

Form-2

APPLICATION FOR PRIOR ENVIRONMENTAL CLEARANCE

1	Details of Project					
	a.	Name of the Project (s)			:	Proposed Capacity Expansion of Bailadila Iron Ore Project Deposit No.14 ML from existing 5.0 MTPA to 10.0 MTPA at Kirandul, South Bastar Dantewada District, Chhattisgarh
	b.	Name of the Company / Organisation			:	M/s. NMDC Limited (A Government of India Enterprise)
	c.	Registered Address			:	Khanij Bhavan, 10-3-311/A, Castle Hills, Masab Tank, Hyderabad-500028, Telangana. Tel No: +91 40-23538773, 23538778.
	d.	Legal Status of the Company			:	A Government of India Enterprise
	e.	Joint Venture (Yes/No)			:	No
		If Yes,				
		(i) No. of JV Partners(Multiple Entries Allowed)			:	Nil
		Name of the JV Partner	Share of the JV Partner	Address of the JV Partner	Email Id of JV Partner	Mobile No. of JV Partner
		-	-	-	-	-
		-	-	-	-	-
2	Address for the correspondence					
	a.	Name of the applicant			:	T.S.Cherian
	b.	Designation (Owner / Partner / CEO)			:	Executive Director
	c.	Address			:	Bailadila Iron Ore Mines, Kirandul Complex
	d.	Pin code			:	494556
	e.	e-mail			:	jayapalreddy@nmdc.co.in
	f.	Telephone No.			:	040 23538773
	g.	Fax No.			:	040 23536760
3	Category of the Project/Activity as per Schedule of EIA Notification,2006					
	a.	Project / Activity [1(a)(i) / 1(a)(ii) / 1(b) / 1(c) / 1(d) / 1 (e) / 2(a) / 2(b) / 3(a) / 3(b) / 4(a) / 4(b)(i)/ 4(b) (ii) / 4(c) / 4(d) / 4(e) / 4(f) / 5(a) / 5(b) / 5(c) / 5(d) / 5(e) / 5(f) / 5(g) / 5(h) / 5(i) / 5(j) / 6(a) / 6(b) / 7(a) / 7(b)/ 7 (c) / 7 (d) / 7 (da) / 7 (e) / 7 (f) / 7 (g) / 7 (h) / 7 (i) / 8 (a) / 8 (b)			:	1(a)
	b.	Category (A/B ₁ /B ₂)			:	Category 'A'
		If B ₁ or B ₂				
		Reason for application at Central Level / State level (in case of B ₂ projects)			:	Not Applicable

		If Others	
	c.	Please Specify	: NA
	d.	EAC concerned (for category A Projects only) (Coal Mining / Non-coal Mining / Thermal / River Valley & Hydro / Industry-I / Industry-II / Infrastructure-I / Infrastructure-II / Nuclear & Defence / CRZ	: Non-Coal Mining
	e.	New / Expansion / Modernization / One Time Capacity expansion (only for Coal Mining) / Expansion under Para 7(ii) / Modernization under Para 7(ii) / Change of Product Mix under Para 7(ii)	: Capacity Expansion of Bailadila Iron Ore Project Deposit No.14 ML from existing 5.0 MTPA to 10.0 MTPA under Para 7(ii)
4	Location of the Project		
	a.	Plot / Survey / Khasra No.	: R.F Compartment Nos. 1863 (624), 1859 (627), 1861 (626), 1858 (629), 1857 (637), 1860 (639), 1864 (628).
	b.	Village	: Kirandul (Nagar Palika Parishad)
	c.	Tehsil	: Kuankonda
	d.	District	: South Bastar Dantewada
	e.	State	: Chhattisgarh
	f.	Pin Code	: 494556
	g.	Bounded Latitudes (North)	
		From	: 18°36'11.2022"N
		To	: 18°37'34.6006"N
	h.	Bounded Longitudes(East)	
		From	: 81°13'15.9460"E
		To	: 81°14'44.6788"E
	i.	Survey of India Topo Sheet No.	: E44J2 (65F/2) and E44J6 (65F/6)
	j.	Upload Topo Sheet File (<i>Upload pdf only</i>)	: Shown in Figure-1.4, Chapter-1 of EIA Report.
	k.	Maximum Elevation Above Means Sea Level(AMSL)	: 1167 m
	l.	Upload (kml) File (<i>Upload kml only</i>)	: Uploaded in the Website
	m.	Distance of Nearest HFL from the project boundary within the study area	: The project area is located at the top of the hill and there are no nearest HFL within the study area.
	n.	Seismic Zone (Zone: 1 / 2 / 3 / 4 / 5)	: 2
5	Whether project is executed in multiple States (Yes / No)?		
	If Yes		
	a.	Number of States in which Project will be Executed (e.g. 1,2,3,4,5,6)	: 1
	b.	Main State of the Project	: Chhattisgarh

