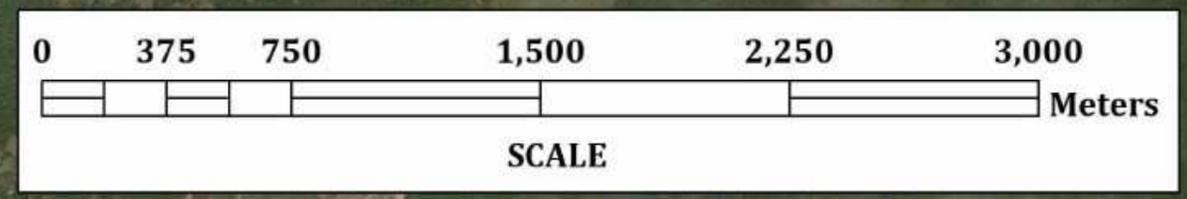
Annexure-3 Surface Infra Map



Legend

- ML Boundary
- Coal Transport Route
- State Highway
- Transmission line
- Camp Area
- Coal Stock Yard
- Forest land Inside ML Area


CHANCHAL GOSWAMI
 DIRECTOR (MINING)
 &
 OWNER OF THE MINE
 WBPDCI



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

COST BENEFIT ANALYSIS

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No. : FP/WB/MIN/43000/2019

Date of Proposal: 04/12/2019

Forest Land Proposed for Diversion: 338.74 Hectare

CATEGORY OF PROPOSAL FOR WHICH COST- BENEFIT ANALYSIS IS APPLICABLE			
Sr.No	NATURE OF PROPOSAL	APPLICABLE/ NOT APPLICABLE	REMARKS
1	All categories of proposals involving forest land up to 20 hectares in plains and up to 5 hectares in hills	NOT APPLICABLE	Nil
2	Proposal for defense installation purpose and soil prospecting (prospecting only)	NOT APPLICABLE	Nil
3	Habitation, establishment of industrial unit, tourist lodges/ complex and other building construction	NOT APPLICABLE	Nil
4	all other proposals involving forest land more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydel projects, mining activity, railway lines, location specific installation like micro-wave stations, auto-repeater centres, TV towers etc.	APPLICABLE	Cost Benefit Analysis is applicable for the Project as Forest land Proposed for Diversion is more than 20 ha.


CHANCHAL GOSWAMI
 DIRECTOR (MINING)
 &
 OWNER OF THE MINE
 W B P D C L

7	Habitat Fragmentation Cost	while the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV application as a thumb rule.	Habitat Fragmentation Cost is 50 % of NPV = Rs. 2080.8629 lac
8	compensatory afforestation and soil & moisture conservation cost	The actual cost of CA and soil & moisture conservation and its maintenance in future at present discount value	Rs. 3005.8856 lac (CA cost is = Rs. 2227.5434 lac & SMC Cost = Rs. 778.3422 lac)
9	Cost of the project	As per guidelines	Cost of the project is Rs. 91858.00 Lacs
Total Cost			102771.165 Lacs

TABLE - C :-Existing guidelines for estimating benefits of forest - diversion in CBA

S. NO.	PARAMETERS	Given Guideline	Evaluation
1	Increase in productivity attributable to the specific Project	To be quantified & expressed in monetary terms avoiding double counting	Net benefit accrued to the economy due to the Proposed Activities in the Forest land proposed for diversion over 15 years shall be : Coal worth in Project Area – 60.24 MT x Rs.1300(per tonne Coal value) = Rs 783120 Lacs
2	Benefits of economy due to the specific project	The incremental economic benefit in monetary terms due to the activities attributed to the specified project	
3	Number of populations benefited due to specific project	As per detailed project report	Approx 54 million tonne coal will be produced from Forest area, which will produce 160000 MU of electricity and it will be utilized in the state including local populations.
4	Employment benefits due to of direct and indirect employment due to the project	As per detailed project report	500 employment will be generated: employment for 500 Persons @ Rs. 3,00000/- (average annual income) for a period of 15 years = Rs. 15 X 300000 X 500 = Rs. 22500 Lacs
5	Economic benefits due to compensatory afforestation	Benefit from such compensatory forestation accruing over next 50 year monetized and discounted to the present value should be included as benefits of CA	Wildlife Conservation Plan Costing = Rs. 8431 Lacs


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Cost			Benefit		
S.N	Parameter	Amount (in Lacs)	Sr.No.	Parameter	Amount (in Lacs)
1	Ecosystem services losses due to proposed forest diversion	4161.7258	1	Benefits to economy	783120
2	Loss of animal husbandary productivity including loss of fodder	416.1726	2	Economic benefit due to employment	22500
3	possession value of forest land diverted	1248.5177	3	Wildlife Conservation	8431
4	Habitat Fragmentation Cost	2080.8629			
5	compensatory afforestation and soil & moisture conservation cost	3005.8856			
6	Cost of the project	91858			
	Total Cost	102771.165		Total Benefit	814051

Cost Benefit Ratio: Total Benefit/Total Cost = 814051/ 102771.165 = 7.921

The Benefit Cost ratio is > 1, the project is found viable on given/above described criteria

Chanchal 08/02/2024
CHANCHAL GOSWAMI
 DIRECTOR (MINING)
 &
 OWNER OF THE MINE
 W B P D C L

Place: Kolkata
 Date: 08/02/2024

Seal & Signature of User Agency



ANNEXURE-5

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No. : FP/WB/MIN/43000/2019

Date of Proposal: 04/12/2019

Forest Land Proposed for Diversion: 338.74 Hectare

UNDERTAKING

(FOR PAYMENT OF LUMP SUM AMOUNT OF WILDLIFE CONSERVATION PLAN AS WELL AS SOIL MOISTURE CONSERVATION PLAN)

West Bengal Power Development Corporation Limited, Kolkata, the user agency, is hereby undertakes that, WBPDCCL commits to pay the Lump Sum amount i.e. 2% & 0.5% of the project cost as per MoEF & CC circular dated 7th June 2023 towards implementation of Comprehensive Wildlife Conservation Plan and Comprehensive Soil Moisture Conservation Plan respectively as a part of compliance of the condition if of delay occurs in approval of the said plans.

The WBPDCCL being a State PSU, shall abide by the Law and commits to bear any additional cost to be incurred in respect of approved Wildlife Management Plan as well as SMC Plan in connection with **"Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited"**.

Place : Kolkata
Date :08.02.2024

(Chanchal Goswami)
Director(Mining)

CHANCHAL GOSWAMI
DIRECTOR (MINING)
&
OWNER OF THE MINE
W B P D C L

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED

Corporate Identity No. : U40104WB1985SGC039154

"Bidyut Unnayan Bhaban", Plot No. 3/C, LA-Block, Sector-III, Bidhannagar, Kolkata-700 106

Phone: No. (91) (33) 2335 0581/2339 3204/3294, Fax: (91) (33) 2335 0524 / 2339 3286, Mobile: 9425176555

E-mail : c.goswami@wbpdcl.co.in, Website : www.wbpdcl.co.in

PLOT SCHEDULE OF THE AREA FOR MINING LEASE FOR COAL IN RESPECT OF BARJORA (NORTH) COAL MINE, P.S. BARJORA, DIST. BANKURA OF THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED.

Table with 5 columns: Sl No., Mouza, J. L. No., Plot Nos. [R.S. NO.], Area in Acres. It lists 4 plots: 1. Tikargram (4.19 acres), 2. Saharjora (5.39 acres), 3. Ghutgoria (71.55 acres), and 4. Manohar (282.66 acres). Plot 4 includes a list of plot numbers and specific numbers like 2864 and 2873.

S. S. Sen Director (O & M) Owner of the Mine WBPDCCL

Handwritten signature of Ajit Kr. Mandal

Ajit Kr. Mandal, WBSS Deputy Secretary Commerce & Industries Department Govt. of West Bengal

Handwritten signature of RQP-Abhai Pratap Singh

RQP-Abhai Pratap Singh Reg No 34011/(50)/2009-CPAN Dt 07 10 2009

HITLAR SINGH / HITLAR SINGH Under Secretary Ministry of Coal Govt. of India Shastri Bhawan New Delhi



Additional Registrar of Assurance-
Kolkata

3 DEC 2009


हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi


RQP Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

			2531, 2537, 2555, 2625, 2628, 2633, 2627, 2699, 2700, 2710, 2678, 2705/ 2870, 2753, 2754, 2759, 2761, 2763, 2764, 2766, 2767, 2769, 2778, 2782, 2790- 2794, 2798, 2823, 2830, 2836, 2837, 2842, 2843, 2844, 2852, 2855, 2752/ 3089 & 2874 [L.R. No.3144, 3145, 3146, 3147, 3148, 3149, 3150(0.03), 3151(0.12), 3152(0.14), 3153 (0.44)] 2708, 2709.	
5.	Baguli	10	744(P), 746(P), 749(P)- 751(P), 753(P)- 757(P), 758-1149, 1150(P), 1151(P), 1152, 1153(P) - 1156(P), 1159(P), 1160-1179, 1180(P), 1181-1187, 1188(P), 1189(P), 1198(P) - 1200(P), 1203(P), 1204-1210, 1211(P), 1212(P), 1231(P), 1232(P), 1233(P), 1244(P), 1245-1248, 1249(P), 1250, 1251(P), 1252(P), 1256(P), 1270(P), 1233/ 1834(P), 1237/ 1835, 1134/1882, 1133/ 1881, 807/ 1850, 873/ 1851, 899/1852, 956/ 1853, 1033/ 1854, 1063/ 1855, 1063/ 1856, 1064/ 1857, 1064/ 1858, 1112/ 1859,	72.34
6.	Barapukhuria	9	1-115, 116(P), 117(P), 118-155, 156(P), 157-161, 162(P), 163(P), 164, 165(P), 166(P), 167, 187(P), 188-229, 230(P)-232(P), 234(P), 235-274, 275(P), 282(P), 286(P)-290(P), 291-293, 294(P), 295-362, 363(P)-366(P), 367-493, 494(P), 495-502, 503(P), 516(P), 517(P), 519-526, 527(P), 528(P), 531(P)-533(P), 78/609, 131/610, 129/611, 128/612, 187/613, 405/614, 406/615, 528/616(P), 453/617, 6/618, 6/619, 14/620, 21/621, 33/622, 61/623, 61/624, 74/625, 74/626, 120/627, 120/628, 150/629, 153/630, 153/631, 157/632, 159/633, 195/634, 459/635(P), 150/637, 150/638, 150/639, 32/641, 195/642, 254/643, 341/644, 460/645, 254/647, 254/658, 497/649, 497/650, 497/651, 497/652, 497/653, 430/654, 460/655, 460/655, 460/656, 2/657, 2/658.	206.43
			Total:	642.56 acre
			Total Non Forest Area (Rayati + Vested)	= 260.14 Ha

Application made for Mining Lease: 663.00 Ha.

Less (a) For adjustment of industrial (WBI/DCL) area of 49.47 Ha and
(b) For Forest Land of 28.00 Ha

Remaining Area for Mining Lease: 585.53 Ha

Forest Land within Mining Area: 325.39 Ha.

Non Forest Rayatee and Vested Land: 260.14 Ha

- Attached Annexure "B" [Less area of W.B.I.D.C.L Land]

S. Singh
Sgt. Director of Mines
&
Owner of the Mine
WBPDCL

Ajit Kr. Mandal, WBSS
Deputy Secretary
Commerce & Industries Department
Govt. of West Bengal

हिलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कायला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastrri Bhawan
नई दिल्ली / New Delhi

AP Singh
RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

Annexure-7

COMPONENT WISE BREAKUP OF FOREST & NON FOREST LAND

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.						
Proposal No. : FP/WB/MIN/43000/2019						
Date of Proposal: 04/12/2019						
Forest Land Proposed for Diversion: 338.74 Hectare						
As Per 2nd Revision Mine Plan (Forest+Non Forest)Area			Forest Area		Non -Forest Area	
SL.No.	Components	Area (Ha)	Components	Area (Ha)	Components	Area (Ha)
1	Backfilled Area	431.32	Backfilled Area	213.51	Backfilled Area	217.81
2	Excavated Void	178.34	Excavated Void	105.85	Excavated Void	72.49
3	Top Soil Dump	1.81	Top Soil Dump	0.72	Top Soil Dump	1.09
4	Safety Zonne	8.59	Safety Zonne /Rationalization Area	3.85	Safety Zonne /Rationalization Area	4.74
5	Nala Diversion /Below river/Cannel	11.27	Nala Diversion /Below river/Cannel	7.20	Diversion /Below rever/Cannel	4.07
6	Road & Infra	11.18	Road & Infra	5.91	Road & Infra	5.27
7	Garland Drain	2.25	Garland Drain	0.00	Garland Drain	2.25
8	Untouched Area/Mining Rights for UG	37.63	Untouched Area/Mining Rights for UG	1.05	Untouched Area/Mining Rights for UG	36.58
9	Others	0.65	Others	0.65	Others	0.00
Total		683.04		338.74		344.30
			Total(Forest+Non Forest Area)		683.04	


CHANCHAL GOSWAMI
 DIRECTOR (MINING)
 &
 OWNER OF THE MINE
 W B P D C L



Table No. 13.5
Land Utilisation Pattern in pre-mining, during mining and post closure of Barjora North Coal Mine.

	Pre Mining Land Use "ha"	Type	Land Use during Mining	land use (End of Life)	Land Use (Post Closure)					Total	
					Agricultural Land	Plantation	Water Body	Public/ Company Use	Forest Land (Returned)		Undisturbed
Tenancy	Agricultural	Excavation Area	609.66	-							
	Township	Backfilled Area	-	431.32	95.07	100.02	-		216.23		431.32
	Crazing	Excavated Void	-	178.34			75.82		102.52		178.34
	Barren	Without Plantation	-	-							0
	Water Body	Top Soil Dump.	1.81	1.81		1.81	-				1.81
	Road	External Dump.	-	-							0
	Community	Safety Zone/ Rationalisation Area.	8.59	8.59		8.59					8.59
	Inhabitated	Road Diversion.	0	0							0
	Village	Diversion/ Below River / Nala / Canal.	11.27	11.27				11.27			11.27
Govt. Non Forest	Agricultural	Road & Infrastructure area.	11.18	11.18		9.15		2.00			11.18
	Township	Garland Drains.	2.25	2.25				2.25			2.25
	Grazing/ Others	Embankment.	0	0							0
	Road	Green Belt.	-	-							0
	Water Body	Water Reservoir Near Pit/ Water Body.	5.585	-							0
Forest	Others.	UG Entry.	-	-							0
	Reserve Protected	Pit Head Power Plant Resettlement.	-	-							0
	CJBJ	Undisturbed / Mining Rights for UG.	37.63	37.63						37.63	37.63
Free Field		Others (Magazine, ETP, Access Trench etc.)	0.65	0.65				0.65			0.65
Total =	683.044		683.04	683.04	95.07	119.60	75.82	16.17	338.75	37.63	683.04

RQP: Abhai Pratap Singh
RQP. (No. 34011/(50)/2009-CPAM;
Dt. 07.10.2009).

RQP: Abhai Pratap Singh
Reg No. 34011/(50)/2009-CPAM,
Dt. 07.10.2009

10/10
HITLAR SINGH / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला विभाग / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi



ANNEXURE-8

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No. : FP/WB/MIN/43000/2019

Date of Proposal: 04/12/2019

Forest Land Proposed for Diversion: 338.74 Hectare

UNDERTAKING

(TO BEAR THE EXPENSES INCURRED BY FOREST DEPARTMENT FOR PLANTATION)

West Bengal Power Development Corporation Limited, Kolkata, the user agency, is hereby undertakes that, if plantation work was carried out by the Forest department in Village Ghutgoria, Survey No 2689, then WBPDCCL will bear the expenses incurred by forest department upon receive of demand in connection with **"Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited"**.

Place : Kolkata

Date :08.02.2024

(Chanchal Goswami)
Director(Mining)

CHANCHAL GOSWAMI
DIRECTOR (MINING)

&
OWNER OF THE MINE
W B P D C C L



Chapter-5-Mining

will be 187.85 ha of mined out areas. The stage plan at the end of 15th Year is furnished in **Plate No. XIII D.**

15th Year of Mine Operation:

The mine will progress towards more south and almost cover the central part of the block. The total disturbed area at the end of this stage will be around 335.83 ha. Floor of Seam-I will be continued to maintain as quarry floor and the deepest part of the quarry will be at (-) 10 m RL. Both the backfilled dumping areas will be merged together to form a single dumping ground. Total backfilled dump area will be around 109.30 ha. Central Haul road will be pushed towards southward direction and it will terminate near the Infrastructure area at the coal stock yard. Diversion of TartoraNala is expected to be completed between 10th to 15th Year. At the end of 15th Year stage, TartoraNala will be shifted completely. Almost all the seams partially will be intersected in this period. Top soil spreading will commence in the northern patch of the merged dump. A water sump covering an area of 5.14 ha will be formed in between the two dumps.

The stage plan at the end of 15th Year is furnished in **Plate No. XIII E.**

20th Year of Mine Operation:

The mining operation at this level will reach to its southernmost extension. The southern limit will be defined by the safety barrier of the diverted nala at a distance of 15 meter from the bank. Central haul road will be extended till the southernmost tip of the mine. The establishment section in the southern part of the proposed lease boundary needs to be vacated by this period. Depth of mining will follow the floor of Seam-I and will be limited to (-) 15 m RL. Besides the merged dump in the previous stage, two more dumps of 62.45 ha and 50.45 ha respectively will be created in either side of the central haul road. Height of both the dumps will remain below the base level, however will not raise above the average ground level. Water sump will remain intact at this level and will be utilized as mine water arrestor.

The stage plan at the end of 20th Year is furnished in **Plate No. XIII F.**

RQP: Abhai Pratap Singh
RQP. (No. 34011/(50)/2009-CPAM;
Dt. 07.10.2009).

Ch-5 Page 15 of 22

RQP: Abhai Pratap Singh
 Reg No. 34011/(50)/2009-CPAM.
 Dt. 07.10.2009

हिटलर सिंह / HITLAR SINGH
 अवर सचिव / Under Secretary
 भिद्यला मंत्रालय / Ministry of Coal
 भारत सरकार / Govt. of India
 शास्त्री भवन / Shastri Bhawan
 नई दिल्ली / New Delhi



HITLAR SINGH / HITLAR SINGH
 Under Secretary / Under Secretary
 Coal Block / Ministry of Coal
 भारत सरकार / Govt. of India
 भारतीय शक्ति / Shakti Bhawan
 शास्त्री भवन / New Delhi

INDEX

Sl. No.	DESCRIPTION	SYM.
1.	BLOCK BOUNDARY	
2.	ML BOUNDARY (883.04 ha)	
3.	SAFETY ZONE	
4.	BORE HOLE LOCATION WITH RL	
5.	FLOOR CONTOUR	
6.	INTERNAL DUMP	
7.	HAUL ROAD	
8.	NALA	
9.	ROAD	
10.	PROPOSED HT LINE	
11.	SURFACE CONTOUR	
12.	SETTLING POND	
13.	GARLAND DRAIN	

REFERENCES

Sl.	NAME OF DRAWING	DRAWING NO
1	Floor contour Plans	Plate-8
2	Geological Plans	Plate-3
3	Surface Plan	Plate-4
4	Mine Working Plan	Plate-16 to Plate 22

- NOTE:**
1. ALL DIMENSIONS ARE IN METER
 2. BASIC DATA ARE TAKEN FROM G.R. ON Barjara North Block Prepared by CMPDI
 3. PLAN IS SUBJECT TO SUIT ACTUAL SITE CONDITION.
 4. ACTUAL POSITION OF RIVER MAY CHANGE, TAKEN FROM SURVEY OF INDIA TOPOSHEET.

RQP: Anil Pratap Singh
 Reg No 34011/1507/2009-CPAM
 Dt 07 10 2009

PLATE-XIII

West Bengal Power Development Corporation Limited

JOB TITLE: MINING PLAN INCLUDING WENT CONTOUR PLAN (REVISED 2) FOR BARJARA NORTH LOCAL SEWER, BARJARA SUBTRACT, WEST BENGAL.

Sl. No.	Author	Year	Appr. No.	Appr. Date
1.	XVth Year Stage Plan	2009	31	07/10/2009

Prepared by: **Dr. Anil Pratap Singh**
 Checked by: **Dr. Anil Pratap Singh**
 Approved by: **Dr. Anil Pratap Singh**

Scale: 0 50 100 200 300 M



ANNEXURE-9A

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No. : FP/WB/MIN/43000/2019

Date of Proposal: 04/12/2019

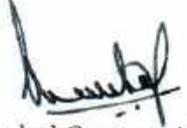
Forest Land Proposed for Diversion: 338.74 Hectare

UNDERTAKING

(TO OBTAIN THE PRIOR NECESSARY APPROVAL FOR DIVERSION OF TARTORA NALA)

West Bengal Power Development Corporation Limited, Kolkata, the user agency, is hereby undertakes that, necessary approvals from concerned authorities will be obtained by User agency regarding diversion of Tartora Nala, as per approved in 2nd Rev. Mine Plan of Barjora (North) Coal Mine (if required) in connection with **"Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited"**.

Place : Kolkata
Date :08.02.2024


(Chanchal Goswami)
Director(Mining)
CHANCHAL GOSWAMI
DIRECTOR (MINING)
&
OWNER OF THE MINE
W B P D C C L

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED

Corporate Identity No. : U40104WB1985SGC039154

"Bidyut Unnayan Bhawan", Plot No. 3/C, LA-Block, Sector-III, Bidhannagar, Kolkata-700 106
Phone: No. (91) (33) 2335 0581/2339 3204/3294; Fax: (91) (33) 2335 0524 / 2339 3286, Mobile: 9425176555
E-mail : c.goswami@wbpdcl.co.in, Website : www.wbpdcl.co.in



ANNEXURE-10

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No. : FP/WB/MIN/43000/2019

Date of Proposal: 04/12/2019

Forest Land Proposed for Diversion: 338.74 Hectare

UNDERTAKING

(FOR PAYMENT OF ADDITIONAL AMOUNT FOR PREPARATION OF LAND FOR PLANTATION OF NFL)

West Bengal Power Development Corporation Limited, Kolkata, the user agency, is hereby undertakes that, CA Patches in the Forest Divisions of Paschim Medinipur, Birbhum, Purulia, Kangsabati North, and Baikunthapur having less than 5 ha area are connected to other proposed CA Land or contiguous to RF/PF. In this respect clarification has been obtained from concerned forest divisions.

However, some top soil has been removed by locals for their own use. In the CA Scheme proposal, the above issue will be addressed for preparation of land for plantation etc. and cost will be borne by WBPDCCL in connection with **"Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited"**.

Place : Kolkata
Date :08.02.2024

(Chanchal Goswami)
Director(Mining)

CHANCHAL GOSWAMI
DIRECTOR (MINING)
&
OWNER OF THE MINE
WBPDCCL

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED

Corporate Identity No. : U40104WB1985SGC039154

"Bidyut Udayan Bhaban", Plot No. 3/C, I.A-Block, Sector-III, Bidhannagar, Kolkata-700 106
Phone: No. (91)(33) 2335 0581/2339 3204/3294, Fax: (91)(33) 2335 0524 / 2339 3286, Mobile: 9425176555
E-mail : c.goswami@wbpdcl.co.in, Website : www.wbpdcl.co.in



ANNEXURE-11

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No. : FP/WB/MIN/43000/2019

Date of Proposal: 04/12/2019

Forest Land Proposed for Diversion: 338.74 Hectare

UNDERTAKING

(FOR PAYMENT OF PLANTATION OF DEGRADED FOREST LAND AS PER MOEF&CC GUIDELINE, APRIL -2019)

West Bengal Power Development Corporation Limited, Kolkata, the user agency, is hereby undertakes that, as per MoEF &CC guideline File No: F.No. 11-423/2011-FC issued in April 2019, if 1000 trees can't be planted on the proposed CA land, WBPDCCL will pay the amount towards balance tree plantation on the degraded forest land in connection with **"Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited"**.