	c.	Other State (<i>Multiple Entries Allowed</i>) (If the project to be executed, does not belong to any state, then state category could be selected as 'Other')		
		State	District	Tehsil
		Chhattisgarh	South Bastar Dantewada	Kuankonda
				Village
				Kirandul (Nagar Palika Parishad)
6	Details of Terms of Reference (ToR)			
	a.	Whether ToR is mandatory for submitting application (Yes / No)?	:	Yes
		If Yes		
	b.	Date of issue of ToR / Standard ToR	:	08/01/2016
	c.	MoEF&CC / SEIAA File No.	:	J-11015/400/2015-IA.II(M)
	d.	Upload ToR letter (PDF only)		Enclosed as Annexure-III of EIA Report
7	Details of Public Consultation			
	a.	Whether the Project Exempted from Public Hearing (Yes/No)?	:	No
		If yes,		
		Reason	:	Not Applicable
	b.	Supporting Document (<i>upload pdf only</i>)	:	Not Applicable
	c.	Whether details of Public Hearing available (Yes/No)?	:	Yes
		If No,		
	d.	Reason thereof	:	Not Applicable
		Supporting Document (<i>upload pdf only</i>)	:	Not Applicable
		If Yes,		
	e.	Date of Advertisement of Public Hearing	:	05/07/2017
	f.	Copy of advertisement in English (Upload PDF only)	:	Shown in Figure-7.1, Chapter-7 of EIA Report.
	g.	Whether Public hearing was presided over by an officer of the rank of Additional District Magistrate or above (Yes/No)?	:	Yes
		If yes		
	h.	Designation of Presiding Officer (District Magistrate / District Collector / Deputy Commissioner / others - please specify)	:	Additional District Collector, South Bastar Dantewada district and Regional Officer, CEGB, Jagdalpur.
	i.	Copy of duly signed Proceedings of Public Hearing in English (<i>Upload pdf only</i>)	:	Enclosed as Annexure-XXVI of EIA Report
	j.	Date of Public Hearing	:	06/08/2017
	k.	Venue of Public Hearing:	:	Higher Secondary School, Vidyanagar
		Village	:	Kirandul
		Tehsil	:	Kuankonda
		District	:	South Bastar

					Dantewada
		State	:		Chhattisgarh
	l.	Distance of Public Hearing Venue from the Proposed Project (km)	:		1.7 km (Aerial distance)
	m.	No. of people attended	:		About 250 personnel
	n.	If the multiple public hearings conducted	:		Not Applicable
		Pl give the details of each PH as per (e) to (o) above			
8	Details of Project Configuration / Product (Multiple Entries Allowed)				
	a.	Whether the project is New (Yes/No?)	:		No
		If yes,			
	b.	Project Configuration	:		
		Plant / Equipment / Facility		Configuration	Remarks if any
		-		-	-
		-		-	-
	c.	Product	:		Not Applicable
		Product / Activity (Capacity / Area)	Quantity	Unit	Mode of Transport / Transmission of Product
		-	-	-	-
		-	-	-	-
		<ul style="list-style-type: none"> - Unit:- (Tons per Annum(TPA), Mega Watt(MW), Hectares(ha), Kilo Litre per Day(KLD), Tons Crushed per Day(TCD), Cubic Meter per Day, Kilometers(Km), Million Liters per Day(MLD), Others) - Mode of Transport/Transmission of Product (Road, Rail, Conveyor Belt, Pipe Conveyor, Aerial Ropeway, combination of two or three modes, Others) 			
9	If Expansion / Modernisation / One Time Capacity expansion (only for Coal Mining) / Expansion under Clause 7(ii) / Modernisation under Clause 7(ii) / Change of Product Mix under Clause 7(ii))				
	a.	Details of environmental clearance granted earlier			
		(i)	Date of issue of environmental clearance	:	11/09/2007
		(ii)	MoEFCC / SEIAA File Number		J-11015/483/2007-IA.II(M)
		(iii)	Upload EC Letter		Enclosed as Annexure-I(A) of EIA Report
	b.	Details of certified report on compliance of earlier environmental clearance conditions			
		(i)	Details of Regional Office of MoEFCC / Zonal Office of CPCB / SPCB / UTPCC from which certified report on compliance of earlier environmental clearance conditions obtained	:	MoEF&CC, Regional Office, Nagpur.
		(ii)	Letter No	:	3-42/2007-(ENV)/2959