Place : Kolkata

Date :08.02.2024

(Chanchal Goswami)
Director(Mining)

CHANCHAL GOSWAMI
DIRECTOR (MINING)
&
OWNER OF THE MINE
W B P D C L

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED

Corporate Identity No. : U40104WB1985SGC039154

"Bidyut Ummayan Bhaban", Plot No. 3/C, LA-Block, Sector-III, Bidhannagar, Kolkata-700 106

Phone: No. (91) (33) 2335 0581/2339 3204/3294, Fax: (91) (33) 2335 0524 / 2339 3286, Mobile: 9425176555

E-mail : c.goswami@wbpdcl.co.in, Website : www.wbpdcl.co.in

Districts & Divisions Wise CA Land(NFL) Details

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No.: FP/WB/MIN/43000/2019

District	Division	Mouza , JL no.	Plot No. LR	Land Suitability Area (Ha)	Remarks
Bankura	Bankura (North) Division	Gosaindih JI - 77	38	4.70	Suitability available vide letter No.3062/L& LT/2L-(2)/2006 dated 28.06.2022
		Paharbera JI - 23	118	22.46	Suitability available vide letter No.782/8 dated 17.03.2023
		Dadhimukha JI - 106	1418	6.07	Suitability available vide letter No.3062/L& LT/2L-(2)/2006 dated 28.06.2022
		Unara JI - 41	1044	5.67	Suitability available vide letter No.3062/L& LT/2L-(2)/2006 dated 28.06.2022
		Saharjora JI-26	38	1.45	Suitability available vide letter No.782/8 dated 17.03.2023
		Saharjora JI-26	45	1.13	
		Saharjora JI-26	65	0.83	
		Saharjora JI-26	150	7.20	
		Saharjora JI-26	3117	3.79	
		Saharjora JI-26	3119	0.67	
		Saharjora JI-26	3125	2.43	
		Saharjora JI-26	3138	6.61	
		Saharjora JI-26	3142	1.35	
		Saharjora JI-26	3144	0.99	
		Shitla-JI-31	591	13.17	
		Deucha JI-42	261	0.36	
		Chakarabad JI-27	424	0.54	
		Beleshola JI -29	777	0.51	
		Anandapur JI-19	1488	0.95	Suitability available vide letter No.169/8 dated 25.01.2024
	Anandapur JI-19	1511	0.59		
	Anandapur JI-19	1514	1.28		
Anandapur JI-19	1522	0.81			
Bankura South Division	Kadamberia JI no 179	871	5.26	Suitability available vide letter No.3062/L& LT/2L-(2)/2006 dated 28.06.2022	
Sub-total				88.81	
Purulia	Purulia Division	Hinjuri JI 47	543	5.00	Suitability available vide letter No.3062/L& LT/2L-(2)/2006 dated 28.06.2022
		Singhara JI 45	773	7.69	
	Kangsabati (North) Division	Palanja JI no 6	2433	8.15	
		Uluberia JI no 87	3	24.37	
			4	4.05	
Sub-total				49.26	


CHANDAN GOSWAMI
 Director (MINING)
 &
 OWNER OF THE MINE
 W B P D C L

Districts & Divisions Wise CA Land(NFL) Details

Full Title of the Project: Diversion of 338.74 Ha Forest land for Non-forest purpose w.r.t. Barjora (North) Coal Mine of The West Bengal Power Development Corporation Limited.

Proposal No.: FP/WB/MIN/43000/2019

District	Division	Block	Sl. No.	Area (Ha)	Remarks
Paschim Medinipur	Medinipur Division	Kotalkuli JL no 326	3	9.14	Suitability available vide letter No.3062/L& LT/2L-(2)/2006 dated 28.06.2022
			6	0.83	
			7	0.45	
			8	0.93	
			9	0.55	
			10	1.98	
		Sub-total		15.17	
Jalpaiguri	Baikunthapur Division	Purba Totagaon JL no 2	24	8.13	Suitability available vide letter No.12152/L& LT/2M-63/2022 dated 23.02.2023
			58	66.07	
			59	1.01	
			60	13.38	
			64	0.10	
			65	0.10	
			66	0.55	
			67	0.53	
	Paschim Totagaon JL no 1	10	3.62	Suitability available vide letter No.1471/2-23 dated 23.06.2023	
		18	4.94		
		22	3.59		
		35	4.63		
		36	3.32		
		37	1.44		
		38	0.94		
		34	8.32		
		Sub-total		169.41	
Alipurduar	BTR East Division	Madhya Haldibari JL 38	1906	6.57	Suitability available vide letter No.440/8-1 dated 22.02.2023
			1907	3.07	
			1571	1.61	
			1572	3.51	
			1903	1.42	
		Sub-total		16.19	
Grand Total				338.85	

CA Land Summary

District	Suitability Area(Ha)	Remarks
Bankura	88.81	
Purulia	49.26	
Paschim Medinipur	15.17	
Alipurduar	16.19	
Jalpaiguri	169.41	
Total	338.85	


CHANCHAL GOSWAMI
 DIRECTOR (MINING)
 &
 OWNER OF THE MINE
 W B P D C L



Government of West Bengal
Directorate of Forests

Office of the Divisional Forest Officer, Bankura (North) Division

Machantala, Bankura, Pin :: 722101

Phone :: (03242-250758) – Fax:: (03242-256556), e-mail : dfoban-wb@nic.in / dfo_bkn@yahoo.com

Visit us at: www.bankuraforest.in



Memo No. 169 / 8

Dated, Bankura, the 25/01 /2024

From :: The Divisional Forest Officer,
Bankura (North) Division.

To :: The Principal Chief Conservator of Forests
& Nodal Officer, Forest Conservation Act.

Sub :: Submission site suitability report for 7.3572 hectares in Mouza – Anandapur, JL No. 19 and Bankadaha, JL No. 27 under block Gangajalghati, Bankura in favour of Barjora (North) Coal Mine under (Proposal No. FP-WB-MIN-43000-2019) of Bankura (North) Division.

Ref :: Your Office Memo No. 9092/L</2L-1(2)/2005 Dated 11/01/2024

Sir,

With reference to the above mentioned subject, please find the report of suitability/unsuitability for Compensatory Afforestation (CA) of the Plots as per field verification by Divisional Forest Officer, Bankura (North) Division.

This is for your kind perusal and taking necessary action.

Enclosed: Details of report.


Divisional Forest Officer,
Bankura (North) Division.

Memo No. 169 / 8

Dated, Bankura, the 25/01 /2024

Copy for kind information to:-

1. The Chief Conservator of Forests, Central Circle.
2. The Chief Conservator of Forests, Forest Conservation Act.


Divisional Forest Officer,
Bankura(North) Division.

District	DFO	Mouza	LR Plot No.	Area (in acre)	Remarks as per field visit of DFO
Bankura	Bankura (North)	Anandapur JL No. 19	1511,1514,1522 &1488	8.98	The proposed land is contiguous to existing forest. The land has growth of a few shrubs, but it is mostly blank. Soil condition is suitable for plantation. Hence, the site is suitable for CA.
Bankura	Bankura (North)	Bankadaha JL No. 27	789	9.20	The proposed land is contiguous to existing forest. The area has growth of bushes and Eucalyptus trees. Soil quality is laterite. However, plantation may be taken up after necessary soil work and care. Hence, the site is suitable for CA.

Field visit report of Divisional Forest Officer, Bankura (North) Division.



Divisional Forest Officer,
Bankura(North) Division



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer, Bankura (North) Division

Machantala, Bankura, Pin :: 722101

Phone :: (03242-250758) – Fax:: (03242-256556), e-mail : dfoban-wb@nic.in & dfo_bkn@yahoo.com

Visit us at: www.bankuraforest.in

Memo No. 782 / 8-

Dated: 17/03/2022

From :: The Divisional Forest Officer,
Bankura (North) Division.

To :: The Chief Conservator of Forests,
Central Circle, West Bengal.

Sub :: Submission Site Suitability report for 63.492 hectares (156.89) acres of land identified and offered for compensatory afforestation in Mouza-Saharjora, Shitla, Deucha, Chakrabad, Belashola & Paharbera, JL No. 26,31,42,27, 29 & 23 in favour of West Bengal Power Development Corporation Limited for Proposal No. **FP/WB/MIN/43000/2019**.

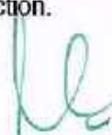
Ref :: The CCF,FCA, WB's Memo No. 11666/L</2M-63/2022 Dated, 13.02.2023 & 9549/L</2L-1(2)/2006 Dated 21.12.2022

Sir,

With reference to the above mentioned subject, please find the report of suitability/unsuitability for Compensatory Afforestation (CA) of the Plots as per field verification by Division Forest Officer, Bankura (North) Division on 19th February, 2023.

This is for your kind perusal and taking necessary action.

Enclosed : Details of report.


Divisional Forest Officer,
Bankura (North) Division.

Memo No. 782 / 8-

Dated: 17/03/2022

Copy to :-

1. The Addl. Principal Chief Conservator of Forests & Nodal Officer, Forest Conservation Act.
2. The Chief Conservator of Forests, Forest Conservation Act.

Sd/- UMAR IMAM, I.F.S.

Divisional Forest Officer,
Bankura (North) Division.

District	DFO	Mouza	LR Plot No.	Area (inHa)	Remarks as per field visit of DFO on 19.02.2023
Bankura	Bankura North	Saharjora-26	38	1.45	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Soil moisture conservation and land leveling is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Saharjora-26	45	1.13	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. The land is also undulating with potential to develop water bodies for elephants. Soil moisture conservation and land leveling is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Saharjora-26	65	0.83	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Soil moisture conservation and land leveling is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.

		Saharjora-26	150	7.20	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. The land is also undulating with potential to develop water bodies for elephants. Soil moisture conservation and some leveling of land is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Saharjora-26	3117	3.79	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. During site inspection, seedlings of Akashmoni were observed in the field. These seedlings need to be removed safely by the User Agency before handing over the land in order to raise seedlings suited to Elephant habitat. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA if the Akashmoni seedlings are removed by the U/A and the land is properly demarcated and fenced.
		Saharjora-26	3119	0.67	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. During site inspection, seedlings of Akashmoni were observed in the field. These seedlings need to be removed safely by the User Agency before handing over the land in order to raise seedlings suited to Elephant habitat. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is

				also required. The land parcel may be considered suitable for CA if the Akashmoni seedlings are removed by the U/A and the land is properly demarcated and fenced.	
		Saharjora-26	3125	2.43	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. During site inspection, Eucalyptus trees were observed in the field. These trees need to be removed by the U/A through proper procedure under Tree Protection Act and revenue submitted before handing over the land in order to raise seedlings suited to Elephant habitat. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA if Eucalyptus trees are removed by the U/A and the land is properly demarcated and fenced.
		Saharjora-26	3138	6.61	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. The land is also undulating with potential to develop water bodies for elephants. Soil moisture conservation is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Saharjora-26	3142	1.35	Soil condition is suitable and the site is adjacent to forest and road. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is

				required during the initial years. Proper boundary demarcation is also required .The land parcel may be considered suitable for CA.	
		Saharjora-26	3144	0.99	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Shitla-31	591	13.17	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Soil moisture conservation is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. Elephant presence is regularly reported in this parcel of land due to the presence of miscellaneous species and Taal trees. The land parcel may be considered suitable for CA.
		Deucha-42	261	0.36	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Soil moisture conservation is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Chakrabad-27	424	0.54	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species

					suitable for elephant habitat, the land can be developed as a potential elephant habitat. Soil moisture conservation is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
		Beloshola-29	777	0.51	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species suitable for elephant habitat, the land can be developed as a potential elephant habitat. Soil moisture conservation is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from Elephant depredation during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
Bankura	Bankura North	Paharbera-23	118	22.46	Soil condition is suitable and the site is adjacent to forest. With proper pit digging of size 0.6*0.6*1m and tall seedlings of species , the land can be developed as a habitat for wildlife. Soil moisture conservation is also required in the given parcel of land. Energized fencing is required in the land to protect the plantation from grazing during initial years. Fire prevention measure is required during the initial years. Proper boundary demarcation is also required. The land parcel may be considered suitable for CA.
Total=				63.49	

Field visit report of Divisional Forest Officer, Bankura (North) Division on 19.02.2023



Divisional Forest Officer
Bankura (North) Division

Government of West Bengal
Directorate of Forests
Office of the Principal Chief Conservator of Forests, Head of Forest Force
Aranya Bhawan, Block: LA-10A, Salt Lake City, Sector – III, Kolkata:: 700 106
Phone - Fax:: (033) 2335 8581/7751, e-mail : nfcawb@gmail.com
Visit us at: www.westbengalforest.gov.in

No- 3062 /L</2L-1(2)/2006

Dated: 28.06.2022

To The Director (Mining),
West Bengal Power Development Corporation Limited,
Bidyut Unnayan Bhaban, 3/C, Block-LA, Sector-III,
Bidhannagar, Kolkata-700 106.

Sub.: Diversion of forest land (338.74 ha) for Barjora (North) Coal Mine of WBPDC.

Ref.: Director (Mining), WBPDC letter no. WBPDC/Director(Mining)/1211 dt. 31.05.2022

Sir,

In the context of subject and reference mentioned above, out of 896.83 Acres of non-forest land offered for CA (for compensatory afforestation scheme in connection with diversion of Barjora (North) Coal Mine project of WBPDC), a total of 245.66 Acres (99.41 ha) of non-forest land is verified suitable as per field reports from respective DFOs (copies enclosed).

The status as per DFO reports is tabulated, and is the current report during June 2022.

Encroached land or land only fit for grassland or flooded land cannot be accepted for CA. CA land cannot be accepted in parcels, fragments which will be difficult to maintain as tree plantations in future. Plots adjacent to existing forest land where trees may be planted, may therefore, be explored for CA land.

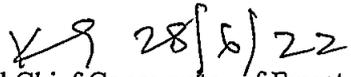
It may please be noted that unit of land area in Parivesh Portal for grant of Forest Clearance under Forest Conservation Act is Hectares (ha.) and not Acres. Please submit reports only in ha to avoid confusion.

Your memo No.COVC06110002/169 dated 22.6.2022 received today is under examination for suitability report.

This is for your kind information and taking necessary action.

Encl.: As stated.

Yours faithfully,

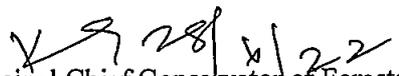

Addl. Principal Chief Conservator of Forests &
Nodal Officer, Forest Conservation Act

No- 3063 /L</2L-1(2)/2006

Dated: 28 .06.2022

Copy forwarded for information and necessary actions to:

1. The Addl. Principal Chief Conservator of Forests, North Bengal.
2. The Chief Conservator of Forests, Northern Circle/South-West Circle/Western Circle/ South-East Circle/Central Circle.
3. The Field Director, Buxa Tiger Reserve.


Addl. Principal Chief Conservator of Forests &
Nodal Officer, Forest Conservation Act

Project No. FP/WB/MIN/43000/2019 SCHEDULE OF CA LAND FOR BARJORA (North) COAL MINE

SN	District	Division	Mouza with JL No.	LR Plot No.	Land availability (acre)	Remarks	DFO Current Report Vide no.		
1	Bankura	Bankura (N)	Kaminbediya, JL 46	690	0	Low lying land with water body. Unsuitable for CA.	1509/8 dated 17.06.2022 (Annexure-1)		
			Kaminbediya, JL 46	697	0	Small plot and away from forest. Unsuitable for CA.			
			Kaminbediya, JL 46	713	0	Small plot and away from forest. Unsuitable for CA.			
			Kaminbediya, JL 46	715	0	Far Away from forest/nearest Beat Office. Approach road through a village. Unsuitable for CA.			
			Kaminbediya, JL 46	716	0	Small plot and away from forest. Unsuitable for CA.			
			Kaminbediya, JL 46	717	0	Small plot and away from forest. Unsuitable for CA.			
			Fulberia 6	72	0	Small plot and away from forest. Unsuitable for CA.			
			Unara, JL 41	1014	14.00	Suitable for CA.			
			Dadhimukha, JL 106	1418	15.00	Suitable for CA.			
			Paharbera, JL 23	118	0	Encroached			
		Dhatla, JL 155	1755	0	Unsuitable for CA. encroached	1420/8 dated 10.06.2022 (Annexure-2)			
		Gosaindhi, JL 77	38	11.62	Suitable for CA, adjacent to forest but rocky terrain.				
				Total		40.62			
				Bankura (S)	Kadamberia, JL 179	871	13.00	Suitable for CA.	804/28-LLC(LT) dated 11.06.2022 (Annexure-4)
		Kadia, JL 17	659		0	Site has extensive agricultural encroachment. Unsuitable for CA.	945/28-L.L.C (LT) dated 21.06.2022 (Annexure-3)		
			Total		13.00				
2	Birbhum	Birbhum	Hirapur, JL 7	569	5.26	5.26 acres Suitable for CA. Rest recorded in the name of public.	618/8M dated 23.06.2022 (Annexure-5)		
			Hirapur, JL 7	741	0.11	Area has Eucalyptus coppice, which has to be removed.			
			Hirapur, JL 7	742	1.64	Area has Eucalyptus coppice, which has to be removed.			
			Hirapur, JL 7	755	0	Unsuitable for CA Area 1.82 acres has Eucalyptus coppice and partly encroached.			
			Hirapur, JL 7	758	1.00	Area has Eucalyptus coppice, which has to be removed.			
			Hirapur, JL 7	784	2.47	Area has Eucalyptus coppice, which has to be removed.			
			Hirapur, JL 7	785	2.16	Area has Eucalyptus coppice, which has to be removed.			
				Total		12.64			

Project No. FP/WB/MIN/43000/2019 SCHEDULE OF CA LAND FOR BARJORA (North) COAL MINE

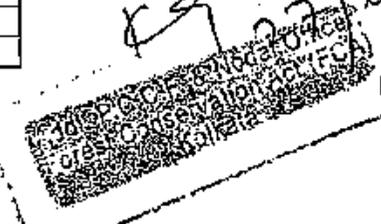
SN	District	Division	Mouza with JL No.	LR Plot No.	Land availability (acre)	Remarks	DFO Current Report Vide no.
3	Purulia	Kangsabati North	Seulbari, JL 165	1038	3.43	Suitable for CA.	1842/8-21 dated 10.06.2022 (Annexure-6)
			Seulbari, JL 165	1084	3.44	Suitable for CA.	
			Seulbari, JL 165	1086	1.53	Suitable for CA.	
			Seulbari, JL 165	1140	3.99	Suitable for CA.	
			Seulbari, JL 165	1141	0.87	Suitable for CA.	
			Seulbari, JL 165	1146/1136	3.63	Suitable for CA.	
			Seulbari, JL 165	1142	3.30	Suitable for CA.	
			Palanja, JL 6	2433	20.15	Suitable for CA subject to SMC interventions & species selection.	
			Uhuberia, JL 87	3	60.22	Suitable for CA	
		Uhuberia, JL 87	4	10.00	10 acres Suitable for CA, rest 7.39 stony soil unsuitable for CA.		
		Total			110.56		
		Purulia	Staghara, JL 45	773	19.00	Suitable for CA.	1794/8-CA/WBPDCL dated 13.06.2022 (Annexure-7)
			Hinjuri, JL 47	543	12.35	12.35 Acre Suitable for CA, subject to SMC interventions. Rest 1.11 unsuitable for CA.	
			Total			31.35	
4	Paschim Midnapur	Midnapur	Kotalkuli, JL 326	1	0	Unsuitable for CA. Under DM Project (5.42 acres).	2157/8- dated 13.06.2022 (Annexure-8)
			Kotalkuli, JL 326	3	22.58	Suitable for CA.	
			Kotalkuli, JL 326	6	2.04	Suitable for CA.	
			Kotalkuli, JL 326	7	1.10	Suitable for CA.	
			Kotalkuli, JL 326	8	2.31	Suitable for CA.	
			Kotalkuli, JL 326	9	1.35	Suitable for CA.	
			Kotalkuli, JL 326	10	4.90	Suitable for CA.	
			Kotalkuli, JL 326	11	3.21	Suitable for CA.	
Total			37.49				

Project No. FP/WB/MIN/43000/2019 SCHEDULE OF CA LAND FOR BARJORA (North) COAL MINE

SN	District	Division	Mouza with JL No.	LR Plot No.	Land availability (acre)	Remarks	DFO Current Report Vide no.
5	Jalpaiguri	Baikunthapur	Purba Totagaon, JL 2	14	0	The plots are in riverine tract prone to flooding and remains flooded during monsoons. Area unsuitable for plantation of tree species. Moreover Encroachments are also seen. Total 378 acres Unsuitable for CA.	777/8-2 dated 29.03.2022 (Annexure-9)
			Purba Totagaon, JL 2	15	0		
			Purba Totagaon, JL 2	24	0		
			Purba Totagaon, JL 2	58	0		
			Purba Totagaon, JL 2	59	0		
			Purba Totagaon, JL 2	60	0		
			Purba Totagaon, JL 2	64	0		
			Purba Totagaon, JL 2	65	0		
			Purba Totagaon, JL 2	66	0		
			Purba Totagaon, JL 2	67	0		
			Purba Totagaon, JL 2	68	0		
			Total	0.00			
6	Alipurduar	BTR/East	Madya Haldibari, JL 38	1907	0	The land is newly formed due to shifting of the river. The plots lie between two streams and frequently flooded. Plots have silt deposition over the boulder layer. Presently land is covered with grass and used for cattle grazing along with agriculture on portion of plots. Unsuitable for CA.	1370/8-1 dt 27.6.2022 & 1144/28-49 dt 27.6.22(Annexure-10)
			Madya Haldibari, JL 38	1906	0		
			Madya Haldibari, JL 38	1569	0		
			Madya Haldibari, JL 38	1570	0		
			Madya Haldibari, JL 38	1571	0		
			Madya Haldibari, JL 38	1572	0		
			Madya Haldibari, JL 38	1573	0		
			Madya Haldibari, JL 38	1574	0		
			Madya Haldibari, JL 38	1903	0		
			Madya Haldibari, JL 38	1904	0		
			Madya Haldibari, JL 38	1905	0		
			Madya Haldibari, JL 38	1906	0		
			Total	0.00			

Abstract of land suitable for Compensatory Afforestation as on June, 2022

Sl No.	Division	Area (Acres)
1	Bankura (North)	40.62
2	Bankura (South)	13.00
3	Birbhum	12.64
4	Kangsabati (North)	110.56
5	Purulia	31.35
6	Midnapur	37.49
7	Baikunthapur	0.00
8	BTR (East)	0.00
	Total	245.66



 Page 3 of 3



Annexure 2



Government of West Bengal
Directorate of Forests

Office of the Divisional Forest Officer, Bankura (North) Division

Machantala, Bankura, Pin :: 722101

Phone :: (03242-250758) – Fax:: (03242-256556), e-mail : dfoban-wb@nic.in /dfo_bkn@yahoo.com

Visit us at: www.bankuraforest.in

Dated: 10.06.2022

Memo No. 1420 ; 8

From :: The Divisional Forest Officer,
Bankura (North) Division.

To :: The Addl. Principal Chief Conservator of Forests &
Nodel Officer, Forest Conservation Act.

Sub :: Details information of Diversion of Forest land (8-10 Acres) for
Barjora (North) Coal Mine of WBPDC.