	(iii)	Status of Compliance	:	The action plan for the observations raised by MoEFCC, Regional Office, Nagpur has been prepared and submitted to MoEF&CC- New Delhi and R.O, Nagpur in January 2018 and enclosed as Annexure-IX(B) of EIA Report
	(iv)	Certified report on compliance of earlier environmental clearance conditions (Including Monitoring Report) (<i>Upload pdf only</i>)	:	Enclosed as Annexure-IX(A) of EIA Report
	(v)	Date of site visit	:	11/10/2017
c.	Details of Consent to Operate			
	(i)	Whether Consent to operate obtained (Yes/No)?	:	Yes
		If yes,		
	(ii)	Upload Copies of all Consent to operate obtained since inception (<i>Upload pdf only</i>)		-
	(iii)	Date of issue	:	03/04/2018
	(iv)	Valid up to	:	31/12/2019
	(v)	File No.	:	87/TS/CECB/2018 for Consent of Air & 85/TS/CECB/2018 for Consent of Water.
	(vi)	Application No.	:	519503
	(vii)	Upload Copy of Consent to operate valid as on date (<i>Upload pdf only</i>)	:	The latest renewal of consent of the Board under section 21 of the Air (Prevention and Control of Pollution Act), 1981 and under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 obtained from CECB, Naya Raipur is enclosed as Annexure-X of EIA Report.

d.	Details of Capacity Expansion (<i>Multiple Entries Allowed</i>)					
	Product/Activity (Capacity/Area)	Quantity From	Quantity To	Unit	Mode of Transport / Transmission of Product	
	Bailadila Iron Ore Deposit 14 ML (322.368 ha)	5.0	10.0	MTPA	Conveyor belt, Rail & Road	
	<ul style="list-style-type: none"> - Unit:- (Tons per Annum(TPA), Mega Watt(MW), Hectares(ha), Kilo Litre per Day(KLD), Tons Crushed per Day(TCD), Cubic Meter per Day, Kilometers(Km), Million Liters per Day(MLD), Others) - Mode of Transport/Transmission of Product (Road, Rail, Conveyor Belt, Pipe Conveyor, Arial Ropeway, combination of two or three modes, Others) 					
e.	Details of Configuration (<i>Multiple Entries Allowed</i>)					
	Plant / Equipment / Facility	Existing Configuration	Proposed Configuration	Final configuration after expansion	Remarks if any	
	Crushing plant	5 MTPA	10 MTPA	10 MTPA	New CP will be constructed.	
10	Project Cost					
a.	Total Cost of the Project at current price level (in Lakhs)				: 54686.00	
b.	Funds Allocated for Environment Management (Capital) (in Lakhs)				: 1000.00	
c.	Funds Allocated Towards ESC (Entrepreneur Social Responsibility) (in Lakhs)				: 2500.00	
d.	Funds Allocated for Environment Management Plan (EMP) (Recurring per Annum) (in Lakhs)				: 500.00	
11	Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project				:	
	If Yes					
a.	Protected Area Notified Under the Wild Life(Protection) Act,1972				: No	
b.	Critically Polluted Areas as identified by the Central Pollution Control Board from Time to Time				: No	
c.	Notified Eco-Sensitive Areas				: No	
d.	Inter-State Boundaries and International Boundaries				: No	
12	Whether projects attract the Specific Condition specified in the Schedule of EIA Notification (Yes/No)?				:	
	If Yes					
a.	If any Industrial Estate/Complex / Export processing Zones /Special Economic Zones/Biotech Parks / Leather Complex with homogeneous type of industries such as Items 4(d), 4(f), 5(e), 5(f), or those Industrial estates with pre-defined set of activities (not necessarily homogeneous, obtains prior environmental clearance, individual industries including proposed industrial housing within such estates /complexes will not be required to take prior environmental				: No	