Ref :: Your Office Memo No.2232/L & LT/2L-1(2)/2006 dated.03.06.2022

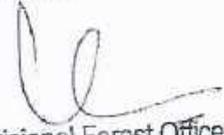
Sir,

With reference to the above mentioned subject, please find the report of suitability/unsuitability for Compensatory Afforestation (CA) of the Plots as per field verification by Divisional Forest Officer, Bankura(North)Division on 9th June'2022.

This is for your kind information and taking necessary action.

Enclosed: i) Details of report.

ii) Copy of Memo No.2698/1(3) dated.24.05.2022 of ADM & DL & LRO, Bankura.


Divisional Forest Officer
Bankura (North) Division.

Dated: 10.06.2022

Memo No. 1420 18

Copy forwarded for kind information to:-

1. The Chief Conservator of Forests, Central Circle, West Bengal.


Divisional Forest Officer
Bankura (North) Division.

District	DFO	Mouza	LR Plot No.	Area (in acre)	Remarks as per field visit of DFO on 09.06.22
Bankura	Bankura North	Paharbera JL No. 23	118	55.5	Soil condition is suitable for plantation and adjacent to forest land. However, the site is still under occupation of multiple farmers. During the field visit, cultivation activity could be observed by the undersigned.
		Dhatla JL No. 155	1755	16.6	Soil condition is suitable for plantation and adjacent to forest land. However, the land was previously under multiple ownership and still mixed use of farming, fruit orchard and tree species plantation could be observed. The land is still under occupation of multiple persons. Fruit species of around 2 years, Akashmoni & Eucalyptus of around 5 years and traces of cultivation in the past year could be observed. Although this land is not mentioned in the CA land schedule of letter no. WBPDC/Director (Mining)/1211 dt 31.05.2022, the same is mentioned in the Memo No. ADM & DLLRO Bankura/ LM/2698/1(3) dt 24.05.2022 (Enclosed) with request to taking over possession of the said land.
		Gosaindihi JL No. 77	38	11.6 2	The land is rocky and adjacent to forest land. However, plantation is possible. Also, the land is free from any occupation. Hence the land is suitable for CA. Although this land is not mentioned in the CA land schedule of letter no. WBPDC/Director (Mining)/1211 dt 31.05.2022, the same is mentioned in the Memo No. ADM & DLLRO Bankura/ LM/2698/1(3) dt 24.05.2022 (Enclosed) with request to taking over possession of the said land.

Field visit report of Divisional Forest Officer, Bankura (North) Division.


 Divisional Forest Officer
 Bankura (North) Division

Government of West Bengal
Directorate of Forests

Office of the Principal Chief Conservator of Forests, Head of Forest Force
Aranya Bhawan, Block: LA-10A, Salt Lake City, Sector - III, Kolkata: 700 106
Phone - Fax: (033) 2335 8581/7751, e-mail : nfcawb@gmail.com
Visit us at: www.westbengalforest.gov.in

No- 12152 /L & LT/2M-63/2022

Dated: 23.02.2023

To: The Director (Mining),
West Bengal Power Development Corporation Limited,
Bidyut Unnayan Bhaban, Plot No. 3/C, LA-Block,
Sector-III, Bidhannagar, Kolkata- 700 098.

Sub: Forest suitability certificate for 342.50 acre (138.61 ha.) Mouza Purba Totagaon and 55.60 acre (22.501 ha.) Mouza-Paschim Totagaon, under Baikunthapur Forest Division in favour of Barjora (North) Coal Mine, under WBPDC.

Ref: i) Your letter no. WBPDC/Director (Mining)/ 1442 dated. 01.02.2023.
ii) DFO Baikunthapur letter no. 1858/8-2 dated 16/08/2022, 2101/8-2 dated 13/09/2022 & 2388/8-2 dated 01/11/2022.

Sir,

In the context of subject mentioned above, as directed enclosed please find the details for your ready reference.

Encl.: As stated.

S Mand 22.02.2023
Chief Conservator of Forests,
Forest Conservation Act

No- 12153 /L & LT/2M-63/2022

Dated: 23.02.2023

Copy forwarded for information and necessary actions to:

1. The Chief Conservator of Forests, Northern Circle.
2. The Divisional Forest Officer, Baikunthapur Forest Division.

S Mand 22.02.2023
Chief Conservator of Forests,
Forest Conservation Act



GOVERNMENT OF WEST BENGAL

Directorate of Forests

Office of the Divisional Forest Officer

Baikunthapur Division

Forest Administrative Building (Block-B)

South Shanti Nagar, Dabgram-II, P.O. Dabgram, Dist: Jalpaiguri, Siliguri,

PHONE NO: 03561 796644, Email: dfobaik-wb@nic.in



No. 1858 /8-2

Dated, Siliguri, 16/08/2022

Full Title of the Project:- Diversion of 338.7 ha. of Forest Land for construction of Barjora North Coal Mine at Bankura District.

Proposal No: FP/WB/MIN/43000/2019
Date of Proposal:- 04.12.2019

**Land Suitability Certificate by the DFO
(For the forest land to be diverted under FCA)**

This is to certify that 138.66 ha of Non-Forest Land at Purba Totgaon Mouza, JL No. 2, District Jalpaiguri whose details are given below, identified for compensatory afforestation is suitable for plantation of *Acacia catechu*, *Dalbergia sissoo*, *Terminalia arjuna*, *Lagerstroemia speciosa*, *Bombax ceiba*, and grasses like *Saccharum Munja*, *Chrysopogon zizanioides*, *Pennisetum purpureum* and suitable for plantation from management point of view and free from all sorts of encumbrances and encroachment.


16/8/2022

Divisional Forest Officer
Baikunthapur Division

District	DFO	Mouza	JL No.	Plot No.	AREA (ACRE)		
					AS PER ROR	AS PER DGPS SURVEY	REVIEW OF DGPS SURVEY (as on 05.08 & 06.08.2022)
Jalpaiguri	BAIKUNTHAPUR	PURBATOTAGAON	2	24	20.1	20.1	20.1
				58	205.5	177.85	163.27
				59	2.5	2.5	2.5
				60	34.2	34.2	33.05
				64	0.24	0.24	0.24
				65	0.25	0.25	0.25
				66	1.35	1.35	1.35
				67	1.3	1.30	1.30
				68	135.2	130.23	120.44
				Total			

PATCH DETAILS	
PATCH ID	AREA (ACRES)
CA 1	20.1
CA 2	163.27
CA 3	2.5
CA 4	33.05
CA 5	0.24
CA 6	0.25
CA 7	1.35
CA 8	1.30
CA 9	120.44
TOTAL	342.50


 16/8/2022
 Divisional Forest Officer
 Baikunthapur Division

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**Enclosed: 1. DGPS Map of the CA area identified suitable for plantation
2. Soil Test Report**

Date- 16.08.2022
Place- Jabravita, Siliguri.


Divisional Forest Officer
Baikunthapur Division.

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GOVERNMENT OF WEST BENGAL

Directorate of Forests

Office of the Divisional Forest Officer

Baikunthapur Division

Forest Administrative Building (Block-B)

South Shanti Nagar, Dabgram-II, P.O. Dabgram, Dist: Jalpaiguri, Siliguri.

PHONE NO: 03561 796644, Email: dfobaik-wb@nic.in



No: - 2101 /8-2

Dated, Siliguri, the 13 / 09 /2022

From: The Divisional Forest Officer
Baikunthapur Division

To: The Chief Conservator of Forests,
Northern Circle, West Bengal

Sub: Diversion of Forest Land for Barjora North Coal Mine - CA Land identified at Purba
Totgaon Mouza - reg:

Ref: Letter No. 4791/L</2L-1(2)/06 dated: 18.08.2022 from Addl. PCCF & Nodal
Officer, FCA.

Sir/Madam,

As per the direction in point no. 5 of the letter mentioned in reference, I am submitting herewith the reply to queries as given below, for your kind perusal and onward forwarding to Addl. Principal Chief Conservator of Forests & Nodal Officer, FCA, 1980.

1. Vide Letter No: 1858/8-2 dated 16.08.2022 I have given suitability for taking up plantations over 138.66 ha (342.50 acres) of Non-Forest Land at Purba Totgaon Mouza, JL No. 2, District: Jalpaiguri based on the existing conditions at present. If Sal plantations have to be undertaken then good earth has to be brought from outside and Sal seedlings have to be planted and necessary prescriptions may be incorporated while preparing estimate for creation and 10 yrs maintenance of plantation raised under Compensatory Afforestation.
2. In the report dated 29.03.2022 area under encroachment were not clearly demarcated and in the report dated 16.08.2022 all the area under encroachment, water logging, etc. were omitted and new area suitable for CA was arrived at and separate map showing area suitable for CA was also prepared and sent.
3. Necessary rectification has been done and area is mentioned in both hectares and acres.

4. CA plantation creation is in progress and as on date 58.15 ha area planting has been completed against Turga Pump Project. Apart from that CA land allotted against Turga Pump Project has been cleared against encroachments and a report in this regard has been already sent vide memo no: 1901/8-2 dated: 22.08.2022.

Hence after rectification, Site Suitability Report and Map of the CA land identified against Barjora North Coal Mine is submitted herewith along with the reply to queries vide reference for your kind perusal and further necessary action.

Enclosed: 1. Land Suitability Certificate by DFO.
2. Map of the CA Land identified showing area in acres & hectares.


Divisional Forest Officer
Baikunthapur Division

331

Full Title of the Project:-Diversion of 338.7 ha. of Forest Land for construction of Barjora North Coal Mine at Bankura District.

Proposal No: FP/WB/MIN/43000/2019

Date of Proposal:- 04.12.2019

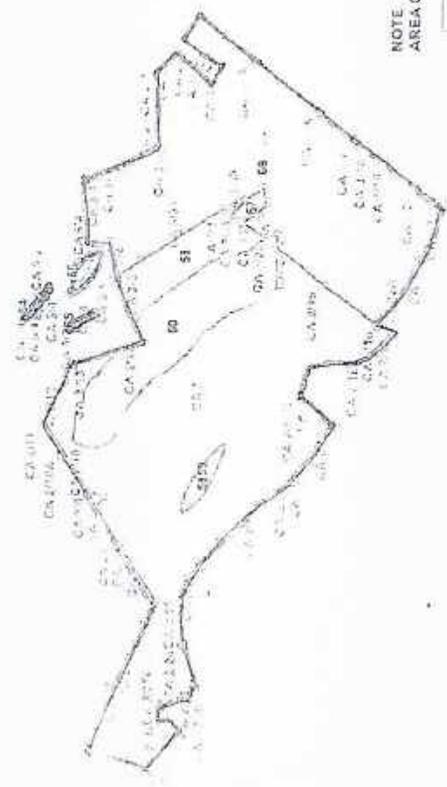
**Land Suitability Certificate by the DFO
(For the forest land to be diverted under FCA)**

This is to certify that 138.66 ha (342.50 acres) of Non Forest Land at Purba Totgaon Mouza, JL No. 2, District Jalpaiguri whose details are given below, identified for compensatory afforestation is suitable for taking up tree plantation and suitable for plantation from management point of view and free from all sorts of encumbrances and encroachment.

CA Plot Details of Barjora (North) Coal Mine							
District	DFO	Mouza	JL No.	PLOT No.	Area in Acre		Area in Hectares
					Total Area of Plots (As Per Ror)	CA Land Area	CA Land Area
Jalpaiguri	Baikunthapur	Purba Totgaon	2	24	20.1	20.1	8.14
				58	205.5	163.27	66.1
				59	2.5	2.5	1.01
				60	34.2	33.05	13.38
				64	0.24	0.24	0.09
				65	0.25	0.25	0.1
				66	1.35	1.35	0.55
				67	1.3	1.30	0.53
				68	135.2	120.44	48.76
				Total	400.64	342.50	138.66


Divisional Forest Officer
Baikunthapur Division

MAP SHOWING DIPS SURVEYED COORDINATES AND BOUNDARY OF NONI FOREST LAND PROPOSED TO BE TRANSFERRED TO FOREST DEPARTMENT FOR COMPENSATORY AFFORESTATION IN LIEU OF DIVERSION OF FOREST LAND FOR BARJORA (NORTH) COAL MINES, P.S. BARJORA, DISTRICT- BARKURIA, WEST BENGAL OF WBPDCI PURGABA TOTGAON MOUZA, JL. NO. 02, MALHAZAR BLOCK, JALPAIGURI DISTRICT, WEST BENGAL



PATCH DETAILS OF NONI FOREST LAND PROPOSED TO BE TRANSFERRED TO FOREST DEPARTMENT FOR COMPENSATORY AFFORESTATION IN LIEU OF DIVERSION OF FOREST LAND FOR BARJORA (NORTH) COAL MINES, P.S. BARJORA, DISTRICT- BARKURIA, WEST BENGAL UNDER REGIONAL FOREST OFFICER, BARKURIA (NORTH) DIVISION

PATCH ID	AREA (ACRES)	AREA (HECTARES)
CA 1	37.1	15.1
CA 2	200.12	81.02
CA 3	20.44	8.26
CA 4	9.25	3.7
CA 5	0.74	0.3
CA 6	1.25	0.5
TOTAL	248.56	99.56

NOTE: AREA OF CA LAND OF BARJORA (NORTH) COAL MINE 342.50 ACRES/ 138.66 HECTARES

DRAWING TITLE	MAP SHOWING DIPS SURVEYED COORDINATES AND BOUNDARY OF NONI FOREST LAND PROPOSED TO BE TRANSFERRED TO FOREST DEPARTMENT FOR COMPENSATORY AFFORESTATION IN LIEU OF DIVERSION OF FOREST LAND FOR BARJORA (NORTH) COAL MINES, P.S. BARJORA, DISTRICT- BARKURIA, WEST BENGAL UNDER REGIONAL FOREST OFFICER, BARKURIA (NORTH) DIVISION
APPLICANT	THE WEST BENGAL POWER DEVELOPMENT CORPORATION LTD
SURVEYED BY	S S SOLUTION
DRAWING NO	1555/05/007/08R02/01-Z
SHEET NO.	01 OF 01

Legend

- CA LAND PATCH
- CA PLU
- CA IN CH (RELA)

Cmf
08/09/2022

UTPAL BHADRA, WBCS (Exo.)
Spl. Secretary, Govt. of W.B.
Chief Vigilance Officer
&
Ex-Officio Director, WBPDCI

CA Plot Details of Barjora (North) Coal Mine

Plot No	B/O No	JL No	Plot No	AREA IN ACRE		AREA IN HECTARES
				TOTAL AREA OF PLOTS (AS PER ROR)	CA LAND AREA	
26			20.1	20.1	8.14	
38			200.3	162.27	80.7	
59			2.3	7.5	1.01	
60			10.2	33.05	13.28	
64			0.24	0.24	0.09	
65			0.75	0.25	0.1	
66			1.35	1.35	0.55	
07			1.3	1.30	0.53	
68			135.2	120.44	48.76	
TOTAL			400.64	342.50	138.66	

BAIKUNTHAPUR
PURGABATOTGAON



GOVERNMENT OF WEST BENGAL

Directorate of Forests

Office of the Divisional Forest Officer

Baikunthapur Division

Forest Administrative Building (Block-B)

South Shanti Nagar, Dabgram-II, P.O. Dabgram, Dist: Jalpaiguri, Siliguri,

PHONE NO: 03561 796644, Email: dfobaik-wb@nic.in



No: - 2388 /8-2

Dated, Siliguri, the 01 / 11 /2022

From: The Divisional Forest Officer
Baikunthapur Division

To: The Chief Conservator of Forests,
Northern Circle, West Bengal

Sub: Application for issuance of suitability certificate for 22.48 ha (55.60 acres) of Non Forest Land for taking up Compensatory Afforestation identified at Paschim Totgaon against diversion of Forest Land for 338.7 ha in Baikunthapur Division.

Sir/Madam,

Enclosed please find attached herewith the land suitability certificate as mentioned above for your kind perusal and further necessary action.

Enclosed: 1. Land Suitability Certificate by DFO.
2. Map of the CA Land identified showing area in acres & hectares.


Divisional Forest Officer
Baikunthapur Division

Full Title of the Project:- Diversion of 338.7 ha. of Forest Land for construction of Barjora North Coal Mine at Bankura District.

Proposal No: FP/WB/MIN/43000/2019
Date of Proposal:- 04.12.2019

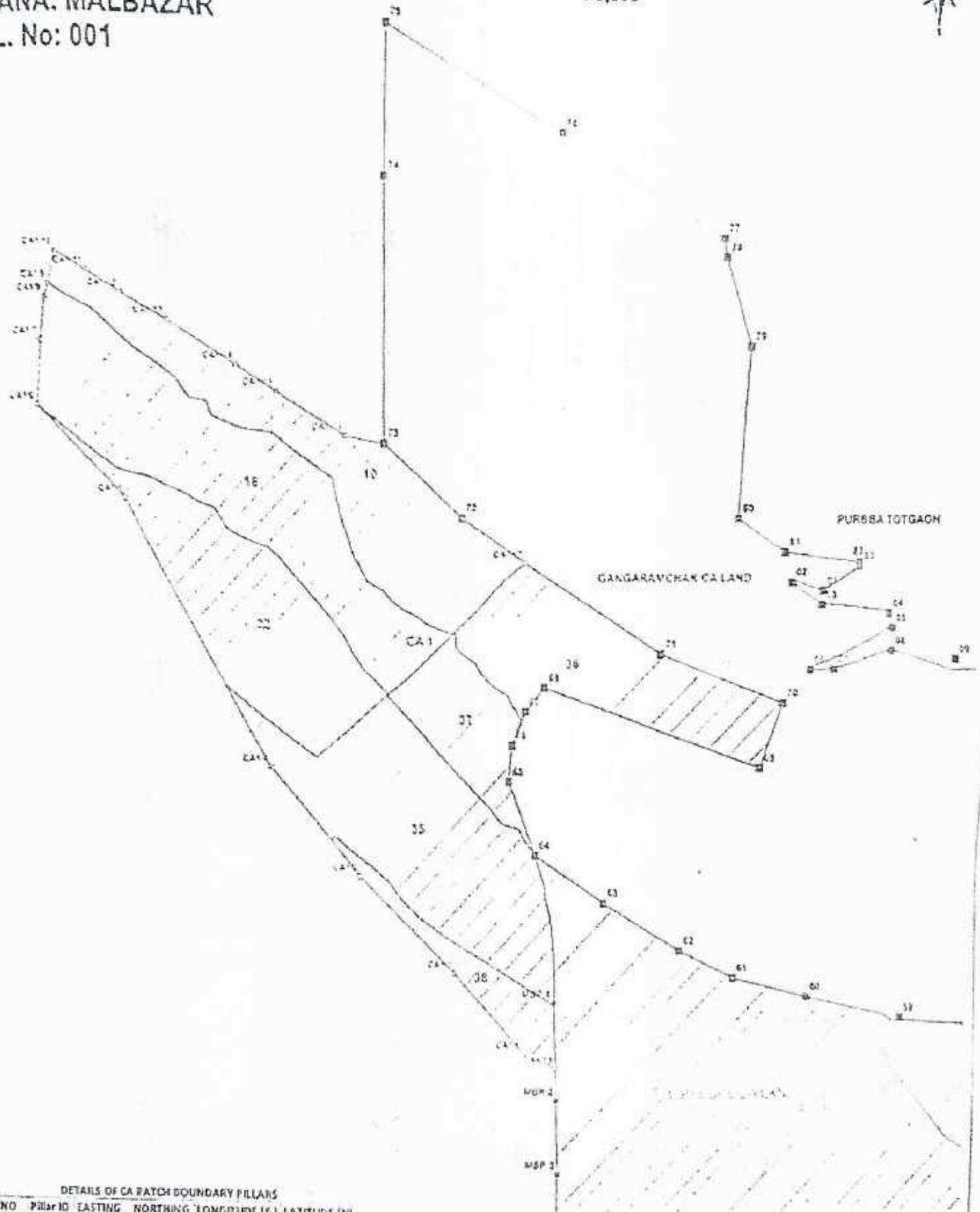
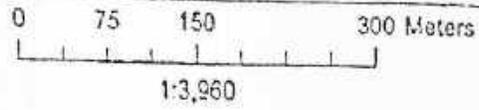
**Land Suitability Certificate by the DFO
 (For the forest land to be diverted under FCA)**

This is to certify that 22.48 ha (55.60 acres) of Non Forest Land at Paschim Totgaon Mouza, JL No. 1, District Jalpaiguri whose details are given below, identified for compensatory afforestation is suitable for taking up tree plantation and suitable for plantation from management point of view and free from all sorts of encumbrances and encroachment.

CA Plot Details of Barjora (North) Coal Mine							
District	DFO	Mouza	JL No.	PLOT No.	Area in Acre		Area in Hectares
					Total Area of Plots (As Per Ror)	CA Land Area	CA Land Area
Jalpaiguri	Baikunthapur	Paschim Totgaon	1	10	113.70	8.96	3.62
				18	21.75	12.21	4.94
				22	151.85	8.87	3.59
				35	19.66	11.44	4.63
				36	8.21	8.21	3.32
				37	3.58	3.58	1.44
				38	3.67	2.33	0.94
				Total	322.42	55.60	22.48


 Divisional Forest Officer
 Baikunthapur Division

AREA: PASCHIM TOTGAON
 SHEET No: 1 & 2
 THANA: MALBAZAR
 J. L. No: 001



DETAILS OF CA BATCH BOUNDARY PILLARS

SL. NO	Pillar ID	EASTING	NORTHING	LONGITUDE [E]	LATITUDE [N]
1	CA1/1	646648.097	2972130.579	86°29'46.780276"	26°58'46.539166"
2	CA1/2	648568.921	2972213.134	86°29'49.642066"	26°58'49.212796"
3	CA1/3	648356.201	2972310.561	86°29'40.014466"	26°58'50.515186"
4	CA1/4	648356.99	2972425.902	86°29'39.432386"	26°58'56.246406"
5	CA1/5	648196.864	2972701.9	86°29'30.745616"	26°58'05.235526"
6	CA1/6	648101.043	2972791.073	86°29'27.779176"	26°58'06.210036"
7	CA1/7	648107.869	2972863.204	86°29'27.516636"	26°58'20.271556"
8	CA1/8	648113.364	2972893.632	86°29'27.732846"	26°58'31.518306"
9	CA1/9	648118.768	2972906.729	86°29'27.834986"	26°58'31.961596"
10	CA1/10	648126.918	2972938.929	86°29'28.243256"	26°58'38.034326"
11	CA1/11	648160.656	2972920.152	86°29'29.457636"	26°58'32.362586"
12	CA1/12	648192.936	2972899.466	86°29'30.795436"	26°58'32.665326"
13	CA1/13	648241.671	2972874.871	86°29'32.625206"	26°58'30.854206"
14	CA1/14	648313.068	2972831.561	86°29'35.964206"	26°58'29.406206"
15	CA1/15	648356.869	2972804.627	86°29'38.873206"	26°58'26.614206"

PROPOSED AREA FOR AFFORESTATION THUS SHOWN WITH

SCHEDULE OF LAND AVAILABLE FOR COMPENSATORY AFFORESTATION AT PASCHIM TOTGAON

THANA	MUNICI	SL. NO	DATA NO	LR. PLOT NO	SHEETS	AREA IN ACRES		REMARKS	
						TOTAL	PROPOSED		
TOTGAON				10	1	111.30	8.96	VACANT	
				11	1	75.75	12.71	VACANT	
				12	1	151.85	4.157	VACANT	
				13	1				
				14	1				



GOVERNMENT OF WEST BENGAL
DIRECTORATE OF FORESTS
OFFICE OF THE DIVISIONAL FORESTS OFFICER
BAIKUNTHAPUR DIVISION
SOUTH SANTINAGAR (JABRAVITA), P.O. DABGRAM
DIST. JALPAIGURI, PIN - 734004. Email: dfobaik-wb@nic.in



No. : 1471 / 2-23

Dated: 23 .06.2023

To : The Chief Conservator of Forests,
Forest Conservation Act

Sub : "Verification report of land having plot no. 34 , JL No, 01, Sheet No. 02 ,Mouza – Paschim Totgaon, Jalpaiguri for Issuance of Suitability certificate for 9.11 Ha (22.52 acre) for Compensatory Afforestation in favour of Barjora (North) Coal Mine Bakura Under West Bengal Power development Corporation Limited (WBPDCCL)"

Ref : 1) Special Secretary, Govt of West Bengal and chief Vigilance officer ,letter no COVCL 06110002/233 DT 19.06.2023
2) CCF/FCA O.O. 2676/L & LT/2L-1(2)/06 DT 19.06.2023

Sir,

As per the field verification report of ADFO-II, Baikunthapur Division and Range Officer Targhera Range total 8.32 Ha (20.58 Acre) out of 9.11 Ha (22.52 Acre) is suitable for compensatory Afforestation under mouza –Paschim Totgaon, JL No. 01, Sheet No.02, Plot No. 34.