		clearance, so long as the Terms and Conditions for the industrial estate/complex are complied with (Such estates/complexes must have a clearly identified management with the legal responsibility of ensuring adherence to the Terms and Conditions of prior environmental clearance, who may be held responsible for violation of the same throughout the life of the complex/estate							
13	Raw Material / Fuel Requirement (Multiple Entries Allowed)								
	a.	Details of Raw Material / Fuel Requirement							
		Raw Material / Fuel	Quantity per Annum	Unit	Source(in case of Import, please specify country and Name of the port from which Raw Material / Fuel is received)	Mode of Transport	Distance of Source from Project Site (in Kilo meters) (In case of import, distance from the port from which the raw material / fuel is received	Type of Linkage (Linkage / Fuel Supply Agreement / e-auction / MoU / LOA / Captive / Open market / Others)	
		HSD	15	KLD	Visakhapatnam	Fuel Tankers	426 km, NNE	Purchase Orders	
		Lubricants	1.0	KLD	Raipur	Trucks	390 km, NNE	Purchase Orders	
		In case of expansion proposals, total requirement of raw material / fuel shall be given							
		<ul style="list-style-type: none"> - Unit:- (Tons per Annum(TPA), Mega Watt(MW), Hectares(ha), Kilo Litre per Day(KLD), Tons Crushed per Day(TCD), Cubic Meter per Day, Kilometers(Km), Million Liters per Day(MLD), Others) - Mode of Transport/Transmission of Product (Road, Rail, Conveyor Belt, Pipe Conveyor, Aerial Ropeway, combination of two or three modes, Others) 							
	b.	Upload copy of Linkage / Fuel Supply Agreement / e-auction / Memorandum of Understanding / Letter of Allocation / Captive source / others.						:	Purchase orders
14	Baseline Data (Air / Water / Noise / Soil / Ground water table/ Others)								
	a.	Period of Base Line Data Collection							
		From (DD/MM/YYYY)						:	01/12/2015
		To (DD/MM/YYYY)						:	28/02/2016
	b.	Season (Summer / Pre-monsoon / Post-monsoon / Winter)						:	Winter Season
	c.	No. of Ambient Air Quality (AAQ) Monitoring Locations						:	08 AAQ Locations
	d.	Details of AAQ Monitoring (Multiple Entries Allowed)							
		Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard		
		PM ₁₀	µg/m ³	64.1	30.2	63.6	100		
		PM _{2.5}	µg/m ³	33.9	13.7	33.8	60		
		SO ₂	µg/m ³	16.1	8.9	15.9	80		
		NO ₂	µg/m ³	21.2	10.6	20.8	80		
		CO	µg/m ³	406	169	394.3	2000		
		O ₃	µg/m ³	6.9	2.0	6.6	100		

	NH ₃	µg/m ³	<20.0	<20.0	<20.0	400
	Pb	µg/m ³	<0.001	<0.001	<0.001	1.0
	BaP	ng/m ³	<0.01	<0.01	<0.01	1.0
	As	µg/m ³	<0.001	<0.001	<0.001	6 ng/m ³
	Ni	µg/m ³	<0.001	<0.001	<0.001	20 ng/m ³
	C ₆ H ₆	µg/m ³	<0.001	<0.001	<0.001	5
	<ul style="list-style-type: none"> - Criteria Pollutants: - (PM10, PM2.5, SO₂, NO_x, Others parameters specific to sector) - Unit: - (Micro Gram per Meter Cube, Nano Gram per Meter Cube, Mili Gram per Meter Cube, NA) 					
e.	No. of Ground Water Monitoring Locations (<i>Multiple Entries Allowed</i>)					: 08 Ground water
f.	Details of Ground Water Monitoring					
	Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard
	pH	-	7.2	6.1	-	6.5 to 8.5
	TDS	mg/l	233	115	-	500
	Total hardness	mg/l	144	40	-	300
	Chlorides	mg/l	17.1	2.8	-	250
	Fluoride	mg/l	0.3	<0.1	-	1.0
	Criteria Pollutants: - (pH, TSS, TDS, Total Hardness, Chlorides, Fluoride, Heavy Metals, other parameters specific to the sector) - Unit :- (mg/l, NA)					
g.	No. of Surface Water Monitoring Locations					: 08 Surface water
h.	Details of Ground Water Monitoring (<i>Multiple Entries Allowed</i>)					
	Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard
	pH	-	7.5	6.9	-	6.5 to 8.5
	DO	mg/l	6.2	5.7	-	-
	BOD	mg/l	<3	<3	-	-
	COD	mg/l	<5	<5	-	-
	- Parameter :- (pH, DO, BOD, COD, Others parameters specific to the sector) - Unit :- (mg/l, NA)					
i.	No. of Ambient Noise Monitoring Locations					: 08 Locations
j.	Details of Noise Monitoring (<i>Multiple Entries Allowed</i>)					
	Parameter	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard
	L _{day}	dB(A)	60.6	44.6	-	75
	L _{night}	dB(A)	56.4	41.5	-	70
	L _{eq}	dB(A)	59.9	44.1	-	-
	- Parameter:- (Leq(Day), Leq(Night)) - Unit :- (A-weighted decibels(dB(A)))					
k.	No. of Soil Monitoring Locations (<i>Multiple Entries Allowed</i>)					: 08 Locations
	Parameter	Unit	Maximum Value	Minimum Value	98 Percentile Value	
	pH	-	7.1	5.7	-	

	Nitrogen	kg/ha	156.4	3.41	-		
	Phosphorus	kg/ha	14.5	1.0	-		
	Potassium	kg/ha	395.6	5.6	-		
	Electric Conductivity	μS/cm	169.4	22.7	-		
	<ul style="list-style-type: none"> - Parameter :- (pH, N(Nitrogen), P(Phosphorus), K(Potassium), Electric Conductivity) - Unit :- (Millisiemens per Centimeter, Milligram per Litre, Percent, Centimeter per Second, Milliequivalents per 100 Gram, Milligram per Kilogram, Parts per Million, Kilogram per hectare, Others) 						
1	Ground Water Table						
i	Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl)):						
	From				:	2.82	
	To				:	20.92	
ii	Range of Water Table Post-Monsoon Season (Meters Below Ground Level (m bgl)):						
	From				:	1.09	
	To				:	12.55	
iii	Whether Ground Water Intersection will be there (Yes / No)?						
	If Yes,						
	(i) Upload Copy of Central Ground Water Authority Letter (<i>Upload pdf only</i>)					:	-
	(ii) Letter No.					:	-
	(iii) Date of issue					:	-
15	Details of Water Requirement (During Operation)(Multiple Entries Allowed)						
a.	Details						
	Source	Quantity in KLD	Method of water withdrawal	Distance from Source	Mode of Transport		
	Surface water (Malangir)	750	Pumped from the nallah	1.4 km, S	Pipeline		
	Total	750					
	<ul style="list-style-type: none"> - Source: Surface /Ground Water /Sea /Others - Mode of Transportation: Pipeline /Canal /Others - Method of water withdrawal: Barrage / Weir / Intake well / Jackwell / Tube well / Open well / Others 						
b.	Upload Copy of Permission from Competent Authority (<i>Upload pdf only</i>) : Enclosed as Annexure-XVII of EIA Report.						
c.	Letter No.					:	603/10-11
d.	Date of issue					:	03/04/2010
e.	Permitted quantity					:	21,901 KLD
f.	Whether Desalination is proposed (Yes/ No)						
	If Yes,						
	(i) Desalination capacity (KLD)					:	Not Applicable
	(ii) Quality of Brine (KLD)					:	Not Applicable

			Mine (Additional) - 1350 Total - 4,350 (After capacity Expansion)
b.	Source	:	Chhattisgarh State Electricity Board
c.	Upload Copy of Agreement (<i>Upload pdf only</i>)	:	-
d.	Standby Arrangement (Details of DG Sets)	:	Nil
e.	Stack Height (in m)	:	Not Applicable
20	Land Ownership Pattern (Prior to the project proposal) in Ha		
a.	Forest land	:	322.368
b.	Private Land	:	Nil
c.	Government Land	:	Nil
d.	Revenue Land	:	Nil
e.	Other Land	:	Nil
	Total land		322.368
21	Present Land Use breakup in Ha		
a.	Agriculture Area	:	-
b.	Waste/Barren Area	:	-
c.	Grazing/ Community Area	:	-
d.	Surface Water bodies	:	-
e.	Settlements		-
f.	Industrial	:	-
g.	Forest	:	322.368
h.	Mangroves		-
i.	Marine area		-
j.	Others (Specify)	:	-
	Total	:	322.368
22	Land requirement for various activities (Multiple entries allowed) in Ha		: Bailadila Deposit-14 ML is an existing mining project and there is no additional land required for the proposed capacity expansion. The present land use is shown below:
	Description of Activity / Facility / Plant / Others	Present Land Use (ha)	Remarks
	Mining	86.550	It is an existing mining project and there is no additional land requirement.
	Dump	44.220	
	Infrastructure	43.840	
	Area afforested	147.758	
	Total	322.368	
- Activity / Facility / Plant / Others include: Main Plant, Township, Greenbelt, Ash pond, Quarry area, OB dump Area, Safety zone, Tailing pond, Landfill, Water reservoir, De-			