This is for your kind information and necessary action.

Enclosure : i. Copy of Report of ADFO-II, Baikunthapur Division.

ii. Copy of report of Range Officer ,Targhera Range

Divisional Forest Officer
Baikunthapur Division

Memo No. 1471 / 2-23

Dated: 23 .06.2023

Copy to The CCF, Northern Circle, West Bengal

Divisional Forest Officer
Baikunthapur Division

To,

The Divisional Forest Officer
Baikunthapur Division

Sub : " Verification report of land having plot no. 34 , JL No, 01, Sheet No. 02 ,Mouza -Paschim Totgaon,Jalpaiguri for Issuance of Suitability certificate for 9.11 Ha(22.52 acre) for Compensatory Afforestation in favour of Barjora (North) Coal Mine Bakura Under West Bengal Power development Corporation Limited (WBPDCCL)"

Ref: 1) Special Secretary ,Govt of West Bengal and chief Vigilance officer ,letter no COVCL .
06110002/233 DT 19.06.2023
2) CCF/FCA O.O. 2676/L & LT/2L-1(2)/06 DT 19.06.2023

Sir,

As directed by DFO, Baikunthapur Division, I visited the field along with Range Officer in the above mentioned area and found the following facts;

- 1) The Proposed land is riverine along Teesta river with jhora.
 - 2) The portion of the proposed land, requires Soil work with manure and good earth for survival of the planted seedlings and for better growth.
 - 3) During dry spell watering to seedlings is highly required as the soil is sandy .
 - 4) The Proposed land is contiguous with the other CA land which has already been transferred to Forest Dept. by BLLRO Malbazar .
 - 5) There is no demarcation of the said area, hence later it requires.
 - 6) Some trees like Chatian, Simul ,Khair etc having mid girth 30-40 cm and height 6-8 mtr are standing sparsely in the proposed area .
- 1) The schedule of land which is proposed for compensatory Afforestation is as below with remarks;

Mouza and JL no	Sheet no	LR plot no	Proposed Area (in acre)	Final Area (in acre)	Proposed area (in Ha)	Final Area (Ha)	Remarks
Pachim Totgaon JL no-1	1	34	22.52	20.58	9.11	8.32	i. Vacant & free from all encumbrance . ii. Suitable 8.32 Ha out of proposed area for plantation.

It is kindly noted that the above facts of the land may be taken into consideration while preparing estimates and other matters are dealt.

Asstt. Divisional Forest Officer
Baikunthapur Division



GOVERNMENT OF WEST BENGAL
DIRECTORATE OF FORESTS
OFFICE OF THE FOREST RANGE OFFICER
TARGHERA RANGE

No. 335 / TG - 13

Dated: - 22 / 06 / 2023

To
The Divisional Forest officer
Baikunthapur Division, Siliguri

Sub : Application for Issuance of Suitability certificate for 9.11 Ha(22.52 acre) of CA (Compensatory Afforestation) land in Mouza Pachim Totgaon ,JL-01 in favour of Barjora (North) Coal Mine Bakura Under West Bengal Power development Corporation Limited (WBPDC)

Ref: 1) Special Secretary ,Govt of West Bengal and chief Vigilance officer ,letter no COVCL . 06110002/233 DT 19.06.2023
2) CCF/FCA O.O. 2676/L & LT/2L-1(2)/06 DT 19.06.2023

Respected Sir,

With reference to above mentioned subject undersigned would like to invite your kind attention towards certain facts regarding Suitability certificate for 9.11 Ha(22.52 acre) of CA (Compensatory Afforestation) land in Mouza Pachim Totgaon ,JL-01 in favour of Barjora (North) Coal Mine, bakura Under West Bengal Power development Corporation Limited (WBPDC) are as follows :

- 1) Proposed land is in riverine area along with Teesta river bed with jhora.
- 2) West side of the Proposed land, Soil work is highly require with manure . So extra soil from out side including labour ,transportation must be include in creation work estimate for healthy plantation.
- 3) Proposed land is sharing common boundary with Gangaramchak CA land which has already been transferred to Forest Dept.at eastern side .
- 4) The access is very difficult owing to tributaries and proposed land is far way from main road and also don't have any approach road at present.
- 5) However, during dry spell watering to seedlings is highly required so installation of water distribution machine and labour component must be included at estimate of plantation creation.

6) Providing land schedule and quantum of the land had been changed only after field verification .

7) The schedule of which is enclosed below for Compensatory Afforestation purpose:

Mouza and JL no	Sheet no	LR plot no	Proposed Area (in acre)	Final Area (In acre)	Proposed area (in Ha)	Final Area (Ha)	Remarks
Pachim Totgaon JL no-1	1	34	22.52	20.58	9.11	8.32	Vacant & free from all encumbrance . It is opined that proposed land <u>8.32 ha (20.58 ha)</u> is suitable.

This is for your kind information and necessary action from your end.


Forest Range Officer
Targhera Range

Forest Range Officer
Targhera Range



Government of West Bengal
Directorate of Forests
Office of the Deputy Field Director, Buxa Tiger Reserve (East) Division
Alipurduar Court, P.O. & Dt. Alipurduar, 736 122
Phone -(03564) 256005; Fax:: (03564) 257269, e-mail : dyfdb-wb@nic.in
Visit us at: www.westbengalforest.gov.in



No. 440/8-1

Alipurduar Court dated 22/02/2023

To : The Conservator of Forests & Field Director
Buxa Tiger Reserve.

Sub : Site Suitability of proposed CA land of 97.63 acre (39.51 ha.) in Mouza Madhya Haldibari under
Buxa Tiger Reserve (East) Division- reg.

Ref : 1. The CCF/FCA, WB's letter No. 9547/L</2L-1(2)/2006 dated 21.12.2022
2. The CF & FD/BTR letter No. 321/28-48(A) dated 16.02.2023.
3. The Director (Mining) ,WBPDCCL letter No. 1442 dated 01.02.2023.

Sir,

In reference to the above, a detail survey was conducted by Working Plan (North) Division on 09.02.2023 and 11.02.2023 at Madhya Haldibari Mouza, under jurisdiction of Buxa Tiger Reserve (East) Division. As a result of the survey it has been found that out of the expected site suitability of 97.63 acres (39.51 ha.) of Compensatory Afforestation land, 32.8 acres (13.27 ha.) approximately is forest land. The remaining 64.83 acres (26.23 ha.) of CA land is contiguous to forest boundary of Bholka 1 & 2 compartment of Bholka Range under Buxa Tiger Reserve (East) Division. Approximately, 40 acres (16.18 ha.) out of this 64.88 ha. (26.23 ha.) could be taken up for Compensatory Afforestation.

Though the entire proposed Compensatory Afforestation land of 64.83 acres (26.23 ha.) approximately is not suitable for Compensatory Afforestation, it could be accepted as per the recommendations of Forest Advisory Committee (FAC) vide no- F. No.11-423/2011-FC dated 22nd May, 2019. (Copy Enclosed).

The remaining 24.83 acre (10.0483 ha.) approximately is highly degraded and low lying land which remains submerged for the most part of the year where Compensatory Afforestation is not feasible. Hence, this quantum of Compensatory Afforestation could be taken up in the degraded forest land of Buxa Tiger Reserve (East) Division as per the recommendations of Forest Advisory Committee (FAC) vide F. No. 11-423/2011-FC dated 2nd April, 2019 (Copy Enclosed) & as per the guidelines vide F. No. 5-2/2017- FC dated 28th March, 2019 (Copy Enclosed), Hand Book of Forest (Conservation) Act, 1980 Forest Conservation Rules, 2003 (Guidelines & Clarifications) para 2.8 (i).

This is for your kind perusal please.

Encls: As above

No. 440/8-1

Copy forwarded for information to the Chief Conservator of Forests, FCA, West Bengal.

(B. Siddhartha, IFS)
Deputy Field Director
Buxa Tiger Reserve (East) Division

Alipurduar Court dated 22/02/2023

Sd/- B. Siddhartha, IFS
(B. Siddhartha, IFS)
Deputy Field Director
Buxa Tiger Reserve (East) Division

Annexure-13 Detail Chronology of Mining Lease & others requisite Permissions

SL.No.	Chronology of Mining Lease & Others Statutory Approvals	Annexure
1	Approval of Mining Plan of Barjora(North)Coal Mines of M/s DVC EMTA Coal Mines Ltd vide letter no.47011/4/2003-CA-I dated 24.08.2006	Enclosed as Annexure-A
2	Environmental Clearance of Barjora(North)Coal Mines of M/s DVC EMTA Coal Mines Ltd vide letter no.J-11015/312/2007-IA II (M) dated 13.03.2008	Enclosed as Annexure-B
3	Grant of Mining Lease in favour of DVC EMTA Coal Mines Ltd for an area of 260.14 ha vide letter no.495/CI/O/Coal/38/07/MI dated 29.06.2010	Enclosed as Annexure-C
4	Deallocation of Barjora (North) Coal Mines as per The Coal Mines (Special Provisions) Ordinance,2014	Enclosed as Annexure-D
5	Allotment of Barjora (North)Coal Mines in favour of WBPDCI vide order no.103/7/2015/NA dated 31 st March,2015	Enclosed as Annexure-E
6	Transfer of Existing Mining Lease of 260.14 ha of Barjora(North)Coal Mine in favour of The West Bengal Power Development Corporation Ltd(WBPDCI) on dated 4 th Aug,2015	Enclosed as Annexure-F
7	Approval of Mine Plan & Mine Closure Plan 1 st Revision of Barjora (North)Coal Mines of M/s WBPDCI vide letter no.34011/19/2017-CPAM dated 4 th Sept. 2017	Enclosed as Annexure-G
8	Environmental Clearance of Barjora(North)Coal Mines of M/s WBPDCI vide letter no.J-11015/90/2007-IA II (M) dated 31 st May,2018	Enclosed as Annexure-H
9	Approval of Mine Plan & Mine Closure Plan 2 nd Revision of Barjora (North)Coal Mines of M/s WBPDCI vide letter no.34011/21/2019-CPAM dated 26 th Sept. 2019	Enclosed as Annexure-I
10	Additional Mining Lease of 422.90 ha (Project area 683.04 ha comprising of 260.14 ha existing lease and 422.90 ha additional mining lease) applied at Chief Mining Officer, Govt. of West Bengal vide letter no.WBPDCI/Director(Mining)/1696 on 28.11.2023	Enclosed as Annexure-J

No 47011/4/2003-CA-1
Government of India
Ministry of Coal

(F) DVC
M/19

New Delhi, the 24th August, 2006.

To

M/s. DVC EMTA Coal Mines Ltd.,
(A Jt. Venture of DVC & EMTA),
806, Central Plaza,
2/6, Sarai Bose Road,
Kolkata - 700 020.

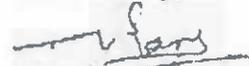
Subject: Approval of Mining Plan for Barjora (North) OCP (January, 2006) of M/s. DVC EMTA Coal Mines Ltd.

Sir,

I am directed to refer to your letter No. DVC EMTA/MP/MC/2006/16 dated 6.3.2006 submitting mining plan over the Barjora (North) coal block for approval of the Central Government and to state that the mining plan over Barjora (North) (January, 2006) coal block of M/s. DVC EMTA Coal Mines Ltd. has been considered and the approval of the Central Government thereon is hereby conveyed under Section 5 (2) (b) of the Mines & Minerals (Development & Regulation) Act, 1957 subject to the following conditions :-

- i) If the detailed geology of the proposed external OB dump area is not available to the effect that such area is non-coal bearing, the mining company shall get the area explored by drilling additional boreholes under the supervision of CMPDIL before placing overburden dump there, and should coal occurrence is reported within 300 m depth, a revised mining plan should be submitted with alternative external dump site.
 - ii) Deduction of 7 Mt reserves which has been excluded on account of bands should also be included in extractable reserves unless the exclusion is vetted by CMPDIL.
 - iii) The approval of the mining plan is without prejudice to the requirement of approvals from competent/prescribed authority under the relevant rules/regulations etc.
2. Two copies of the approved mining plans duly signed by the competent authority are returned herewith with the request that a copy of the approved mining plan may be submitted to the concerned State Government for necessary action and also a photocopy of the approved mining plan may be sent to the Coal Controller for monitoring of the block.

Yours faithfully,


(V.S. Kana)

Under Secretary to the Govt. of India.

Encls. As above.


हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला, मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi


RQP Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

Annexure-B

ANNEXURE 3

No.J-11015/312/2007-IA.II(M)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan,
C.G.O. Complex,
New Delhi - 110510.

Dated: 13th March 2008

To
Director,
M/s DVC Emta Coal Mines Ltd.,
806, Central Plaza,
2/6 Sarat Bose Road,
KOLKATTA - 700 020.

Sub: Barjora (North) Block Coal Mining Project (3 MTPA) of M/s DVC Emta Coal Mines Ltd., located in village and Tehsil Barjora, District Bankura, West Bengal - Environmental Clearance - reg.

Sir,

This has reference to your letter No. DVC/EMTA/MoEF/B(N)/2006/31 dated 14.10.2006 along with your application for Terms of Reference and this Ministry's letter No. J-11015/312/2006-IA.II(M) dated 27.12.2006 specifying the Terms of Reference and your subsequent letter dated 24.04.2007 along with documents seeking environmental clearance and letters dated 27.10.2007, 17.12.2007, and 07.01.2008 on the above-mentioned subject. The Ministry of Environment & Forests has considered your application. It has been noted that the project is for opening a new coal mine - Barjora (North) Block Coal Mine Project at a production capacity of 3 MTPA in a total land area of 927.513 ha of which 663 ha forms the mining lease area. Of the total land area, 295.308 ha is agricultural land, 174.483 ha is danga land, 384.01 ha is forestland and 73.712 ha consists of surface water bodies and road. A township of 342 dwelling units is proposed in an area of 10 ha near Barjora Town. There are no National Parks, Wildlife Sanctuary, Biosphere Reserves found in the 10 km buffer zone. The forest within the core zone forms part of Selatore RF. Forestry clearance has not been obtained. The entire lease area of 663 ha would be quarried. River Damodar flows about 5 km north of the lease boundary and controls the drainage of the Barjora Coalfield. It is proposed modify the natural drainage by diversion of a portion of Tartora Nala within the lease block along the southern and eastern boundaries and to rejoin it to its original course on the eastern side. It is also proposed to construct an embankment between the diverted course of Tartora Nala and the mine with 3m height difference with HFL. A garland drain would also be constructed all around the quarry.

Of the total land area of 927.50 ha, 663 ha is quarry, 100 ha is for external OB dump, 8 ha is for infrastructure, 10 ha is for roads, 22.50 ha is diversion (1.8km) of Tartora Nala and its embankment, 108 ha is for safety zone, 10 ha is for colony and 6 ha is for R&R site. Mining will be opencast by mechanised method and involves use of surface miner for coal extraction and OB removal by shovel-dumper involving drilling and blasting. No mineral processing is involved. The rated capacity of the mine is 3 million tonnes per annum (MTPA). Mineral transportation of 10000 TPD of coal from the mine would be made by 25-T trucks in 400 trips by road to railway siding covering a length of 5 km. Ultimate working depth of the mine is 155m below ground level (bgl). Water table is in the range of 4-6m bgl in the pre-monsoon and 2.5-4m bgl post-monsoon in the study area. Water table will be



intersected. Peak water requirement is 350 m³/d of drinking water and 400 m³/d for mine operations and will be met from Integrated Water Supply System. An estimated 305.08 Mm³ of OB will be generated over the life of mine, of which 45.85 Mm³ would be stored in ext. OB dump of a max. height of 50m m and an area of 100ha for the initial 5 years and the balance 259.23 Mm³ of OB would be backfilled in an area of 358 ha and rising above ground for a height of 20m. In addition, 7.15 Mm³ of topsoil would be temporarily stored in an area of 22 ha. Backfilling will begin from 5th year onwards when external dumping will cease. At the end of mine life, a void of 305 ha left in the doped area would be converted into a water body and upper reaches of the void fenced. Life of mine at the rated capacity of 3 MTPA is 22 years. The project involves R&R of four villages- Hidurdanga, Molipona, Machur and Roharaboni consisting of 230 PAFs and 547 PAPs. Public Hearing was held on 20.04.2007. Mining Plan has been approved by Ministry of Coal on 24.08.2006. Capital cost of the project is Rs. 385.15 crores.

2. The Ministry of Environment & Forests hereby accords environmental clearance for the above-mentioned Barjora (North) Block Coal Mining Project (3 MTPA) of M/s DVC Orissa Coal Mines Ltd., for production of coal at 3 MTPA rated capacity over a land area of 972.513 ha under the provisions of Section 12 of the Environmental Impact Assessment Notification, 2006 and subsequent amendments thereto and under 2.1.1 of MOEF Circular dated 13.10.2006 subject to the compliance of the terms and conditions mentioned below:

A. Specific Conditions

- (i) No mining operations shall be undertaken in the forestland until clearance has been obtained under the provisions of FC Act, 1980
- (ii) No mining operations shall be undertaken until the area outside the lease for topsoil dumps, OB dumps, area for mineral storage, roads, township have been acquired and compensation, if any, are paid as per the State Government norms.
- (iii) Diversion of Tartora Nala across the lease would be for a total length of 1800m and thereafter it shall be realigned to its original course.
- (iv) The embankment along the diverted stretch of the Tartora Nala shall be designed taking into account the highest flood level, based on past data, a gariand drain along the quarry area shall be created to guard against mine inundation. Channel sides of the embankment shall be stabilised with geotextile material. The slope of the embankment shall at least 2:1 towards the ML and shall be stabilised by plantation. The height of the embankment shall be at least 3 m higher than the HPL.
- (v) Topsoil should be stacked properly with proper slope at earmarked site(s) and should not be kept active and shall be used for reclamation and development of green belt.
- (vi) OB should be stacked at earmarked external OB dumpsite within ML area and shall be a maximum height of 60m only and consist of two benches of 30m each. The ultimate slope of the dump shall not exceed 28°. Monitoring and management of existing reclaimed dumpsites should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional office located at Bhubaneswar on an yearly basis.

- (vii) Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted and maintained properly.
Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.
- (viii) Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- (ix) Crushers at the CrP shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.
- (x) Drills shall be wet operated.
- (xi) The road used for mineral transportation shall be metal topped.
- (xii) Controlled blasting shall be practiced only during daytime with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
- (xiii) Area brought under afforestation shall not include reclaimed external OB dump (100 ha), backfilled area (358 ha), along Mt boundary, along roads, green belt (108 ha), in undisturbed areas and in colony within the mine lease area by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
- (xiv) A Progressive Mine Closure Plan shall be implemented by reclamation of quarry area of 358 ha which shall be backfilled and afforested by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. The balance 50.72 ha of degraded area being converted into a water reservoir shall gently sloped along the upper benches and stabilised and reclaimed with plantation.
- (xv) Water for domestic use and for mining operations shall be met from Integrated Water Supply System after approval of the competent authority of the State Government. No groundwater shall be used for the mining/project activities. Additional water required, if any, shall be met by recycling/reuse of the water from the existing activities and from rainwater harvesting measures. The project authorities should meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
- (xvi) Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.

- (v) Data on ambient air quality (SPM, RSPM and NO_x) should be regularly submitted to the Ministry including its Regional Office at Bhubaneswar and to the State Pollution Control Board and to the Central Pollution Control Board once in six months.
- (vi) Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc should be provided with ear plugs/muffs.
- (vii) Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.
- (viii) Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
- (ix) Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.
- (x) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof.
- (xi) A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the company.
- (xii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to this Ministry and its Regional Office at Bhubaneswar.
- (xiii) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- (xiv) A copy of the will be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (xv) State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/Tehsildar's Office for 30 days.
- (xvi) The Project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the



- (xvii) ETP should also be provided for workshop, and CHP. Effluents shall be treated to conform to prescribed standards particularly pH and TSS in case of discharge into any water course outside the lease.
- (xviii) An STP shall be provided for the township/colony to treat the domestic effluents to prescribed standards and for reuse in project activities.
- (xix) R&R of 4 villages - Hirduranga, Mo-bona, Maohar and Ronaraboni consisting of 230 PAFs and 947 PAFs shall be not be inferior to that in the National R&R Policy and shall be completed within a specified time-frame.
- (xx) Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.
- (xxi) For monitoring land use pattern and for post mining land use, a time series of landuse maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhubaneswar.
- (xxii) A Final Mine Closure Plan along with a Plan for Habitat Restoration and with details of Corpus Fund should be submitted to the Ministry of Environment & Forests for approval 5 years in advance of final mine closure for approval. The species selected for Habitat Restoration shall include species found in the study area before start of project and include a specific Plan for post-mining land use.

B. General Conditions

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
- (ii) No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.
- (iii) Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for SPM, RSPM, and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmental and ecologically sensitive targets in consultation with the State Pollution Control Board.
- (iv) Fugitive dust emissions (SPM and RSPM) from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points should be provided and properly maintained.

locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at the website of the Ministry of Environment & Forests at <http://envyfor.nic.in>.

3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.
5. The above conditions will be enforced *inter-alia*, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.



(Dr. T. Chandini)
Director

Copy to:

1. Secretary, Ministry of Coal, New Delhi.
2. Secretary, Department of Environment & Forests, Government of West Bengal, Secretariat, Kolkata.
3. Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, A-31, Chandrashekarpur, Bhubaneswar - 751023.
4. Chairman, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A, Block :A, Sector-III, Salt Lake City, Kolkata - 700098.
5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
6. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. District Collector, Bankura, Government of West Bengal.
8. Monitoring File 9. Guard File 10. Record File



Annexure-C

Government of West Bengal
Commerce and Industries Department
Mines Branch
4, Camac Street, Kolkata-700 016

No. 495-CI/O/Coal/38/07/M1

Date: 29.06.2010

ORDER

WHEREAS, the State Government has issued Grant Order vide No. 230/CI/O/Coal/38/07/M1 dated 07.04.2004 for long term mining lease for Coal in favour of DVC EMTA Coal Mines Ltd. over an area of 613.53 ha in respect of Barjora (North) Coal Block, covering different mouzas under P.S. Barjora, Dist. Bankura;

AND, WHEREAS, DVC EMTA Coal Mines Ltd. vide their letter No. DECML/KOL/C & 10/2010-II dated 28.04.2010 had submitted DRAFT Mining Lease Deed for non-forest area of 256.98 Ha out of the granted area of 613.53 Ha, including forest land;

AND, WHEREAS, it appeared on scrutiny that DVC-EMTA Coal Mines Ltd. has not been able to obtain clearance from the Competent Authority under the relevant Acts/ Rules with regard to use of any forest land for any non-forest purpose;

AND, WHEREAS, DVC-EMTA Coal Mines Ltd. was advised to resubmit the Draft Deed in compliance with Sub-Clause (X) of Clause 6 of the G.O. No. 230-CI/O/Coal/38/07/M1 dated 7.4.2010 vide this Department's letter No. 381-CI/O/Coal/38/07/Mines dated 24.05.2010;

AND, WHEREAS, DVC EMTA Coal Mines Ltd. vide their memo No. DECML/KOL/C & 11/2010-II dated 14.06.2010 has requested for issue of a revised grant order for non forest area of 260.14 Ha. in view of the urgency of supplying Coal to Mejia Extension TPS for generation of power which will be supplied for use during the Common Wealth Games, 2010 to be held in October, Delhi.

AND, WHEREAS, it appears that the Grant Order issued vide No. 230-CI/O/Coal/38/07/M1 dated 07.04.2010 for an area of 613.53 Ha. of land covering forest land is required to be revised on the grounds mentioned hereinbefore;



NOW, THEREFORE, the Governor after careful consideration of all the facts and circumstances relevant to the matter, is pleased to direct in partial modification of the order vide No. 230-CI/O/Coal/38/07/MI dated 7.4.2010 that the execution or Indenture of lease required to be executed in terms of this Department's No. referred to above granting long term mining lease for Coal in favour of M/S. DVC EMTA Coal Mines Ltd. shall be restricted to the non forest area of 260.14 hectare as shown in the Schedule-I annexed herewith. The Governor is further pleased to decide that the Indenture of lease for the remaining area of land will be executed at a later date and only when all the terms and conditions specified in this Department's No. 230-CI/O/Coal/38/07/MI dated 7.4.2010 are fulfilled.

The Governor is further pleased to direct that DVC-EMTA Coal Mines Ltd. shall have to submit a sketch map showing the plot-wise granted area after it has been duly vetted by the DLLRO, Bankura alongwith the draft mining lease deed to this department latest by 07.08.2010.

The Governor is further pleased to direct that all other conditions specified in this Department's Grant Order No. 230-CI/O/Coal/38/07/MI dated 07.04.2010 shall apply, mutatis-mutandis, in respect of this order.

By Order of the Governor

Sd/-

Principal Secretary
to the Government of West Bengal

Date: 29.06.2010.

No. 495/1(1)-CI/O/Coal/38/07/MI

Copy forwarded for information and necessary action to:-

✓ The Director,
M/S. DVC EMTA Coal Mines Limited,
806, Central Plaza, 2/6, Sarat Bose Road
Kolkata-700 020.


Assistant Secretary
to the Government of West Bengal

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	Baguli	10	744(P), 746(P), 749(P) - 751(P), 753(P) - 757(P), 758 - 1149, 1150(P), 1151(P), 1152, 1153(P) - 1156(P), 1159(P), 1160-1179, 1180(P), 1181-1187, 1188(P), 1189(P), 1198(P) - 1200(P), 1203(P), 1204-1210, 1211(P), 1212(P), 1231(P), 1232(P), 1233(P), 1244(P), 1245-1248, 1249(P), 1250, 1251(P), 1252(P), 1256(P), 1270(P), 1233/1834(P), 1237/1835, 1134/1882, 1133 /1881, 807/1850, 873/1851, 899/1852, 956 /1853, 1033/1854, 1063/1855, 1063/1856, 1064/1857, 1064/1858, 1112/1859,	72.34
6.	Barapukhuri	9	1-115, 116(P), 117(P), 118-155, 156(P), 157-161, 162(P), 163(P), 164, 165(P), 166(P), 167, 187(P), 188-229, 230(P)-232(P), 234(P), 235-274, 275(P), 282(P), 286(P)-290(P), 291-293, 294(P), 295-362, 363(P)-366(P), 367-493, 494 (P), 495-502, 503(P), 516(P), 517(P), 519-526, 527(P), 528(P), 531(P)-533(P), 78/609, 131/610, 129/611, 128/612, 187/613, 405/614, 406/615, 528/616(P), 453/617, 6/618, 6/619, 14/620, 21/621, 33/622, 61/623, 61/624, 74/625, 74/626, 120/627, 120/628, 150/629, 153/630, 153/631, 157/632, 159/633, 195/634, 459/635(P), 150/637, 150/638, 150/639, 32/641, 195/642, 254/643, 341/644, 460/645, 254/647, 254/648, 497/649, 497/650, 497/651, 497/652, 497/653, 430/654, 460/655, 460/656, 2/657, 2/658.	206.43
			Total :	642.56 Acre
			Total Non Forest Area for Grant Lease (Rayatcc + Vested)	= 260.14 Ha

Application made for Mining Lease	=	663.00 Ha
Less (a) For subsequent adjustment of industrial (W.B.I.D.C.L.) area	49.47 Ha.	-77.47 Ha
(b) For Forest Land	28.00 Ha.	
Remaining Area for Mining Lease:		585.53 Ha
Forest Land within Mining Area:		325.39Ha
Non Forest Rayatcc and vested Land:		<u>260.14Ha</u>
		585.53 Ha

* Please see Annexure "B" [Less Area of W.B.I.D.C.L. Land]



भारत का राजपत्र
The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 32] नई दिल्ली, मंगलवार, अक्तूबर 21, 2014/ आश्विन 29, 1936 (शक)
No. 32] NEW DELHI, TUESDAY, OCTOBER 21, 2014/ASVINA 29, 1936 (SAKA)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF LAW AND JUSTICE
(Legislative Department)

New Delhi, the 21st October, 2014/Asvina 29, 1936 (Saka)

THE COAL MINES (SPECIAL PROVISIONS)
ORDINANCE, 2014

No. 5 OF 2014

Promulgated by the President in the Sixty-fifth Year of the Republic of India.

An Ordinance to provide for allocation of coal mines and vesting of the right, title and interest in and over the land and mine infrastructure together with mining leases to successful bidders and allottees with a view to ensure continuity in coal mining operations and production of coal, and for promoting optimum utilisation of coal resources consistent with the requirement of the country in national interest and for matters connected therewith or incidental thereto;

WHEREAS the Supreme Court of India *vide* judgment dated 25th August, 2014 read with its order dated 24th September, 2014 has cancelled the allocation of coal blocks and issued directions with regard to such coal blocks and the Central Government in pursuance of the said directions has to take immediate action to implement the said order;

AND WHEREAS it is expedient in public interest for the Central Government to take immediate action to allocate coal mines to successful bidders and allottees keeping in view the energy security of the country and to minimise any impact on core sectors such as steel, cement and power utilities, which are vital for the development of the nation;

AND WHEREAS the Central Government considers it necessary to prescribe the conditions to rationalise the coal sector for mining operations, consumption and sale having

regard to the coordinated and scientific development and utilisation of coal resources consistent with the growing requirement of the country;

AND WHEREAS Parliament is competent to legislate under entry 54 of List I of the Seventh Schedule to the Constitution for regulation of mines and mineral development to the extent to which such regulation and development under the control of Union is declared by Parliament by law to be expedient in the public interest;

AND WHEREAS a Bill further to amend the Coal Mines (Nationalisation) Act, 1973 has been introduced and pending in the Council of States; 26 of 1973.

AND WHEREAS Parliament is not in session and the President is satisfied that circumstances exist which render it necessary for him to take immediate action;

NOW, THEREFORE, in exercise of the powers conferred by clause (1) of article 123 of the Constitution, the President is pleased to promulgate the following Ordinance:—

CHAPTER I

PRELIMINARY

Short title,
extent and
commencement.

1. (1) This Ordinance may be called the Coal Mines (Special Provisions) Ordinance, 2014.

(2) It extends to the whole of India.

(3) It shall come into force at once.

Declaration as
to expediency
of Union
action.

2. It is hereby declared that it is expedient in the public interest that Union should take action for the development of Schedule I coal mines and extraction of coal on continuous basis for optimum utilisation.

Definitions.

3. (1) In this Ordinance, unless the context otherwise requires,—

(a) “additional levy” shall mean, the additional levy as determined by the Supreme Court in Writ Petition (Criminal) No. 120 of 2012 as two hundred and ninety-five rupees per metric tonne of coal extracted;

(b) “allotment order” means the allotment order issued under section 5;

(c) “appointed date” in relation to—

(i) Schedule I coal mines excluding Schedule II coal mines, shall be the 24th day of September, 2014 being the date on which the allocation of coal blocks to prior allottees stood cancelled; and

(ii) Schedule II coal mines shall be the 1st day of April, 2015 being the date on which the allocation of coal blocks to prior allottees shall stand cancelled,

in pursuance of the order of the Supreme Court dated the 24th September, 2014 passed in Writ Petition (Criminal) No. 120 of 2012;

(d) “bank” shall have the same meaning as assigned to it in clause (c) of the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002;

54 of 2002.

(e) “coal mining operations” means any operation undertaken for the purpose of winning coal;

(f) “company” shall have the same meaning as assigned to it in clause (20) of section 2 of the Companies Act, 2013;

18 of 2013.

(g) “corporation” shall have the same meaning as assigned to it in clause (11) of section 2 of the Companies Act, 2013;

SCHEDULE - I
[See section 3(1)(p)]

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
1.	Tadicherla-I	Andhra Pradesh Power Generation Corpn. Ltd.	Andhra Pradesh
2.	Anesttipali	Andhra Pradesh Power Generation Corpn. Ltd.	Andhra Pradesh
3.	Punkula-Chilka	Andhra Pradesh Power Generation Corpn. Ltd.	Andhra Pradesh
4.	Penagaddppa	Andhra Pradesh Power Generation Corpn. Ltd.	Andhra Pradesh
5.	Namchik Namphuk	Arunachal Pradesh Mineral Dev. & Trading Corporation	Arunachal Pradesh
6.	Sayang	AES Chhattisgarh Energy Pvt. Ltd.	Chhattisgarh
7.	Rajgamar Dipside (Deavnara)	API Ispat & Powertech Pvt. Ltd.,CG Sponge Manufacturers Consortium Coalfield Pvt. Ltd.	Chhattisgarh
8.	Durgapur-II/ Taraimar	Bharat Alluminium Company Ltd.	Chhattisgarh
9.	Datima	Binani Cement Ltd.	Chhattisgarh
10.	Tara	Chhattisgarh Mineral Development Corporation Limited	Chhattisgarh
11.	Gare Pelma, Sector-I	Chhattisgarh Mineral Development Corporation Limited	Chhattisgarh
12.	Shankarpur Bhatgaon II Extn.	Chhattisgarh Mineral Development Corporation Limited	Chhattisgarh
13.	Sondhia	Chhattisgarh Mineral Development Corporation Limited	Chhattisgarh
14.	Parsa	Chhattisgarh State Electricity Board	Chhattisgarh
15.	Vijay Central	Coal India Limited,SKS Ispat & Power Ltd.	Chhattisgarh
16.	Gidhmuri	Chhattisgarh State Electricity Board	Chhattisgarh
17.	Paturia	Chhattisgarh State Electricity Board	Chhattisgarh
18.	Durgapur-II /Sarya	DB Power Ltd.	Chhattisgarh
19.	Bhaskarpara	Electrotherm (India) Ltd.,Grasim Industries Ltd.	Chhattisgarh
20.	West of Umaria	Sainik Finance and Industries Ltd. (Earlier Garuda Clays Ltd.)	Chhattisgarh
21.	Morga II	Gujrat Mineral Development Corporation	Chhattisgarh
22.	Gare Pelma Sector III	Goa Industrial Development Corporation	Chhattisgarh
23.	Madanpur South	Hindustan Zinc Ltd., Akshya Investment Pvt. Ltd., Chhattisgarh Steel & Power Ltd., Chhattisgarh Electricity Corporation Ltd., MSP Steel & Power Ltd., Chhattisgarh Captive Coal Mining Ltd. (Consortium of five Cos.)	Chhattisgarh
24.	Nakia I	Ispat Godavari Ltd. , Ind Agro Synergy Ltd., Shri Nakoda Ispat Ltd., Vandana Gopal Ltd., Shree Bajrang Power & Ispat Ltd.	Chhattisgarh
25.	Nakia II	Ispat Godavari,Ind Agro Synergy,Shri Nakoda Ispat,Vandana Gopal Ltd.,Shree Bajrang Power & Ispat Ltd.	Chhattisgarh
26.	Gare-Palma- IV/4	Jayaswal Neco Ltd.	Chhattisgarh
27.	Gare Palma IV/8	Jayaswal Neco Ltd.	Chhattisgarh
28.	Gare-Palma-IV/2	Jindal Power Ltd. (Now Jindal Steel & Power Ltd.)	Chhattisgarh
29.	Gare-Palma-IV/3	Jindal Power Ltd. (Now Jindal Steel & Power Ltd.)	Chhattisgarh
30.	Gare-Palma-IV/1	Jindal Strips Limited (Now Jindal Steel & Power Ltd.)	Chhattisgarh

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
31.	Gare Palma IV/6	Jindal Steel & Power Ltd., Nalwa Sponge Iron Ltd.	Chhattisgarh
32.	Fatehpur East	JLD Yavatmal Energy Ltd., R.K.M. Powergen Pvt. Ltd., Visa Power Ltd., Green Infrastructure Pvt. Ltd., Vandana Vidyut Ltd.	Chhattisgarh
33.	Morga-I	Madhya Pradesh State Mining Corporation Limited	Chhattisgarh
34.	Morga III	Madhya Pradesh State Mineral Corporation Limited	Chhattisgarh
35.	Morga IV	Madhya Pradesh State Mineral Corporation Limited	Chhattisgarh
36.	Gare Pelma Sector II	Maharashtra State Mining Corpn Ltd., Tamil Nadu State Electricity Board	Chhattisgarh
37.	Gare-Palma-IV/5	Monet Ispat Ltd.	Chhattisgarh
38.	Rajgamar Dipside (South of Phulakdih Nala)	Monnet Ispat and Energy Ltd., Topworth Steel Pvt. Ltd.	Chhattisgarh
39.	Talaipali	National Thermal Power Ltd.	Chhattisgarh
40.	Chotia	Prakash Industries Ltd.	Chhattisgarh
41.	Gare-Palma-IV/7	Raipur Alloys & Steel Ltd. (Now Sarda Energy and Mineral Limited)	Chhattisgarh
42.	Parsa East	Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RRVUNL)	Chhattisgarh
43.	Kesla North	Rathi Udyog Ltd.	Chhattisgarh
44.	Kanta Basan	Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RRVUNL)	Chhattisgarh
45.	Panchbahani	Shree Radhe Industries Ltd.	Chhattisgarh
46.	Fatehpur	SKS Ispat and Power Ltd., Prakash Industries Ltd.	Chhattisgarh
47.	Madanpur (North)	Ultratech Ltd., Singhal Enterprise Ltd., Nav Bharat Coalfield Ltd., Vandana Energy & Steel Pvt. Ltd., Prakash Industries Ltd., Anjani Steel Pvt. Ltd., Chhattisgarh Captive Coal Mining Ltd. (Consortium of five Co.)	Chhattisgarh
48.	Brinda	Abhijeet Infrastructure Pvt. Ltd.	Jharkhand
49.	Sasai	Abhijeet Infrastructure Pvt. Ltd.	Jharkhand
50.	Meral	Abhijeet Infrastructure Pvt. Ltd.	Jharkhand
51.	Seregarha	Arcelor Mittal India Ltd., GVK Power (Govindwal Sahib) Ltd.	Jharkhand
52.	Patal East	Bhushan Power and Steel Ltd.	Jharkhand
53.	Saria Koiyatand	Bihar Rajya Khanij Vikas Nigam (BRKVN) Patna	Jharkhand
54.	Macherkunda	Bihar Sponge Iron Ltd.	Jharkhand
55.	Brahmadiha	Castron Technologies Ltd.	Jharkhand
56.	Mahuagarhi	Calcutta Electricity Supply Corporation Ltd. (CESC), Jas Infrastructure Capital Pvt. Ltd.	Jharkhand
57.	Chitarpur	Corporate Ispat Alloys Ltd.	Jharkhand
58.	Saharpur Jamarpani	Damodar Valley Corporation	Jharkhand
59.	Lalgarh (North)	Domco Smokeless Fuel Pvt. Ltd.	Jharkhand
60.	Parbatpur-Central	Electrosteel Castings Ltd.	Jharkhand
61.	Chakla	Essar Power Ltd.	Jharkhand
62.	Ashok Karkatta Central	Essar Power Ltd.	Jharkhand
63.	Jainagar	Gujarat Mineral Development Corporation (GMDC)	Jharkhand

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
64.	Tokisud North	GVK Power (Govindwal Sahib) Ltd.	Jharkhand
65.	Tubed	Hindalco Industries Ltd., Tata Power Company Ltd.	Jharkhand
66.	Moitra	Jayaswal Neco Ltd.	Jharkhand
67.	North Dhadu	Jharkhand Ispat Pvt. Ltd, Pavanjay Steel & Power Ltd., Electrosteel castings Ltd, Adhunik Alloys & Power Ltd.	Jharkhand
68.	Banhardih	Jharkhand State Electricity Board	Jharkhand
69.	Sugia Closed mine	Jharkhand State Mineral Development Corporation	Jharkhand
70.	Rauta Closed mine	Jharkhand State Mineral Development Corporation	Jharkhand
71.	Burakhap small patch	Jharkhand State Mineral Development Corporation	Jharkhand
72.	Pindra-Debipur-Khaowatand	Jharkhand State Mineral Development Corporation Ltd.	Jharkhand
73.	Latehar	Jharkhand State Mineral Development Corporation Ltd.	Jharkhand
74.	Patratu	Jharkhand State Mineral Development Corporation Ltd.	Jharkhand
75.	Rabodih OCP	Jharkhand State Mineral Development Corporation Ltd.	Jharkhand
76.	Jogeshwar & Khas Jogeshwar	Jharkhand State Mineral Development Corporation	Jharkhand
77.	Jitpur	Jindal Steel & Power Ltd.	Jharkhand
78.	Amarkonda Murgadangal	Jindal Steel and Power Ltd., Gagan Sponge Iron Pvt. Ltd.	Jharkhand
79.	Urma Paharitola	Jharkhand State Electricity Board, Bihar State Mineral Development Corporation Ltd.	Jharkhand
80.	Rohne	JSW Steel Ltd., Bhushan Power & Steel Ltd., Jai Balaji Industries Ltd.	Jharkhand
81.	Gomia	Metals and Minerals Trading Corporation	Jharkhand
82.	Rajhara North (Central & Eastern)	Mukund Limited, Vini Iron & Steel Udyog Limited	Jharkhand
83.	Dumri	Nilachal Iron & Power Ltd., Bajrang Ispat Pvt. Ltd.	Jharkhand
84.	Kerandari	National Thermal Power Ltd.	Jharkhand
85.	Chatti Bariatu	National Thermal Power Ltd.	Jharkhand
86.	Chhati Bariatu South	National Thermal Power Ltd.	Jharkhand
87.	Brahmini	National Thermal Power Ltd.+ Coal India Limited JV	Jharkhand
88.	Chichro Patsimal	National Thermal Power Ltd.+ Coal India Limited JV	Jharkhand
89.	Pachwara Central	Punjab State Electricity Board	Jharkhand
90.	Mahal	Rashtriya Ispat Nigam Limited	Jharkhand
91.	Tenughat-Jhirki	Rashtriya Ispat Nigam Limited	Jharkhand
92.	Bundu	Rungta Mines Limited	Jharkhand
93.	Mednirai	Rungta Mines Limited, Kohinoor Steel (P) Ltd.	Jharkhand
94.	Choritand Tiliaya	Rungta Mines Limited, Sunflag Iron & Steel Co. Ltd.	Jharkhand
95.	Sitanala	Steel Authority of India Ltd.	Jharkhand
96.	Ganeshpur	Tata Steel Ltd., Adhunik Thermal Energy	Jharkhand
97.	Badam	Tenughat Vidyut Nigam Limited	Jharkhand

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
98.	Rajbar E&D	Tenughat Vidyut Nigam Limited	Jharkhand
99.	Gondulpara	Tenughat Vidyut Nigam Limited, Damodar Valley Corporation	Jharkhand
100.	Kotre -Basantpur	Tata Iron and Steel Co. Ltd.(Now Tata Steel Ltd.)	Jharkhand
101.	Pachmo	Tata Iron and Steel Co. Ltd. (Now Tata Steel Ltd.)	Jharkhand
102.	Lohari	Usha Martin Ltd.	Jharkhand
103.	Kathautia	Usha Martin Ltd.	Jharkhand
104.	Pachwara North	West Bengal Power Development Corporation Limited (WBPDCCL)	Jharkhand
105.	Suliyari	Andhra Pradesh Mineral Development Corporation	Madhya Pradesh
106.	Bikram	Birla Corporation Ltd.	Madhya Pradesh
107.	Gotitoria (East)	BLA Industries Ltd.	Madhya Pradesh
108.	Gotitoria (West)	BLA Industries Ltd.	Madhya Pradesh
109.	Mahan	Essar Power Ltd., Hindalco Industries Ltd.	Madhya Pradesh
110.	Mandla North	Jaipraskash Associates Ltd.	Madhya Pradesh
111.	Urtan North	Jindal Steel & Power Ltd., Monet Ispat and Energy Ltd.	Madhya Pradesh
112.	Thesgora-B/ Rudrapuri	Kamal Sponge Steel & Power Limited, Revati Cement P. Ltd.	Madhya Pradesh
113.	Amelia	Madhya Pradesh State Mining Corporation	Madhya Pradesh
114.	Amelia (North)	Madhya Pradesh State Mining Corporation	Madhya Pradesh
115.	Mandla South	Madhya Pradesh State Mining Corporation Ltd.	Madhya Pradesh
116.	Dongeri Tal-II	Madhya Pradesh State Mining Corporation Ltd. (MPSMC)	Madhya Pradesh
117.	Marki Barka	Madhya Pradesh State Mining Corporation (MPSMC)	Madhya Pradesh
118.	Semaria/Piparia	Madhya Pradesh State Mining Corporation (MPSMC)	Madhya Pradesh
119.	Bicharpur	Madhya Pradesh State Mining Corporation Ltd. (MPSMC)	Madhya Pradesh
120.	Tandsi-III & Tandsi -III (Extn.)	Mideast Integrated Steels Ltd.	Madhya Pradesh
121.	Sahapur East	National Mineral Dev. Corp.	Madhya Pradesh
122.	Sahapur West	National Mineral Dev. Corp.	Madhya Pradesh
123.	Mara II Mahan	NCT of Delhi, Delhi, Haryana Power Generation Corp. Ltd. (HPGCL)	Madhya Pradesh
124.	Sial Ghoghri	Prism Cement Limited	Madhya Pradesh
125.	Brahampuri	Pushp Steel and Mining Ltd.	Madhya Pradesh
126.	Rawanwara North	SKS Ispat Limited	Madhya Pradesh
127.	Bander	AMR Iron & Steels Pvt. Ltd., Century Textiles & Industries Ltd., J.K.Cement Ltd.	Maharashtra
128.	Marki Mangli-I	B.S. Ispat Ltd.	Maharashtra
129.	Takli-Jena- Bellora (North) & Takli-Jena- Bellora (South)	Central Collieries Co. Ltd. and Lloyds Metals & Engineering Ltd.	Maharashtra
130.	Dahegaon/ Makard hokra- IV	IST Steel & Power Ltd., Gujarat Ambuja Cement Ltd., Lafarge India Pvt. Ltd.	Maharashtra