	salination plant, Area for solid waste management, Built-up area, others														
23	Ecological and Environmental Sensitivity (Within 10 Km):-<u>WLS-Wild Life Species; NPA-Notified Protected Area; ESAs-Eco Sensitive Areas;ESZs- Eco Sensitive Zones</u>														
a.	Details of Ecological Sensitivity	:	Not Applicable (As there is no ecological sensitivity area within the 10 km radius of the Dep-14 NMZ ML boundary)												
	<table border="1"> <thead> <tr> <th>Details of Ecological Sensitivity</th> <th>Name</th> <th>Distance from the Project (Km)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Details of Ecological Sensitivity	Name	Distance from the Project (Km)	Remarks	-	-	-	-	-	-	-	-		
Details of Ecological Sensitivity	Name	Distance from the Project (Km)	Remarks												
-	-	-	-												
-	-	-	-												
	- Details of Ecological Sensitivity:- (Critically Polluted Area, WLS, NPA, ESAs, ESZs, Corridors, Wildlife Corridors)														
b.	Whether NBWL recommendation is required (Yes/No)?	:	No												
	If yes														
	Upload NBWL recommendation in PDF	:	Not Applicable												
c.	Details of Environmental Sensitivity	:	Not Applicable												
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Details of Environmental Sensitivity	Name	Distance from the Project (Km)	Remarks												
Forest	1. Bailadila R.F 2. Bijapur R.F	Within mine lease 6.1 km, W	-												
Defense Installation Archaeological Sites	Nil within 10 km radius study area	-	-												
	- Details of Environmental Sensitivity:- (Forest, Archaeological Sites, Defence Installations, Others)														
d.	Whether NoC / Permission from the competent authority is required (Yes/No)?	:	Nil												
	If yes														
	Upload NoC / Permission from the competent authority in PDF	:	Not Applicable												
24	Forest Land														
1	Whether any Forest Land involved(Yes/No)?	:	Yes												
	If Yes														
a.	Forests Clearance Status (In-Principle(Stage-I) Approval Obtained / Final (Stage-II) Approval Obtained / Forest Clearance Under Process(Stage-I) / Forest Clearance Under Process(Stage-II) / Application for Forest Clearance yet to be Submitted)	:	obtained												
	If In-Principle (Stage-I) Approval Obtained,														
	(i) MoEFCC file number	:	8-41/97-FC												
	(ii) Date of In Principle (Stage-I) approval	:	11/06/1998												

		(iii) Area diverted	:	322.368
		(iv) Upload FC Letter (Upload pdf only and attach it as Annexure-FC letter)	:	
		If Final (Stage-II) Approval Obtained,		
		(i) MoEFCC file number	:	8-41/97-FC
		(ii) Date of Final Approval	:	18/06/1999
		(iii) Date of In-Principle Approval	:	11/06/1998
		(iv) Area diverted	:	322.368
		(v) Upload FC Letter(<i>Upload pdf only and attach it as Annexure-FC letter</i>)		Enclosed as Annexure-XIII of EIA Report
		If Forest Clearance under process (Stage-I),		Already obtained
		(i) MoEFCC file number	:	Not Applicable
		(ii) Area applied	:	Not Applicable
		If Forest Clearance under process (Stage-II),		Already obtained
		(i) MoEFCC file number	:	Not Applicable
		(ii) Area applied	:	Not Applicable
	b.	Legal Status of Forest Land (Reserved, Protected, Private, Village, Others)		Reserved Forest land
		If Others,		
		Please Specify Others	:	Not Applicable
25	Tree Cutting, if any			
	a.	No. of Trees Cut for the Project (if Forestland not involved)	:	Not Applicable
	b.	Details of Tree Cutting and Planting of Trees (<i>Upload pdf Only</i>)	:	Not Applicable
26	Land Acquisition Status			
	a.	Acquired Land	:	322.368 ha
	b.	Land yet to be acquired	:	Not Applicable
	c.	Status of Land acquisition if not acquired	:	Not Applicable
27	Rehabilitation and Resettlement (R&R)			
	a.	No. of Villages		Not Applicable
	b.	No. of Households		Not Applicable
	c.	No. of PDFs (Project Displaced Families)		Not Applicable
	d.	No. of PAFs (Project Affected Families)		Not Applicable
	e.	Funds Allocated for R&R		Not Applicable
	f.	Status of R&R (Completed / In-progress / Yet to start)		Not Applicable
28	Whether there is Presence of Schedule-I Species (Yes/No)? : Yes			
		If yes,		
	a.	Details of Schedule-I Species	:	There is presence of seven

			species which are confined in the Indian Wildlife (Protection), Act, 1972 as per the Schedule-I status found in the study area. They are: <i>Milvus migrans</i> (Black Kite), <i>Pavo cristatus</i> (Common peafowl), <i>Accipiter badius</i> (Shikra), <i>Butastur teesa</i> (White eyed Buzzard) <i>Melursus ursinus</i> (Sloth bear) <i>Panthera pardus</i> (Leopard) <i>Python molurus</i> (Python)
	b.	Whether conservation plan for Schedule-I Species has been prepared (Yes/ No)?	: Yes
		If Yes,	
		(i) Upload conservation plan (Upload only PDF)	Enclosed as Annexure-XXII(B) of EIA Report
		(ii) Fund Provision made	INR. 13.93 Crores.
		(iii) Period of Implementation	For 20 years
	c.	Whether conservation plan for Schedule-I Species has been approved by competent authority (Yes/ No)?	Yes
		(i) Upload copy of approval (Upload PDF Only)	: Enclosed as Annexure-XXII(B) of EIA Report
		(ii) Letter No.	: Letter No. 315/2017/571
		(iii) Date of issue	: 4/02/2017
		(iv) Recommendations if any	: -
29		Whether there is Presence of Water Bodies in Core Area(Yes/No)?	: No
		If yes,	
	a.	Details of Water Bodies in Core Area	: Not Applicable
	b.	Whether there is Diversion required (Yes/No)?	: No
		If yes,	
	c.	Details of diversion required	Not applicable
	d.	Details of study conducted	Not applicable
	e.	Whether permission has been obtained from competent authority (Yes/No)?	Not Applicable
		(i) Upload copy of permission (Upload PDF Only)	Not Applicable
		(ii) Letter No.	Not Applicable
		(iii) Date of issue	Not Applicable
		(iv) Recommendations if any	Not Applicable