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
131.	Gondkhari	Maharashtra Seamless Limited, Dhariwal Infrastructure (P) Ltd., Kesoram Industries Ltd.	Maharashtra
132.	Marki-Zari-Jamani-Adkoli	Maharashtra State Mining Corpn. Ltd.	Maharashtra
133.	Lohara (East)	Murli Industries Ltd., Grace Industries Ltd.	Maharashtra
134.	Khappa & Extn.	Sunflag Iron & Steel Ltd., Dalmia Cement (Bharat) Ltd.	Maharashtra
135.	Lohara West Extn.	Adani Power Ltd.	Maharashtra
136.	Warora West (North)	Bhatia International Ltd.	Maharashtra
137.	Kosar Dongergaon	Chaman Metaliks Ltd.	Maharashtra
138.	Warora (West) Southern Part	Fieldmining & Ispat Ltd.	Maharashtra
139.	Chinora	Fieldmining & Ispat Ltd.	Maharashtra
140.	Majra	Gondwana Ispat Ltd.	Maharashtra
141.	Nerad Malegaon	Gupta Metaliks & Power Ltd., Gupta Coalfields & Washeries Ltd.	Maharashtra
142.	Baranj - I	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
143.	Baranj - II	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
144.	Baranj - III	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
145.	Baranj - IV	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
146.	Kiloni	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
147.	Manora Deep	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
148.	Agarzari	Maharashtra State Mining Corporation Limited (MSMCL)	Maharashtra
149.	Warora	Maharashtra State Mining Corporation Limited (MSMCL)	Maharashtra
150.	Bhandak West	Shree Baidyanath Ayurved Bhawan Ltd.	Maharashtra
151.	Marki Mangli-II	Shree Veerangana Steel Limited.	Maharashtra
152.	Marki Mangli-III	Shree Veerangana Steel Limited.	Maharashtra
153.	Marki Mangli-IV	Shree Veerangana Steel Limited.	Maharashtra
154.	Belgaon	Sunflag Iron & Steel Co. Ltd.	Maharashtra
155.	Mandakini B	Assam Mineral Dev. Corporation Ltd., Meghalaya Mineral Dev. Corp, Tamil Nadu Electricity Board, Orissa Mining Corporation Ltd.	Orissa
156.	New Patrapara	Bhusan Steel & Strips Ltd., Adhunik Metaliks Ltd., Deepak Steel & Power Ltd., Adhunik Corp. Ltd., Orissa Sponge Iron Ltd., SMC Power Generation Ltd., Sree Metaliks Ltd., Visa Steel Ltd.	Orissa
157.	Bijahan	Bhushan Ltd., Shri Mahavir Ferro Alloys Pvt. Limited	Orissa
158.	Jamkhani	Bhushan Ltd.	Orissa
159.	Naini	Gujarat Mineral Development Corporation, Pondichery Industrial Promotion Development and Investment Corporation Limited	Orissa
160.	Mahanadi	Gujarat State Electricity Corporation Limited, Maharashtra State Electricity Board	Orissa
161.	Machhakata	Gujarat State Electricity Corporation Limited, Maharashtra State Electricity Board	Orissa

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
162.	Talabira-I	Hindalco Industries Ltd.	Orissa
163.	Ramchandi Promotion Block	Jindal Steel & Power Limited	Orissa
164.	Utkal B 1	Jindal Steel & Power Ltd.	Orissa
165.	Baitarni West	Kerala State Electricity Board, Orissa Hydro Power Corp., Gujarat Power Corporation Ltd.	Orissa
166.	Talabira II & III	Mahanadi Coalfields Ltd. (MCL), Neyveli Lignite Corporation Ltd., Hindalco Industries Ltd.	Orissa
167.	Utkal-A	Mahanadi Coalfields Ltd. (MCL), JSW Steels Ltd., Jindal Thermal Power Comp. Ltd., Jindal Stainless Steels Ltd., Shyam DRI Ltd.	Orissa
168.	Utkal-B2	Monet Ispat Ltd.	Orissa
169.	Mandakini	Monet Ispat Energy Ltd., Jindal Photo Ltd., Tata Power Company Ltd.	Orissa
170.	Utkal-E	National Aluminium Corporation	Orissa
171.	Dulanga	National Thermal Power Corporation	Orissa
172.	Utkal-D	Orissa Mining Corporation	Orissa
173.	Nuagaon Telisahi	Orissa Mining Corporation, Andhra Pradesh Mineral Development (APMDC)	Orissa
174.	Manoharpur	Orissa Power Generation Corporation	Orissa
175.	Dipside Manoharpur	Orissa Power Generation Corporation	Orissa
176.	Radhikapur(West)	Rungta Mines Limited, OCL India Ltd., Ocean Ispat Ltd.	Orissa
177.	Rampia	Sterlite Energy Ltd., (IPP), GMR Energy Ltd. (IPP), Arcelor Mittal India Ltd. (CPP), Lanco Group Ltd. (IPP), Navbharat Power Pvt. Ltd. (IPP), Reliance Energy Ltd. (IPP)	Orissa
178.	Dipside of Rampia	Sterlite Energy Ltd., (IPP), GMR Energy (IPP), Arcelor Mittal India Ltd. (CPP), Lanco Group Ltd. (IPP), Navbharat Power Pvt. Ltd. (IPP), Reliance Energy Ltd. (IPP)	Orissa
179.	North of Arkhupal Srirampur	Strategic Energy Technology Systems Limited (SETSL)	Orissa
180.	Radhikapur (East)	Tata Sponge Iron Ltd., Scaw Industries Ltd., SPS Sponge Iron Ltd.	Orissa
181.	Chendipada	Uttar Pradesh Rajya Vidut Utpadan Limited, Chhattisgarh Mineral Development Corporation Limited, Maharashtra State Power Generation Corporation Ltd.	Orissa
182.	Chendipada-II	Uttar Pradesh Rajya Vidut Utpadan Limited, Chhattisgarh Mineral Development Corporation Limited, Maharashtra State Power Generation Corporation Ltd.	Orissa
183.	Utkal-C	Utkal Coal Ltd. (formerly ICCL)	Orissa
184.	Biharinath	Bankura DRI Mining Manufacturers Co. Pvt. Ltd.	West Bengal
185.	Andal East	Bhushan Steel Ltd., Jai Balaji Industries Ltd., Rashmi Cement Ltd.	West Bengal
186.	Barjora (North)	Damodar Valley Corporation	West Bengal
187.	Kagra Joydev	Damodar Valley Corporation	West Bengal
188.	Kasta (East)	Damodar Valley Corporation	West Bengal
189.	Gourangdih ABC	Himachal EMTA Power Ltd., JSW Steel Ltd.	West Bengal

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
190.	Moira-Madhujore	Ramsarup Lohh Udyog Ltd., Adhunik Corporation Ltd., Uttam Galva Steels Ltd., Howrah Gases Ltd., Vikas Metal & Power Ltd., ACC Ltd.	West Bengal
191.	Sarisatolli	Calcutta Electricity Supply Corporation Ltd.	West Bengal
192.	Ardhagram	Sova Ispat Limited, Jaibalaji Sponge Ltd.	West Bengal
193.	Tara (West)	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal
194.	Gangaramchak	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal
195.	Barjora	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal
196.	Gangaramchak-Bhadulia	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal
197.	Tara (East)	West Bengal State Electricity Board	West Bengal
198.	Jaganathpur B	West Bengal Mineral Development & Trading Corp.	West Bengal
199.	Sitarampur	West Bengal Mineral Dev. & Trading Corp. Ltd.	West Bengal
200.	Trans Damodar	West Bengal Mineral Dev. & Trading Corp. Ltd.	West Bengal
201.	Ichhapur	West Bengal Mineral Dev. & Trading Corp. Ltd.	West Bengal
202.	Kulti	West Bengal Mineral Dev. & Trading Corp. Ltd.	West Bengal
203.	Jaganathpur A	West Bengal Mineral Dev. & Trading Corp. Ltd.	West Bengal
204.	East of Damogoria (Kalyaneshwari)	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal

SCHEDULE-II

[See section 3(1)(q)]

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
1.	Namchik Namphuk	Arunachal Pradesh Mineral Dev. & Trading Corporation	Arunachal Pradesh
2.	Gare-Palma- IV/4	Jayaswal Neco Ltd.	Chhattisgarh
3.	Gare-Palma-IV/2	Jindal Power Ltd. (Now Jindal Steel & Power Ltd.)	Chhattisgarh
4.	Gare-Palma-IV/3	Jindal Power Ltd. (Now Jindal Steel & Power Ltd.)	Chhattisgarh
5.	Gare-Palma-IV/1	Jindal Strips Limited (Now Jindal Steel & Power Ltd.)	Chhattisgarh
6.	Gare-Palma-IV/5	Monet Ispat Ltd.	Chhattisgarh
7.	Chotia	Prakash Industries Ltd.	Chhattisgarh
8.	Gare-Palma-IV/7	Raipur Alloys & Steel Ltd. (Now Sarda Energy and Mineral Limited)	Chhattisgarh
9.	Parsa East	Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RRVUNL)	Chhattisgarh
10.	Kanta Basan	Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RRVUNL)	Chhattisgarh
11.	Parbatpur-Central	Electrosteel Castings Ltd.	Jharkhand
12.	Tokisud North	GVK Power (Govindwal Sahib) Ltd.	Jharkhand
13.	Pachwara Central	Punjab State Electricity Board	Jharkhand
14.	Kathautia	Usha Martin Ltd.	Jharkhand
15.	Pachwara North	West Bengal Power Development Corporation Limited (WBPDCCL)	Jharkhand
16.	Gotitoria (East)	BLA Industries Ltd.	Madhya Pradesh
17.	Gotitoria (West)	BLA Industries Ltd.	Madhya Pradesh
18.	Mandla North	Jaiprakash Associates Ltd.	Madhya Pradesh
19.	Amelia (North)	Madhya Pradesh State Mining Corporation	Madhya Pradesh
20.	Bicharpur	Madhya Pradesh State Mining Corporation Ltd.(MPSMC)	Madhya Pradesh
21.	Sial Ghoghri	Prism Cement Limited	Madhya Pradesh
22.	Marki Mangli-I	B.S. Ispat Ltd.	Maharashtra
23.	Baranj-I	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
24.	Baranj-II	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
25.	Baranj-III	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
26.	Baranj-IV	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
27.	Kiloni	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
28.	Manora Deep	Karnataka Power Corp. Ltd. (KPCL)	Maharashtra
29.	Marki Mangli-II	Shree Veerangana Steels Limited	Maharashtra
30.	Marki Mangli-III	Shree Veerangana Steels Limited	Maharashtra
31.	Belgaon	Sunflag Iron & Steel Co. Ltd.	Maharashtra
32.	Talabira-I	Hindalco Industries Ltd.	Orissa
33.	Barjora (North)	Damodar Valley Corporation	West Bengal
34.	Kagra Joydev	Damodar Valley Corporation	West Bengal
35.	Sarisatolli	Calcutta Electricity Supply Corporation Ltd.	West Bengal
36.	Ardhagram	Sova Ispat Limited, Jai Balaji Sponge Ltd.	West Bengal
37.	Tara (West)	West Bengal Power Development Corporation Limited (WBPDCCL)	West Bengal
38.	Gangaramchak	West Bengal Power Development Corporation Limited (WBPDCCL)	West Bengal

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
39.	Barjora	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal
40.	Gangaramchak-Bhadulia	West Bengal Power Development Corporation Limited (WBPDC)	West Bengal
41.	Tara (East)	West Bengal State Electricity Board	West Bengal
42.	Trans Damodar	West Bengal Mineral Dev. & Trading Corp. Ltd.	West Bengal

SCHEDULE III

[See section 3(1)(r)]

Sl. No.	Name of Coal Mine/Block	Name of Prior Allottee	State where Coal Mine/Block Located
1.	Durgapur-II/Taraimar	Bharat Aluminium Company Ltd.	Chhattisgarh
2.	Durgapur-II/Sarya	DB Power Ltd.	Chhattisgarh
3.	Gare Pelma Sector III	Goa Industrial Development Corporation	Chhattisgarh
4.	Gare Palma IV/8	Jayaswal Neco Ltd.	Chhattisgarh
5.	Talaipali	National Thermal Power Ltd.	Chhattisgarh
6.	Chatti Bariatu	National Thermal Power Ltd.	Jharkhand
7.	Mahan	Essar Power Ltd., Hindalco Industries Ltd.	Madhya Pradesh
8.	Mandla South	Madhya Pradesh State Mining Corporation Ltd.	Madhya Pradesh
9.	Dongeri Tal-II	Madhya Pradesh State Mining Corporation Ltd. (MPSMC)	Madhya Pradesh
10.	Kosar Dongergaon	Chaman Metaliks Ltd.	Maharashtra
11.	Nerad Malegaon	Gupta Metallics & Power Ltd., Gupta Coalfields & Washeries Ltd.	Maharashtra
12.	Marki Mangli-IV	Shree Veerangana Steel Limited	Maharashtra
13.	Jamkhani	Bhushan Ltd.	Orissa
14.	Utkal B 1	Jindal Steel & Power Ltd.	Orissa
15.	Utkal-B2	Monet Ispat Ltd.	Orissa
16.	Mandakini	Monet Ispat Energy Ltd., Jindal Photo Ltd., Tata Power Company Ltd.	Orissa
17.	Utkal-C	Utkal Coal Ltd. (formerly ICCL)	Orissa
18.	Brinda	Abhijeet Infrastructure Pvt. Ltd.	Jharkhand
19.	Sasai	Abhijeet Infrastructure Pvt. Ltd.	Jharkhand
20.	Meral	Abhijeet Infrastructure Pvt. Ltd.	Jharkhand
21.	Moitra	Jayaswal Neco Ltd.	Jharkhand
22.	Jitpur	Jindal Steel & Power Ltd.	Jharkhand
23.	Rohne	JSW Steel Ltd., Bhushan Power & Steel Ltd., Jai Balaji Industries Ltd.	Jharkhand
24.	Dumri	Nilachal Iron & Power Ltd., Bajrang Ispat Pvt. Ltd.	Jharkhand
25.	Kerandari	National Thermal Power Ltd.	Jharkhand
26.	Sitanala	Steel Authority of India Ltd.	Jharkhand
27.	Ganeshpur	Tata Steel Ltd., Adhunik Thermal Energy	Jharkhand
28.	Badam	Tenughat Vidyut Nigam Limited	Jharkhand
29.	Tara	Chhattisgarh Mineral Development Corporation Ltd.	Chhattisgarh
30.	Lohari	Usha Martin Ltd.	Jharkhand
31.	Dulanga	National Thermal Power Corporation	Orissa
32.	Manoharpur	Orissa Power Generation Corporation	Orissa

SCHEDULE IV

(See section 28)

PART-A**THE COAL MINES (NATIONALISATION) ACT, 1973
(26 OF 1973)**

Amendment of section 1A. **1.** In the Coal Mines (Nationalisation) Act, 1973 (herein referred to as the principal Act), in sub-section (1) of section 1A, after the word and figure "section 3", the word, figure and letter ", section 3A" shall be inserted.

Insertion of new section 3A. **2.** After section 3 of the principal Act, the following section shall be inserted, namely:—

Mining operation by company and others. "3A. (1) Notwithstanding anything contained in this Act, any person being—

(a) a Government company or corporation or a joint venture company formed by such company or corporation or between the Central Government or the State Government, as the case may, or any other company incorporated in India; or

(b) a company or a joint venture company formed by two or more companies, may carry on coal mining operations in India, in any form either for own consumption, sale or for any other purpose in accordance with the prospecting licence or mining lease, as the case may be.

(2) The Central Government may, with a view to rationalise such coal mines so as to ensure the co-ordinated and scientific development and utilisation of coal resources consistent with the growing requirements of the country, from time to time, prescribe—

(i) the coal mines or coal bearing areas and their location;

(ii) the minimum size of the coal mine or coal bearing areas;

(iii) such other conditions,

which in the opinion of that Government may be necessary for the purpose of coal mining operations or mining for sale by a company.

Explanation.—For the purposes of this section, "company" means a company as defined in clause (20) of section 2 of the Companies Act, 2013."

18 of 2013.

Amendment of section 34. **3.** In section 34 of the principal Act, in sub-section (2), after clause (a), the following clause shall be inserted, namely:—

"(aa) the coal mines or coal bearing areas and their location, the minimum size of the coal mine or coal bearing areas, and such other conditions which may be necessary for the purpose of coal mining operations including mining for sale by a company under sub-section (2) of section 3A."

PART-B**THE MINES AND MINERALS (DEVELOPMENT AND REGULATION) ACT, 1957
(67 OF 1957)**

Substitution of new section for section 11A. **1.** In the Mines and Minerals (Development and Regulation) Act, 1957 (herein referred to as the principal Act), for section 11A, the following section shall be substituted, namely:—

Granting of reconnaissance permit, prospecting licence or mining lease. "11A. (1) Notwithstanding anything contained in this Act, the Central Government may, for the purpose of granting reconnaissance permit, prospecting licence or mining lease in respect of any area containing coal or lignite, select any of the following companies through auction by competitive bidding, on such terms and conditions as may be prescribed, namely:—

(a) a Government company or corporation or a joint venture company formed by such company or corporation or between the Central Government or the State Government, as the case may, or any other company incorporated in India; or

(b) a company or a joint venture company formed by two or more companies, may carry on coal mining operations in India, in any form either for own consumption, sale or for any other purpose in accordance with the permit, prospecting licence or mining lease, as the case may be.

(2) The Central Government may, with a view to rationalise coal and lignite mines referred to in sub-section (1), so as to ensure the co-ordinated and scientific development and utilisation of resources consistent with the growing requirements of the country, from time to time, prescribe—

(i) the details of mines and their location;

(ii) the minimum size of the such mines;

(iii) such other conditions,

which in the opinion of that Government may be necessary for the purpose of mining operations or mining for sale by a company.

(3) The State Government shall grant such reconnaissance permit, prospecting licence or mining lease in respect of any area containing coal or lignite to such company as selected through auction by competitive bidding or otherwise under this section:

Provided that the auction by competitive bidding under this section shall not be applicable to an area containing coal or lignite—

(a) where such area is considered for allocation to a Government company or corporation or a joint venture company formed by such company or corporation or between the Central Government or the State Government, as the case may be;

(b) where such area is considered for allocation to a company or corporation or that has been awarded a power project on the basis of competitive bids for tariff (including Ultra Mega Power Projects).

Explanation.—For the purposes of this section, "company" means a company as defined in clause (20) of section 2 of the Companies Act, 2013."

18 of 2013.

3. In section 13 of the principal Act, in sub-section (2), for clause (d), the following clause shall be substituted, namely:—

Amendment
of section 13.

"(d) the terms and conditions of auction by competitive bidding, the details of mines and their location, the minimum size of such mines and such other conditions which may be necessary for the purpose of coal mining operations including mining for sale by a company under sub-section (1) and sub-section (2) of section 11A."

PRANAB MUKHERJEE,
President.

DR. SANJAY SINGH,
Secretary to the Govt. of India.

Government of India
Ministry of Coal
O/o the Nominated Authority

World Trade Tower, New Delhi

Office of the nominated authority constituted under section 6 of the Coal Mines (Special Provisions) Second Ordinance, 2014.

Allotment order under clause (c) of sub-rule (2) of rule 7 and sub-rule (1) of rule 13

In re: **Barjora (North) Coal Mine** (the "mine") particulars of which is specified in **Annexure 1**

Order no.: 103/7/2015/NA

Date: March 31, 2015

In favour of: **The West Bengal Power Development Corporation Limited** incorporated in India under the Companies Act, 1956 with corporate identity number U40104WB1985SGC039154, whose registered office is at 3/C, LA-Block, Sector-III, Salt Lake, Kolkata, West Bengal - 700098, India (the "Allottee")

For utilisation in: End Use Plant situated at (i) Santaldih, Purulia, West Bengal – 723146; (ii) Mecheda, Medinipur, West Bengal – 721137; (iii) Birbhum, West Bengal – 712503; (iv) Tribeni, Hooghly, West Bengal – 712503; (v) Manigram, Murshidabad, West Bengal – 742237 as more particularly described below (the "End Use Plant")

S.No.	Name of Specified End Use Plant	Address	Configuration	Capacity
1	Santaldih TPS	Santaldih, Purulia, West Bengal- 723146	2 x 250 MW	500MW
2	Kolaghat TPS	Mecheda, Medinipur, West Bengal-721137	6 X 210 MW	1260MW
3	Bakreswar TPP	Birbhum, West Bengal- 712503	5 X 210 MW	1050MW
4	Bandel PS,	Tribeni, Hooghly, West Bengal- 712503	4 X 60 MW 1 X 210 MW	450MW
5	Sagardihi TPP Unit 1 & 2	PO-Manigram, Distt.- Murshidabad, West Bengal-742237	2 X 300 MW	600MW
6	Sagardihi TPP Unit 3 & 4	PO-Manigram, Distt.- Murshidabad, West Bengal-742237	2 X 500 MW	1000MW

*MW stands for Mega Watt

Section 1

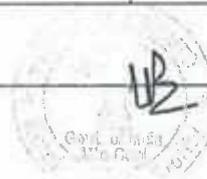


हिटलर सिंह / HTLA R SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

[This document contains Section I - Section VII]



RQP Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009



Page 1 of 3

WHEREAS, the nominated authority has, in accordance with the provisions the Coal Mines (Special Provisions) Second Ordinance, 2014 (the "Ordinance") and the Coal Mines (Special Provisions) Rules 2014 (the "rules") conducted the allotment of the relevant Schedule I coal mine;

AND WHEREAS the allottee is eligible to receive this allotment order with respect to the mine, including, inter-alia -

- (a) the coal bearing land acquired by the prior allottee and the lands, in or adjacent to the coal mines used for coal mining operations acquired by the prior allottee; and
- (b) any existing mine infrastructure as defined in clause (j) of sub-section(1) of section 3 of the Ordinance;

AND WHEREAS the Allottee has furnished an undertaking dated March 28, 2015 to furnish performance bank guarantee, upfront payment and fixed amount within April 25, 2015 failing which the Allotment Order shall be terminated in accordance with the Allotment Agreement;

AND WHEREAS the allottee has entered into an Allotment Agreement dated March 26, 2015 with the nominated authority in accordance with the provisions of sub-rule (5) of rule 13.

NOW, THE NOMINATED AUTHORITY DOES ORDER:

1. On and from April 1, 2015 ("allotment date") and in accordance with sub-section (4) of section 8 read with sub-section (12) section 8 of the Ordinance, with respect to the mine, the following shall stand fully and absolutely transferred and vested in the allottee, namely: -
 - (a) all the rights, title and interest of the prior allottee in and over the land and mine infrastructure free from all encumbrances;
 - (b) entitlement to a mining lease to be granted by the State Government with the terms and conditions of Allotment Agreement forming a part of it on making an application;
 - (c) all statutory licences, permits, permissions, approvals or consents as per rules, required to undertake coal mining operations in the mine, if already issued by the Central Government, to the prior allottee on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 2**;
 - (d) entitlement to any statutory licence, permit, permission, approval or consent required to undertake coal mining operations in the mine, if already issued by the Central Government, to the prior allottee on making an application on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 3**;
 - (e) entitlement to any statutory licence, permit, permission, approval or consent required to undertake coal mining operations in the mine, if already issued by the State Government, to the prior allottee on making an application on the

Section 1

HITLAR SINGH / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

[This document contains Section 1 - Section VII]

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RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPA.
Dt 07 10 2009

same terms and conditions as were applicable to the prior allottee, as listed in the Annexure 4;

- (f) rights appurtenant to the approved mining plan of the prior allottee;
 - (g) any subsisting contract in relation to coal mining operations, to which the prior allottee was a party and which is assumed, adopted and continued by the Allottee and listed in the Annexure 5 shall stand novated (by virtue of a deemed consent from the relevant party(ies)), in accordance with the provisions of sub-section (1) of section 11 of the Ordinance in favour of the allottee for the residual term or residual performance of such contract;
2. The Allottee may seek any change in the terms and conditions attached to such licence, permit, permission, approval or consent by making an application in accordance with applicable laws;
 3. Hereinafter, the Allottee shall be entitled to take possession of the mine as specified in Annexure-I without let or hindrance;
 3. This allotment order is liable to be cancelled in accordance with the provisions of sub-rule (6) of rule 13.

Vivek Bhargava

(By the nominated authority)



Section I

[This document contains Section I - Section VI]

Page 3 of 3

हिटलर सिंह / HITLAR SINGH
अपर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

RQP Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

F. No. 103/07/2015/NA
Government of India
Ministry of Coal
O/o the Nominated Authority

131 Ground Floor, World Trade Centre, Babar Road, New Delhi

Corrigendum No. 1 to the Allotment order no. 103/07/2015/NA dated 31st March 2015.

In re: Barjora North Coal Mine (the "mine")

Date: 3rd March 2017

In favour of: **The West Bengal Power Development Corporation Limited** incorporated in India under the Companies Act, 1956 with corporate identity number U40104 WB 1985SGC039154, whose registered office is at 3/C, LA-Block, Sector-III, Salt Lake, Kolkata, West Bengal - 700098, India (the "Allottee")

WHEREAS, The Nominated Authority has, in accordance with provisions of the Coal Mines (Special Provisions) Act, 2015 (the "Act") and the Coal Mines (Special Provisions) Rules 2014 (the "Rules") issued Allotment order No. 103/07/2015/NA dated 31st March 2015.

AND WHEREAS, M/s. CMPDIL has informed that the bounding co-ordinates vested to M/s WBPDCI vide the Allotment Order are in old Modified Everest System taken from the text part of the GR prepared in the year 1999 which varies significantly with the Geological Plan.

AND WHEREAS, M/s. CMPDIL has informed that fresh survey has been undertaken in WGS-84 datum and the block boundary has been fixed and plotted in WGS-84 datum, which has been agreed upon by the Allottee. As such the Bounding Geographical Co-ordinates in the Allotment order may be modified.

AND WHEREAS, M/s CMPDIL has further intimated that the village names in the Allotment Order were based on the Mine Plan prepared by DVC EMTA Coal Mines Ltd. The name of the villages submitted by the Allottee are now based on the Cadastral Map collected from the State Government. The same is superimposed on the Geological Block Boundary and authenticated by the Allottee and which, subsequently has been examined by CMPDIL as well and it has been found that there is substantial change in the names of villages from those vested vide the Allotment Order.

हि

हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
दोयल, मंत्रालय / Ministry of Coal
भारत, सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

AP Singh

RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

**F. No.103/07/2015/NA
Government of India
Ministry of Coal
O/o the Nominated Authority**

**131 Ground Floor, World Trade Centre, Babar Road,
New Delhi-110001, Dated 7th March, 2017**

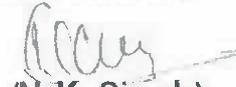
To,
The Chairman and Managing Director,
West Bengal Power Development Corp. Ltd,
Bidyut Unnayan Bhaban,
Plot No. 3/C, LA. Block, Sector-III,
Salt Lake City, Kolkata-700098

**Subject: Corrigendum No. 01 to the Allotment Order
dated 31st March 2015 in respect of Barjora
North coal mine.**

I am directed to refer to the subject mentioned above and to forward herewith Corrigendum No. 01 dated 7th March'2017 (in original) to the Allotment order No. 103/07/2015/NA dated 31st March 2015 in respect of Barjora North coal mine.

Encl: As above

Yours faithfully


(N.K. Singh)

Deputy Secretary to the Government of India
Tel. No.-011 23414137

Copy along with enclosure for information to:

1. Coal Controller, Coal Controller Organization, Kolkata, West Bengal
2. CMD, CMPDIL, Ranchi
3. US(CBA-II), Ministry of Coal


हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi


RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

AND WHEREAS, considering such request the matter was examined and it was felt necessary to modify the Geographical Bounding co-ordinates and the village names in the Allotment Order.

NOW THEREFORE, following corrigendum to the Allotment Order is issued:

In Annexure I of the Allotment Order, Part A is hereby modified as follows.

Annexure 1: Particulars of the mine

Part A – Description of the mine

Coal Mine	Barjora North
Latitude	23°25'59.238" N to 23°27'42.094" N
Longitude	87°13'17.106" E to 87°15'26.268" E
Coalfield	Barjora
Villages	Baguli, Manohar, Barapikuria, Tikargram, Sarjora, Gutgoria, Sitarampur
District	Bankura
State	West Bengal

Vivek Bharadwaj
(Vivek Bharadwaj)
Nominated Authority

AP Singh
RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

H
हिटलर सिंह / HITLAR SINGH
उप सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

10880/15 ANNEXURE-2

I

02979/15

Annexure-F



पश्चिम बंगाल पश्चिम बंगाल WEST BENGAL



V 085481

FORM K

Mining Lease for Coal at Barjora (North) Coal Mine

(Rule 31)

2-20 B.M.
31/12/15
A. Annual fee including
Surface rent and water rate
Assess. Rs. 1,65,37,451/-
Additional Registrar of Assurances
Kolkata

THIS INDENTURE made this... 4th... day of August 2015 between the Governor of West Bengal (hereinafter referred to as the 'State Government' which expression shall where the context so admits be deemed to include the successors and assigns) of the one part

Certified that the Document is admitted to Registration. The Signatures, Seal and the endorsement papers affixed on this document are the part of this Document.

AND

The West Bengal Power Development Corporation Limited, a company registered under the Companies Act, 1956 and having its registered office at 'Bidyut Unnayan Bhaban, Plot No. 3/C, LA-Block, Sector-III, Salt Lake, Kolkata - 700 098 (hereinafter referred to as 'the lessee' which expression shall where the context so admits be deemed to include its successors and permitted assigns), of the other part.

S. S. Saha
Director (O & M)
Owner of the Mine
WBPDCL

Ajit Kr. Mandal, WBSS
Deputy Secretary
Commerce & Industries Department
Govt. of West Bengal

Additional Registrar of Assurances - Kolkata
8 DEC 2009

RQP: Abhai Pratap Singh
Reg No 34011/(50)/2009-CP.
Dt 07 10 2009

हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

PLOT SCHEDULE OF THE AREA FOR MINING LEASE FOR COAL IN RESPECT OF BARJORA (NORTH) COAL MINE, P.S. BARJORA, DIST. BANKURA OF THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED.

Sl No.	Mouza	J. L. No.	Plot Nos. [R.S. NO.]	Area in Acres
1.	Tikargram	11	1255 (P), 1256 (P), 1258(P), 1259-1277, 1278 (P), 1279 (P), 1280 (P), 1281, 1282, 1283(P), 1284 (P), 1285, 1286(P), 1287-1297, 1298 (P), 1308 (P), 1309 (P), 1310 (P), 1311(P), 1313(P), 1275/ 1844, 1275/ 1845	4.19
2.	Saharjora	26	1854/2275(P), 1862, 1863	5.39
3.	Ghutgoria	24	2033(P), 2034, 2035(P), 2039(P), 2040, 2041, 2043(P), 2044, 2045(P), 2046(P), 2048(P), 2062(P), 2063-2065, 2066(P), 2067(P), 2068, 2069(P), 2071(P), 2072 (P), 2074(P), 2075(P), 2076-2080, 2081(P), 2083(P), 2084(P), 2085, 2094(P), 2095-2102, 2103(P), 2177(P), 2150/ 2715, 2197(P)-2199(P), 2200, 2201(P), 2204(P), 2205(P), 2208(P), 2209(P), 2210-2218, 2219(P), 2220(P), 2221-2297, 2299, 2300(P), 2301-2303, 2304(P), 2305, 2306(P), 2309(P), 2317(P), 2354(P), 2355(P), 2358(P), 2359, 2361(P), 2362(P), 2363(P), 2372(P), 2373(P), 2374, 2375(P), 2376-2443, 2444(P), 2445-2656, 2658-2660, 2677, 2682(P), 2685, 2688, 2471/ 2713, 2612/ 2720, 2257/ 2766,	71.55
4.	Manohar	08	1082(P)- 1084(P), 1096(P)- 1098(P), 1099- 1112, 1113(P), 1115(P), 1116(P), 1143(P), 1144-1215, 1216(P)-1218(P), 1219-1222, 1223(P)- 1225(P), 1812(P), 1839(P), 1842(P), 1843(P), 1845(P)-1847(P), 2064(P), 2079(P), 2080(P), 2081, 2082(P), 2086(P), 2087(P), 2088, 2089(P), 2090(P), 2094(P), 2095- 2102, 2103(P)- 2105(P), 2106- 2143, 2144(P), 2145, 2146(P), 2158(P)- 2160(P), 2162(P), 2164(P), 2165(P), 2166- 2172, 2173(P), 2201(P), 2202(P), 2203- 2211, 2212(P), 2213(P), 2215(P)- 2219(P), 2220- 2350, 2351(P), 2352(P), 2353- 2364, 2365(P), 2366(P), 2393(P), 2394(P), 2402(P), 2403, 2404(P), 2406(P), 2407-2415, 2416(P), 2417-2518, 2519(P)-2523 (P), 2524- 2709, 2710(P), 2711, 2713(P), 2714(P), 2721(P), 2722(P), 2734(P), 2735- 2737, 2739, 2746(P), 2748(P), 2750(P), 2753, 2754, 2756-2761, 2763- 2778, 2780- 2862, 2864, 2866, 2867, 2869, 2705/ 2870, 2750/ 2873, 2863/ 2875, 2518/2879, 2701/ 2880, 2625/ 2881, 2631/ 2882, 2561/ 2883, 2476/ 2893, 2634/ 2894, 2702/ 2898, 2610/ 3065, 2625/ 3066, 2625/ 3067, 2627/ 3068, 2665/ 3069, 2666/ 3070, 2674/ 3071, 2738/ 3080, 2738/ 3081, 2738/ 3082, 2738/ 3083, 2738/ 3084, 2780/ 3085, 2727/ 3088, 2752/ 3089 & 2874[L.R. No. 2752/ 3089], 2451, 2518, 2525, 2529, 2530,	282.66

Syamantak
S. S. Sen
 Director (O & M)
 Owner of the Mine
 WBPDCCL

Ajit Kr. Mandal

Ajit Kr. Mandal, WBSS
 Deputy Secretary
 Commerce & Industries Department
 Govt. of West Bengal

हिटलर सिंह / HITLAR SINGH
 सचिव / Under Secretary
 कोयला मंत्रालय / Ministry of Coal
 भारत सरकार / Govt. of India
 शास्त्री भवन / Shastri Bhawan
 नई दिल्ली / New Delhi

AP Singh
RQP- Abhai Pratap Singh
 Reg No 34011/(50)/2009-CPAN
 Dt 07 10 2009

			2531, 2537, 2555, 2625, 2628, 2633, 2627, 2699, 2700, 2710, 2678, 2705/ 2870, 2753, 2754, 2759, 2761, 2763, 2764, 2766, 2767, 2769, 2778, 2782, 2790- 2794, 2798, 2823, 2830, 2836, 2837, 2842, 2843, 2844, 2852, 2855, 2752/ 3089 & 2874 [L.R. No.3144, 3145, 3146, 3147, 3148, 3149, 3150(0.03), 3151(0.12), 3152(0.14), 3153 (0.44)] 2708, 2709.	
5.	Baguli	10	744(P), 746(P), 749(P)- 751(P), 753(P)- 757(P), 758-1149, 1150(P), 1151(P), 1152, 1153(P) - 1156(P), 1159(P), 1160-1179, 1180(P), 1181-1187, 1188(P), 1189(P), 1198(P) - 1200(P), 1203(P), 1204-1210, 1211(P), 1212(P), 1231(P), 1232(P), 1233(P), 1244(P), 1245-1248, 1249(P), 1250, 1251(P), 1252(P), 1256(P), 1270(P), 1233/ 1834(P), 1237/ 1835, 1134/1882, 1133/ 1881, 807/ 1850, 873/ 1851, 899/1852, 956/ 1853, 1033/ 1854, 1063/ 1855, 1063/ 1856, 1064/ 1857, 1064/ 1858, 1112/ 1859,	72.34
6.	Barapukhuria	9	1-115, 116(P), 117(P), 118-155, 156(P), 157-161, 162(P), 163(P), 164, 165(P), 166(P), 167, 187(P), 188-229, 230(P)-232(P), 234(P), 235-274, 275(P), 282(P), 286(P)-290(P), 291-293, 294(P), 295-362, 363(P)-366(P), 367-493, 494(P), 495-502, 503(P), 516(P), 517(P), 519-526, 527(P), 528(P), 531(P)-533(P), 78/609, 131/610, 129/611, 128/612, 187/613, 405/614, 406/615, 528/616(P), 453/617, 6/618, 6/619, 14/620, 21/621, 33/622, 61/623, 61/624, 74/625, 74/626, 120/627, 120/628, 150/629, 153/630, 153/631, 157/632, 159/633, 195/634, 459/635(P), 150/637, 150/638, 150/639, 32/641, 195/642, 254/643, 341/644, 460/645, 254/647, 254/658, 497/649, 497/650, 497/651, 497/652, 497/653, 430/654, 460/655, 460/655, 460/656, 2/657, 2/658.	206.43
			Total:	642.56 acre
			Total Non Forest Area (Rayati + Vested)	= 260.14 Ha

Application made for Mining Lease: 663.00 Ha.

Less (a) For adjustment of industrial (WBI/DCL) area of 49.47 Ha and
(b) For Forest Land of 28.00 Ha

Remaining Area for Mining Lease: 585.53 Ha

Forest Land within Mining Area: 325.39 Ha.

Non Forest Rayatee and Vested Land: 260.14 Ha

- Attached Annexure "B" [Less area of W.B.I.D.C.L Land]

S. Singh
Sgt. Director
Owner of the Mine
WBPDCL

(Signature)

Ajit Kr. Mandal, WBSS
Deputy Secretary
Commerce & Industries Department
Govt. of West Bengal

हिलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कायला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastrri Bhawan
नई दिल्ली / New Delhi

AP Singh
RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

ANNEXURE-B

W.B.I.D.C.L. LAND WITHIN THE MINING LEASE BOUNDARY OF BARJORA (NORTH) COAL MINE, MOUZA GHUTGORIA, JL. NO. 24 IN P.S. BARJORA, DISTRICT BANKURA, WEST BENGAL, OF THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED.

SL. NO.	PLOT NO.	AREA IN ACRES WITHIN MINE BOUNDARY
1	2086	0.10
2	2087	0.23
3	2088	0.34
4	2089	0.12
5	2090	0.55
6	2091	0.15
7	2092	0.54
8	2093	0.06
9	2104	0.05
10	2105 (P)	1.04
11	2126 (P)	1.55
12	2127	3.80
13	2128	0.61
14	2129	0.14
15	2130	0.11
16	2131	0.12
17	2132	0.28
18	2133	0.71
19	2134	0.15
20	2135	0.45
21	2136	0.35
22	2137	0.19
23	2138	0.17
24	2139	0.61
25	2140	0.47
26	2141	0.39
27	2142	0.30
28	2143	0.15
29	2144	0.59
30	2145	0.96
31	2146 (P)	2.20
32	2147	0.29
33	2148	0.41
34	2149	0.11
35	2150	0.07
36	2150/2715	0.04
37	2151 (P)	6.74

S. S. D. I.

S. S. D. I.
Director (O & M)
Owner of the Mine
WBPDCL

हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

Ajit Kr. Mandal
Ajit Kr. Mandal, WBSS
Deputy Secretary
Commerce & Industries Department
Govt. of West Bengal

AP Singh
RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CP
Dt 07 10 2009

SL. NO.	PLOT NO.	AREA IN ACRES WITHIN MINE BOUNDARY
38	2154 (P)	0.27
39	2155 (P)	5.65
40	2156 (P)	0.46
41	2178 (P)	1.24
42	2182 (P)	0.06
43	2199 (P)	1.24
44	2519	1.54
45	2582	0.13
46	2643	0.10
47	2657 (P)	2.55
48	2661	0.60
49	2662	0.46
50	2663	0.68
51	2664	0.92
52	2665	0.42
53	2666 (P)	31.50
54	2666/2768	1.88
55	2667	0.02
56	2668	0.76
57	2669	0.30
58	2669/2769	0.39
59	2669/2770	0.26
60	2670	5.43
61	2671	1.18
62	2672	2.05
63	2673	1.92
64	2674	1.14
65	2675	1.82
66	2676 (P)	17.86
67	2678 (P)	2.40
68	2681 (P)	0.77
69	2683 (P)	0.19
70	2684 (P)	6.50
71	2686	1.75
72	2687	2.01

TOTAL AREA: 121.59 Acres
49.47 Hectare

S. S. Sen

S. S. Sen
Director (O & M)
&
Officer of the Mine
WBPDCL

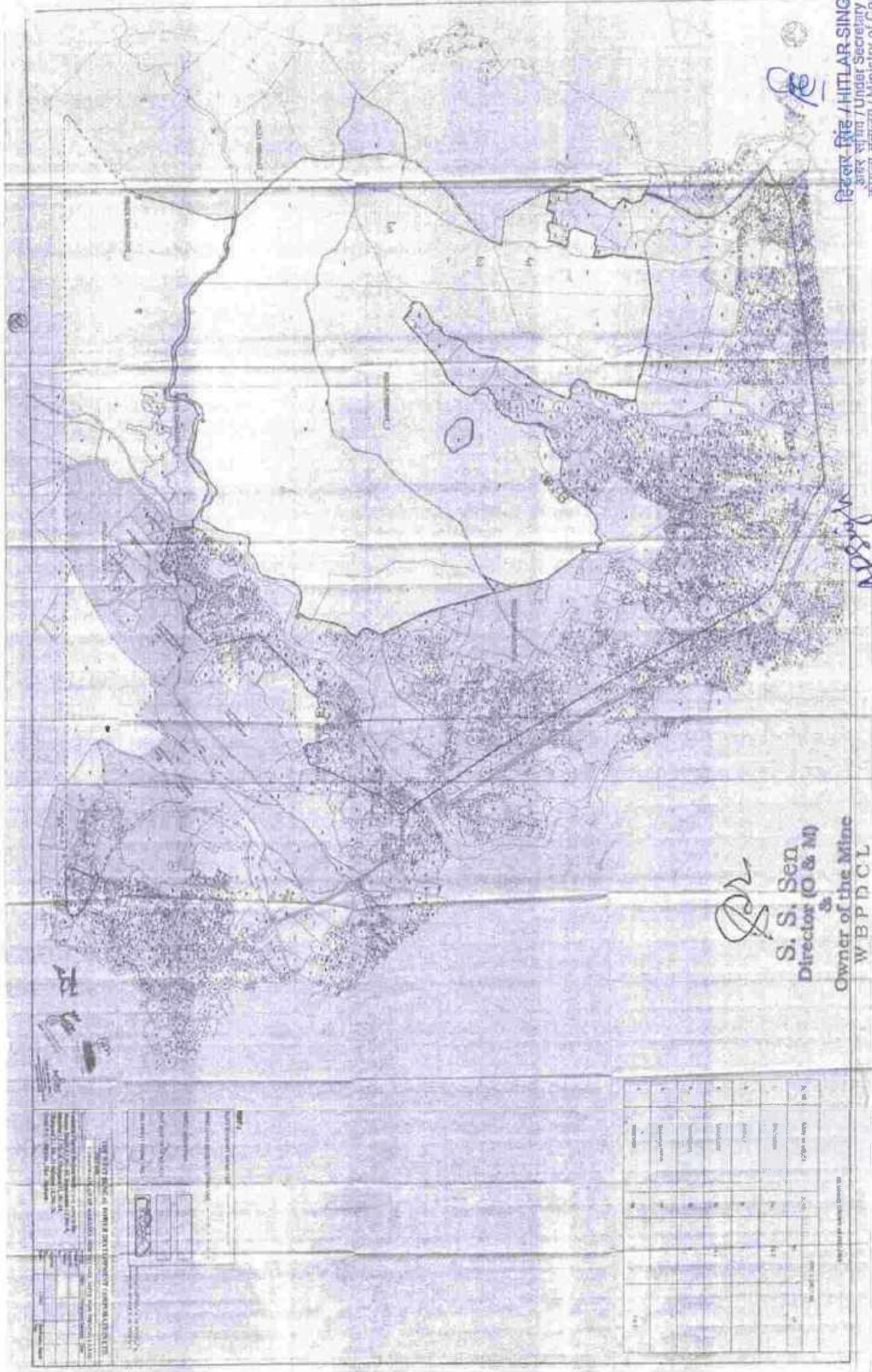
Ajit Kr. Mandal

Ajit Kr. Mandal, WBSS
Deputy Secretary
Commerce & Industries Department
Govt. of West Bengal

H

हिटलर सिंह / HITLAR SINGH
Under Secretary
Ministry of Coal
Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

AP Singh
RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009



HITAR SINGH / HITLAR SINGH
 Under Secretary
 Ministry of Coal,
 Govt. of India
 Shastri Bhawan
 New Delhi

[Handwritten signature]

[Handwritten signature]

ROP: Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

[Handwritten signature]

S. S. Sen,
Director (O & M)
&
Owner of the Mine
WBPDCL

<p>1. This map is a reproduction of the original map and is not to be used for any other purpose without the permission of the Director (O & M), WBPDCL.</p>	
<p>2. The scale of this map is 1:50,000.</p>	
<p>3. The map is based on the Survey of India Topographic Sheet No. 86/C/17.</p>	
<p>4. The map is based on the Survey of India Geological Sheet No. 86/C/17.</p>	
<p>5. The map is based on the Survey of India Geological Sheet No. 86/C/17.</p>	

No.	Name	Scale	Date
1			
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No.34011/19/2017-CPAM
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi.
New Delhi, the 4th Sept, 2017

To
M/s West Bengal Power Development Corporation Limited
Bidyut Unnayan Bhaban, 3/C, Block-LA,
Sector III Bidhannagar
Kolkata -700098
e-mail: a.kumar@wbpdcl.co.in
Fax--91-33 23350524/ 23393286

Subject: Mine Plan and Mine Closure Plan of Barjora North Coal Mine of West Bengal Power Generation Development Corporation Limited.

Sir,

I am directed to refer to your letter WBPDC/Director(Mining)/238 dated 03.05.2017 for approval of Mine Plan and Mine Closure Plan of Barjora North Coal Mine, Bankura District, West Bengal for approval of the Central Government and to state that the Revised (1st Revision) Mining Plan of Barjora North Coal Mine of Barjora Coalfields, Distt - Bankura, State- West Bengal of M/s. The West Bengal Power Development Corporation Limited to be read along with company's letter No. WBPDC/Director (Mining)/294 and clarifications dated 07.08.2017 has been considered and the approval of the Central Government thereon is hereby conveyed under Section 5(2)(b) of the Mines & Minerals (Development & Regulation) Act, 1957 subject to the following conditions:-

1. Mining company shall come up with revised mining plan including mine closure plan for the entire mine area within a reasonable time frame on receipt of Forestry clearance;
2. The mining company shall include part of the 7 Mt of coal reserve falling within the non-forest area unless CMPDIL advises it otherwise;
3. Mining company shall develop an action plan by 31st March 2019 for net zero energy consumption through solar energy as a part of mine closure activities;
4. Mining company shall not dump OB on the coal bearing area which in any way sterilises the extractable coal reserve;
5. The Mining company shall take all necessary precautions regarding safety of mine workings and persons deployed therein;
6. Mining lease of this block shall not encroach into any other adjacent block;

7. The cost of abandonment for carrying out the closure activities envisaged in the Mine closure plan is indicative; the actual cost for carrying out the activities at the time of final closure may be higher. The actual cost of abandonment will have to be borne by the project proponent for carrying out the closure activities.
8. The approval of the mine closure plan is without prejudice to the requirement of approvals from competent /prescribed authority under the relevant rules/regulations etc.