30	Whether there is Presence of Water Bodies in Buffer Area(Yes/No)?		:	Yes																				
	If Yes																							
	a.	Details of Water Bodies in Buffer Area	:	Koyar Nadi (2.4 km, ENE) Galli Nalla (4.5 km, NW) Sankani River (6.8 km, NE)																				
	b.	Direction of Water Bodies in Buffer Area (North / South / East / West / North East / North West / South East / South West)	:	ENE NW NE																				
	c.	Distance of Water Bodies in Buffer Area (kilo meters)		2.4 km 4.5 km 6.8 km																				
31	Manpower Requirement - The proposed project is a capacity expansion project																							
	a.	Permanent employment during construction	:	-																				
	b.	Permanent employment during operation	:	-																				
	c.	Temporary employment during construction	:	-																				
	d.	Temporary employment during operation	:	-																				
	e.	No. of working days	:	305																				
	f.	Total manpower	:	1658 (Existing man power)																				
32	Green Belt in Ha																							
	a.	In case of new projects	:	Existing mining Project (Deposit-14 ML)																				
	i.	Total Area of Green Belt		Not Applicable																				
	ii.	Percentage of Total Project Area	:	Not Applicable																				
	iii.	No. of Plants to be Planted	:	Not Applicable																				
	iv.	Funds Allocated for Plantation	:	Not Applicable																				
	v	Upload Green Belt Plan (Upload PDF Only)	:	Not Applicable																				
	b.	Incase of expansion / modernization / change in product mix etc.		Capacity Expansion project																				
	i.	<table border="1"> <thead> <tr> <th>Description</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Total Area of Green Belt</td> <td>147.758 ha</td> <td>174.61 ha</td> <td>322.368 ha</td> </tr> <tr> <td>Percentage of Total Project Area</td> <td>45%</td> <td>55%</td> <td>100 %</td> </tr> <tr> <td>No. of Plants</td> <td>4,19,506</td> <td>2,62,500</td> <td>6,82,006</td> </tr> <tr> <td>Funds Allocated</td> <td>-</td> <td>525 Lakhs</td> <td>525 Lakhs</td> </tr> </tbody> </table>			Description	Existing	Proposed	Total	Total Area of Green Belt	147.758 ha	174.61 ha	322.368 ha	Percentage of Total Project Area	45%	55%	100 %	No. of Plants	4,19,506	2,62,500	6,82,006	Funds Allocated	-	525 Lakhs	525 Lakhs
Description	Existing	Proposed	Total																					
Total Area of Green Belt	147.758 ha	174.61 ha	322.368 ha																					
Percentage of Total Project Area	45%	55%	100 %																					
No. of Plants	4,19,506	2,62,500	6,82,006																					
Funds Allocated	-	525 Lakhs	525 Lakhs																					
	ii.	Upload Green Belt Plan (Upload PDF Only)		Attached in Figure-4.7(A), Chapter-4 of EIA Report																				
33	Project Benefit (Multiple entry allowed)																							
	Type of Project Benefits		Details of Project Benefit																					

Social, Economic development

The existing mining projects of NMDC have given social benefits to surrounding population in the form of educational facilities, roads, communication facilities, transportation, marketing, banking, postal services and health facilities directly or indirectly. The civic amenities have already been developed due to existing mines in Bailadila complex. The location of the mines in Bailadila Iron Ore Complex has helped to improve vastly the financial resources of the surrounding population by way of petty trade and employment opportunities. The projects had encouraged the setting up of various utility services and petty trade benefiting around 5,000 people around the mining areas mainly in Kirandul. Further, project is contributing 30% of royalty (royalty - 15% avg sale price of iron ore) amount to District Mineral Fund for social and upliftment measures of Dantewada District including adjoining districts such as Sukma, Bijapur.