Two copies of the approved mining plan duly signed by the competent authority are returned herewith with the request that a copy of the approved mining plan may be submitted to the concerned State Government for necessary action and also a photocopy of the approved mining plan may be sent to the Coal Controller for monitoring the block.

Yours Faithfully

Signature Not Verified

Digitally signed by ANANDA

KUMAR MANDAL

Date: 2017.09.04 11:43:30 IST

Reason: Approved Under Secretary to the Govt. of India.

(A.K. Mandal)

Ministry of Coal

Encl: As Above

Copy:-

1. Under Secretary, CA-III Section with a copy of Approved Mining Plan.
2. Section Officer, Nominated Authority, MoC.
3. Chief Secretary, West Bengal
4. Anjani Kumar, Coal Controller, West Bengal.

F.No.J-11015/90/2017-IA.II (M)
Government of India
Ministry of Environment, Forest and Climate Change
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan
Jorbagh Road, N Delhi - 3
Dated: 31st May, 2018

To,

The Director (Mining)
M/s The West Bengal Power Development Corporation Limited
Bidyut Unnayan Bhaban, Plot No. 3/C,
Floor-II, LA Block, Sector-III, Salt Lake City
Kolkata - 98 (West Bengal) Email: barjoram@gmail.com

Sub: Barjora (North) Opencast Coal Mining Project of 3 MTPA of M/s The West Bengal Power Development Corporation Limited in ML area of 260.14 ha located in village and Tehsil Barjora, District Bankura (WB) - Environmental Clearance - reg.

Sir,

This has reference to your letter No.WBPDCL/Dir(Mining)/372 dated 7th March, 2018 along with online proposal No.IA/WB/CMIN/69394/2008, and subsequent letters dated 3rd April, 6th April, 11th April, 12th April, 17th April & 26th April, 2018 on the above mentioned subject.

2. The Ministry of Environment, Forest and Climate Change has considered the proposal for grant of environmental clearance to Barjora (North) Opencast Coal Mining Project of 3 MTPA of M/s The West Bengal Power Development Corporation Limited in ML area of 260.14 ha located in village and Tehsil Barjora, District Bankura (West Bengal).

3. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Sector in its 28th meeting held on 17-18 April, 2018. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under:-

(i) M/s West Bengal Power Development Corporation Limited (WBPDCL) has been allotted the Barjora (North) Coal Block by Ministry of Coal, Government of India vide allotment order No.103/7/2015/NA dated 31st March, 2015.

(ii) The latitude and longitude of the project are 23025°59.238"N to 23027°42.094"N and 87013°17.106"E to 87015°26.268" E respectively.

(iii) The terms of reference for the project was granted vide letter dated 29th September, 2017.

(iv) Coal Linkage: End Use Plants are as follows:

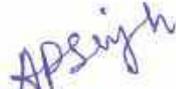
1. STPS, Santaldih, Purulia district.
2. KTPS, Mecheda, PurbaMedinipur district.
3. BkTPP, Bakreswar, Birbhum district.
4. BTPS, Tribeni, Hoogly district.
5. SgTPP, Manigram, Murshidabad district

(v) Employment generated / to be generated is estimated to be about 477.

(vi) Benefits of the project: The developments of mining in the area will provide direct and indirect employment opportunities, infrastructure development, communication and

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development socio-economic infrastructure. The important benefits accruing from the project can thus be stated as - boost to local and regional economy, direct contribution to the state exchequer. Indirect employees are shopkeepers, mechanic, drivers, transporters etc. The lessee (proponent) will be responsible for providing better social infrastructure benefits such as drinking water, health care measures, educational facilities, promotion of culture and religious activities in surroundings.

(vii) Total block area is 800 ha. The total Mining lease area as per approved Mining Plan is 260.14 ha. The land usage of the project will be as follows:

Pre-Mining Land use	
Land-use Category	Area (in ha)
Mined out Voids	63.93
De-coaled waste filled area (Waste Dumps)	39.49
Soil and Sub-soil Storage Area	5.86
Infrastructure Area	9.11
Other Built-up Areas	5.61
Safety Zone	17.89
Coal Stack-yard	1.25
Office and VT Centre	3.50
Road	2.55
Access Trench	0.65
Water Body (mine sump)	1.67
Sub-Total	151.51
Unutilized Land	108.63
Total	260.14

Land Use Plan For during mining and Land use in ha after mining			
S. No.	Land-use Category	Land use (Ha) during Mining	Land use (Ha) (End of Mining)
1.	Excavation area	191.00	
2	Backfilled Area(a+b)		156.47 (136.90+19.57)
a	Agriculture land		19.57
b	Plantation		136.90
3	Excavated Void		34.53
a	Water Harvesting		34.53
4	Top soil dump	5.86	5.86
5	Safety zone/Rationalization Area	17.89	17.89
a	Plantation		17.89
6	Road and Infrastructure Area	26.9	26.9
7	Garland Drain	2.25	2.25
8	Undistributed	5.62	5.62
9	Others(magazine, ETP, Access, Trench)	10.62	10.62
Total		260.14	260.14

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- (viii) Total geological reserve is 25.85 MT. The mineable reserve 18.60 MT, extractable reserve is 11.56 MT. The per cent of extraction would be 44.71%.
- (ix) The coal grade is G-9 to G-13. The stripping ratio is 5.69 Cum/tonne. The average gradient 8°. There will be 9 seams with thickness as under:

Sl. No.	Seam Name	Thickness (m)			Depth range (m)
		Minimum	Maximum	Average	
1	Seam -IX	0.26	2.78	1.43	15.14-40.16
2	Seam -VIII	0.3	2.94	1.26	6.13-46.09
3	Seam -VII	0.55	4.72	2.11	9.00-76.38
4	Seam -VI	0.25	4.42	1.51	17.2-75.89
5	Seam -V	1.7	6.29	3.88	12.96-112.2
6	Seam -IV	0.20	1.30	0.67	
7	Seam -I / II / III	4.42	6.34	5.39	

- (x) Total estimated water requirement is 1652 m³/day. The level of ground water ranges up to 35 m below ground level.
- (xi) The mining method would be opencast.
- (xii) There is no external OB dump. No waste will be dumped outside the leasehold area and from the very first day of development of this mine, internal dumping is envisaged and 3 internal dump with quantity of 65.85 Mbcm in an area of 156.47 ha.
- (xiii) The final mine void would be in 34.53 ha with depth max.145 m (before final mine closure) and the total quarry area is 260.14 ha. Backfilled quarry area of 84.81 ha shall be reclaimed with plantation. A void of 34.53 ha with depth 145 m which is proposed to be converted into a water body.
- (xiv) The life of mine is 22 Years.
- (xv) Surface Miner for coal winning and Dozer-Shovel-Dumper combination for loading and transportation. Occasionally use of FEL is envisaged for coal loading directly from face.
- (xvi) Rehabilitation and Resettlement have already been complied by prior allottee as per approved R & R Plan. However, if any left out families found within the leasehold area, WBPDCCL will implement approved R & R policy.
- (xvii) Total capital cost of the project is Rs. 918.58 Crores. CSR Cost is yet to be finalised. Prior Allottee has already implemented R&R as per approved plan. However, is any further R&R is involved, WBPDCCL shall implement R&R as per new approved plan. Environmental Management Cost is also yet to be finalized.
- (xviii) The main drainage of the area is controlled by the Damodar River which flows about 5 km north of the coalfield. Tartora nallah with a north-easterly flow forms the main drainage within the block with seasonal surface flow. However, Tartola nallah is not going to be affected in this proposed mining project.
- (xix) Approvals: No ground water will be drawn for the project. However, as mine depth is more than ground water table, application for NOC from CGWA will be submitted. Board's approval obtained on 5th December, 2016. Mining Plan was approved on 4th September, 2017. Mine Closure Plan is an integral part of the Mining Plan.
- (xx) Wildlife issues: There are no National Parks, Wildlife Sanctuary, Biosphere Reserves found in the 10 km buffer zone. Elephant Corridor is present in the study area.
- (xxi) There are no forests involved in the mine lease area.
- (xxii) Total afforestation plan shall be implemented covering an area of 84.81 ha at the end of mining. Green belt over an area of 17.89 ha. Density of tree plantation 2500 trees/ ha of plants.
- (xxiii) There are no court cases/violation pending with the project proponent.

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(xxiv) Public hearing for the project was held on 16th February, 2018 at Barjora Panchayat Samiti Meeting Hall, Barjora, District Bankura (West Bengal). The issues raised during the public hearing include employment, development of the neighbourhood, rehabilitation and resettlement, plantation, implementation of mine closure plan etc.

4. The sectoral Expert Appraisal Committee in its 28th meeting held on 17-18 April, 2018 has recommended the project for grant of environmental clearance. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to **Barjora (North) Coal Mining Project of 3 MTPA of M/s The West Bengal Power Development Corporation Limited in ML area of 260.14 ha located in village and Tehsil Barjora, District Bankura (West Bengal)**, under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the terms & conditions and environmental safeguards as under:-

- (i) To control the dust production at source, crusher and in-pit belt conveyors shall be provided with mist type sprinklers.
- (ii) Mitigative measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient numbers of water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions as presented before the Committee, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at railway siding, etc.
- (iii) Persons of nearby villages shall be given training on livelihood and skill development to make them employable.
- (iv) To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months.
- (v) Thick green belt of adequate width in the down wind direction of the project site shall be developed to mitigate/check the dust pollution. Plantation plan shall be prepared in consultation with the State Forest Department.
- (vi) The conservation plan for Elephant Corridor shall be prepared and submitted to the State Wildlife Department for approval, for its implementation in letter and spirit.

4.1 The grant of environmental clearance is further subject to compliance of the generic conditions as under:

(a) Mining

- (i) Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
- (ii) No change in mining method, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change.
- (iii) Mining shall be carried out as per the approved mining plan including Mine Closure Plan, abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
- (iv) No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other

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Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.

(b) Land reclamation and water conservation

(i) Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale shall be submitted to Ministry of Environment, Forest and Climate Change/Regional Office (RO).

(ii) The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS.

(iii) The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective state government as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.

(iv) The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining"/"post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the Ministry of Environment, Forest and Climate Change/Regional Office on six monthly basis.

(v) The top soil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized for long. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office on six monthly basis.

(c) Emissions, effluents, and waste disposal

(i) Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM₁₀/PM_{2.5}) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.

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- (ii) Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area in a phased manner. The green belt comprising a mix of native species shall be developed all along the major approach/ coal transportation roads.
- (iii) The transportation of coal shall be carried out as per the provisions and route proposed in the approved Mining Plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.
- (iv) Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
- (v) Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
- (vi) Coal handling plant shall be operated with effective control measures viz. bag filters/water or mist sprinkling system etc to check fugitive emissions from crushing operations, conveyor system, transfer points, etc.
- (vii) Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
- (viii) Catch/garland drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression measures and green belt development. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.
- (ix) Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Oil and grease trap shall be installed and maintained fully functional with effluents discharge adhering to the norms. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste.
- (x) Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

(d) Illumination, noise & vibration

(i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & its RO on six-monthly basis.

(ii) Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.

(iii) Controlled blasting techniques shall be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by the DGMS.

(iv) The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

(e) Occupational health & safety

(i) The project proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any.

(ii) Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.

(iii) Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.

(f) Ecosystem and biodiversity conservation

(i) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.

(g) Public hearing, R&R and CSR

(i) Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.

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(ii) The project proponent shall ensure the expenditure towards socio-economic development in and around the mine, in every financial year in pursuance of the Corporate Social Responsibility Policy as per the provisions under Section 135 of the Companies Act, 2013

(iii) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.11 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

(iv) The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

(h) Corporate environment responsibility

(i) The Company shall have a well laid down environment policy duly approved by Board of Directors. The environment policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. Also, the company shall have a defined system of reporting of non-compliances/violations of environmental norms to the Board of Directors and/or shareholders/stakeholders.

(ii) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions should be displayed on website of the Company.

(iii) A separate environmental management cell both at the project and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

(iv) Action plan for implementing EMP and environmental conditions shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

(v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

(i) Statutory Obligations

(i) The environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Court, NGT and any other Court of Law from time to time, and as applicable to the project.

(ii) This environmental clearance shall be subject to obtaining wildlife clearance, if applicable, from the Standing Committee of National Board for Wildlife.

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(iii) The project proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.

(iv) The project proponent shall obtain the necessary permission from the Central Ground Water Authority (CGWA).

(j) Monitoring of project

(i) Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.

(ii) The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.

(iii) The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.

(iv) The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-IA.11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.

(v) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to Ministry of Environment, Forest and Climate Change/Regional Office.

(vi) Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.

(vii) The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental conditions to the Ministry of Environment, Forest and Climate Change/Regional Office. For half yearly monitoring reports, the data should be monitored for the period of April to September and October to March of the financial years.

(viii) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

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(k) **Miscellaneous**

(i) Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.

(ii) The project authorities shall inform to the Regional Office regarding commencement of mining operations.

(iii) A copy of the environmental clearance shall be marked to concerned Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's Office/Tehsildar Office for information in public domain within 30 days.

(iv) The EC shall be uploaded on the company's website. The compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.

(v) The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of this clearance, informing that the project has been accorded environmental clearance and a copy of the same is available with the State Pollution Control Board and also at website of the Ministry.

(vi) The environmental statement for each financial year ending 31 March in Form-V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail. Concerns raised during public hearing.

(vii) The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

5. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.

6. The project proponent shall obtain all necessary clearances/approvals required before start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

7. Any appeal against this environmental clearance lies with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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8. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the judgment dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others'.

9. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.

10. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.

SK
31/5/2018

(S. K. Srivastava)
Scientist E

Copy to:

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The APPCF, Regional office (EZ), Ministry of Environment Forests and Climate Change, A-31, Chandrashekarapur, Bhubaneswar - 751023
3. The Secretary, Department of Environment & Forest, Government of West Bengal, Secretariat, Kolkata
4. The Member Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi
5. The Member Secretary, CPCB, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
6. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A, Block LA, Sector-III, Salt Lake City, Kolkata - 700098.
7. District Collector, Bankura, Government of West Bengal
8. Monitoring File 9. Guard File 10. Record File 11. Notice Board

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Barjora (North) 3 MTPA in Bankura of WBPDCCL 90/2017_EC

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हिटलर सिंह / HITLAR SINGH
अवर सचिव / Under Secretary
कोयला मंत्रालय / Ministry of Coal
भारत सरकार / Govt. of India
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

AP Singh
RQP- Abhai Pratap Singh
Reg No 34011/(50)/2009-CPAM
Dt 07 10 2009

No.34011/21/2019-CPAM
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi.
New Delhi, the 26th September, 2019

To
M/s West Bengal Power Development Corporation Limited
Bidyut Unnayan Bhaban, 3/C, Block-LA,
Sector III Bidhannagar
Kolkata -700098
e-mail: a.kumar@wbpdc.co.in

Subject: Mine Plan and Mine Closure Plan (2nd Revision) for Barjora (North) Coal Mine of West Bengal Power Generation Development Corporation Limited-reg.

Sir,

I am directed to refer to your letter no. WBPDC/Director (Mining)/680 dated 09-07-2019 for approval of Mining Plan (including Mine Closure Plan)(Revision-2) for Barjora North Mine for approval of the Central Government and to state that the Mining Plan (including Mine Closure Plan)(Revision-2) for Barjora North Mine of M/s West Bengal Power Development Corporation Limited located in Barjora Coalfield, Distt - Bankura, State- West Bengal to be read along with company's letter No. WBPDC/Director (Mining)/734 Dated 18.09.2019 has been considered and the approval of the Central Government thereon is hereby conveyed under Section 5(2)(b) of the Mines & Minerals (Development & Regulation) Act, 1957 subject to the following conditions:-

- I. The approval of this Mining Plan shall not result in changes in the terms and conditions as well as efficiency parameter mentioned in the CMDPA/Allotment agreement signed at the time of allotment/vesting;
- II. The Mining Company shall ensure to get the area on the eastern side explored to rule out the occurrence of coal within a period of 3 years of approval of this mining plan, till then no dumping in the area under reference should be done, which may, in any way, sterilize the extractable coal reserve. In case, occurrence of coal is established the project proponent shall come up with revised mining plan for liquidation of the aforesaid reserve;
- III. The mining company shall ensure to get clearance from the competent/prescribed authority before taking up the nala diversion of the Nala;
- IV. The Project Proponent shall take all necessary precautions regarding safety of mine workings and persons deployed therein;
- V. Mining lease of this block shall not encroach into any other adjacent coal block;

VI.The cost of abandonment for carrying out the closure activities envisaged in the Mine closure plan is indicative; the actual cost for carrying out the activities at the time of final closure may be higher. The actual cost of abandonment will have to be borne by the project proponent for carrying out the closure activities.

VII.The approval of the Mining Plan (Including Mine Closure Plan) is without prejudice to the requirement of approvals from competent /prescribed authority under the relevant rules/ regulations etc;

Two copies of the approved mining plan duly signed by the competent authority are returned herewith with the request that a copy of the approved mining plan may be submitted to the concerned State Government for necessary action and also a photocopy of the approved mining plan may be sent to the Coal Controller for monitoring the block.

Encl: As above.

Yours Faithfully



(Hitlar Singh)

Under Secretary to the Govt. of India.

Copy:-

- I. Chief Secretary, West Bengal
- II. Nominated Authority, MoC
- III. Coal Controller, West Bengal.
- IV. Under Secretary, CBA-II Section with a copy of Approved Mining Plan.
- V. Section Officer, Nominated Authority, MoC.

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Government of West Bengal Enterprise)



WBPDC

Corporate Identity No. : U40104WB1985SGC039154

:Registered & Corporate Office:

"Bidyut Unnayan Bhaban", Plot No. 3/C, LA-Block, Sector-III, Bidhannagar, Kolkata-700 106

• Phone No. (033) 2335-0571/2339-3100 • Fax: (033) 2339 3186 / 2339 3286 /2339 3197

• Website : www.wbpdcl.co.in • email : wbpdclmine2015@gmail.com

Annexure-J

Ref.No. WBPDC/Director (Mining)/ 1696

Dated: 28.11.2023

To
The Chief Mining Officer,
Directorate of Mines & Minerals
Govt of West Bengal, Court Road, Asansol
District Paschim Bardhaman, West Bengal

Sub: Application for Additional Mining Lease area of 422.90 Ha (Forest Land 338.74 Ha and Non-forest Land 84.16 Ha) for Barjora (North) Coal Mine in favor of WBPDC.

Sir,

This is for your kind information that Barjora (North) Coal Mine has been allotted to The West Bengal Power Development Corporation Limited (WBPDC) vide allotment order no: 103/7/2015/ NA dated 31.03.2015 by the Nominated Authority, Ministry of Coal Government of India

As per the Clause 1(b) of the Allotment Order, WBPDC is entitled to a mining lease to be granted by the State Government with the terms and conditions of Allotment Agreement forming a part of it on making an application. On request, the State Government had granted a Mining Lease, which was executed on 04.08.15, only for non-forest area of 260.14 Ha.

As per 2nd Revision of Mining Plan, the Project area is 683.04 Ha comprising already executed lease of 260.14 Ha, 338.74 Ha of Forest Land (Forest Clearance to be obtained) and remaining 84.16 Ha of Non-forest land needs to be included in the lease.

Subsequently, application was made vide proposal no FP/WB/MIN/43000/2019 to Forest Department for diversion of 338.74 Ha of Forest Land in favour of WBPDC and the application has been forwarded to MoEF & CC, New Delhi for Stage-I FC. It is therefore requested that a "Mining Lease" for mining of coal from Barjora(North) Coal Mine may please be granted in the name of The West Bengal Power Development Corporation Limited for an area of 422.90 Ha including forest land of 338.74 Ha and Non-Forest land of 84.16 for a period of 30 years.

Bardel Thermal Power Station
GM-(033) 2684 6369
E-mail : gmbtps@wbpdcl.co.in
FAX : 2684 6151

Santalidih Thermal Power Station
GM-(03251) 260 227/250
E-mail : gmsatps@wbpdcl.co.in
FAX : 260 217, PBX : 260 197

Kolaghat Thermal Power Station
GM-(03228) 231 110
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FAX : 231 280

Bakreswar Thermal Power Station
GM-(03462) 220 201
E-mail : gmbktps@wbpdcl.co.in
FAX : 220 214, 220 346

Sagaridighi Thermal Power Project
GM-(03483) 237 099, E-mail : gmsatpps@wbpdcl.co.in

RECEIVED
Office of The
Chief Mining Officer
28-11-2023



THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Government of West Bengal Enterprise)

WBPDC

Corporate Identity No. : I-40104WB1985SGC039154

Registered & Corporate Office:

"Bidyut Unnayan Bhaban", Plot No. 3/C, LA-Block, Sector-III, Bidhannagar, Kolkata-700 106

* Phone No : (033) 2335-0571/2339-3100 * Fax : (033) 2339 3186 / 2339 3286 /2339 3197

* Website : www.wbpdcl.co.in * email : wbpdclmine2015@gmail.com

Application for the required Mining Lease in Form-1, under the Mineral Concession Rule, 1960, for an area of 422.90 Ha in favour of Barjora (North) Coal Mine, is hereby submitted enclosing the following documents:

Sl. No.	Description	Annexure No.	Nos. of Copies
1	Application in Form-1		5 Copies
2	Certificate of Incorporation No.39154 of 1985	Annexure-A	2 Copies
3	Affidavit on No Mining Dues(Royalty & Cess)	Annexure-B	Original & Copy
4	Affidavit on Income Tax	Annexure-C	Original & Copy
5	Affidavit for other Mining Leases	Annexure-D	Original & Copy
6	T.R Challan of Rs. 2500/-		Original & Copy
7	T.R Challan of Rs. 1000/-		Original & Copy
8	Cadastral Plan showing Existing and Proposed Mining Lease area	Annexure-E	5 Copies
9	Geo-referenced Map of Barjora (North)Coal Mine	Annexure-F	5 Copies
10	Topographical plan of Barjora(North)Coal Mine		5 Copies
11	Location Plan		5 Copies
12	Geological Plan		5 Copies
13	Geological Report		2 Copies
14	Approved Mining & Mine Closure Plan along with approval Letter from Ministry of Coal,Govt. of India		2 Copies
15	Previously Grant of Mining Lease in favour of WBPDC	Annexure-I	3 Copies
16	Allotment Order of Barjora(North)Coal Mine by Ministry of Coal,Govt. of India in favour of WBPDC	Annexure-II	3 Copies
17	Allotment Agreement of Barjora(North)Coal Mine by Ministry of Coal,Govt. of India in favour of WBPDC	Annexure-II-A	3 Copies
18	Declaration for Procurement of Private land and LTL for Vested land	Annexure-II-B	5 Copies
19	Forest Clearance Status of Barjora(North)Coal Mine	Annexure-III	5 Copies
20	Details of Land Schedule of Forest Land (338.74 Ha) and Non-forest Land(84.16 Ha)	Annexure-IV	5 Copies

You are requested to kindly grant the Mining Lease for 422.90 Ha in favour of Barjora (North) Coal Mine of WBPDC at the earliest.

Thanking you,

Yours faithfully,

(Signature)
(Chanchal Goswami)
Director-Mining

20/11/2023

RECEIVED
Office of The
Chief Mining Officer

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Sagaridighi Thermal Power Project
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