Expenditure incurred towards corporate social responsibility activities from 2006-07 to 2016-17 and proposed for F.Y 2017-18 in r/o Kirandul complex is given in the following table:

F. Y	CSR fund expenses in Rs. Lakhs	F. Y	CSR fund expenses in Rs. Lakhs
2006-07	751.99	2007-08	942.24
2008-09	1173.75	2009-10	1438.76
2010-11	2099.00	2011-12	2653.85
2012-13	2600.75	2013-14	2861.72
2014-15	5464.92	2015-16	5496.79
2016-17	6912.86	2017-18	4260.86

The iron ore mining projects in Kirandul Complex is also contributing the National exchequer in the form of Royalty, District Mineral Fund (DMF), National Mineral Exploration Trust (NMET), Forest Transit Fee (FTF), GST, Income tax from salaries and contract payments and other taxes. The details of payment for last 10 years in r/o Deposit-14 is given below.

		Rs.in Cr.				
		Year	Royalty	DMF	NMET	FTF
		2008-09	8.69	---	---	---
		2009-10	44.51	---	---	---
		2010-11	127.51	---	---	---
		2011-12	149.46	---	---	---
		2012-13	113.83	---	---	0.79
		2013-14	141.09	---	---	2.84
		2014-15	200.76	---	1.30	2.91
		2015-16	98.67	17.53	1.97	4.03
		2016-17	138.25	41.47	2.76	7.62
		2017-18 (as on 31.12.17)	89.28	26.74	1.70	3.50
Employment		It provided direct employment to approx. 132 people due to capacity expansion project. Further, it may also provide in direct employment to 250 persons				
(Project benefits shall include environmental, social and others)						
34	Whether the Project / Activity attracts the provisions of CRZ (Yes/No)?					: No
	If yes,					
1	Project Details					
	a.	CRZ Classification: (CRZ I (A), CRZ I(B), CRZ II, CRZ III, CRZ IV (A), CRZ IV(B))				Not Applicable
	b.	Location type: (Non-Eroding Coast, Low and Medium Eroding Coast, High Eroding Coast)				Not Applicable
	c.	Details of Mangroves Land Involved, if Any				Not Applicable
	d.	Area of Mangroves Land (hectare)				Not Applicable
	e.	EIA (Terrestrial) Studies: (Carried Out, Not Carried Out)				Carried out
		<i>If Carried Out,</i>				
	1)	Summary Details of EIA (Terrestrial) Studies				Primary data collection for flora through random sampling method for trees, shrubs and herbs from the selected locations to know the vegetation cover qualitatively and Faunal studies by taking transect in the study area to spot the fauna and

					also to know the fauna through secondary indicators such as pugmarks, scats, fecal pellets, calls and other signs were conducted during the study period. The flora and fauna details present in the core zone are given in Table-3.9.3 and Table-3.9.4 of Chapter-3. The list of flora and fauna present in buffer zone is given in Table-3.9.5 and Table-3.9.6 of Chapter-3. Detailed ecological studies presented in Section-3.9 of Chapter-3. The list of flora and fauna in the core and buffer zone is enclosed as Annexure-XXIII of EIA Report
			2)	Upload Recommendation made in EIAs (Upload pdf only)	Impacts, mitigation and conservation plan is given in Section-4.7, Chapter-4 of EIA Report.
			3)	Period of Study from (EIA Terrestrial)	1 st December 2015
			4)	Period of Study to (EIA Terrestrial)	28 th February 2016.
				<i>If Not Carried out</i>	
				Give Reason	Not Applicable
		f.		EIA (Marine) Studies: (Carried Out, Not Carried Out)	Not carried out
				If carried out	
			1)	Summary Details of EIA (Marine) Studies	Not Applicable
			2)	Upload Recommendation made in EIAs	Not Applicable
			3)	Period of Study from (EIA Marine)	Not Applicable
			4)	Period of Study to (EIA Marine)	Not Applicable
				<i>If Not Carried out,</i>	
				Give Reason	The study area does not cover any marine region.
		g.		Disaster Management Plan/National Oil Spill Disaster Contingency Plan (if Applicable)	The disaster management plan is prepared and given in Section-7.4, Chapter-7 of EIA Report.
	2.			Description of the Project Under Consideration	
		a.		Type of Project: (Resort/Buildings/civic amenities, Coastal Roads/Roads on Stilt, Pipelines from Thermal power Blow Down, Marine Disposal of Treated Effluent, Facility for Storage	Not Applicable

			of Goods/Chemicals, Offshore structures, Desalination Plant, Mining of Rare Earth/Atomic Minerals, Sewage Treatment Plants, Lighthouse, Wind Mills, Others)	
			<i>If Resort/Buildings/civic amenities,</i>	
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Total Area/Built-up Area (hectare)	Not Applicable
		3)	Height of Structure	Not Applicable
		4)	FSI Ratio	Not Applicable
		5)	The governing Town Planning Rules/Regulations	Not Applicable
		6)	Details of Provision of Car Parking Area	Not Applicable
			<i>If Coastal Roads/Roads on stilt,</i>	
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Area of Land Reclamation	Not Applicable
		3)	Estimated Quantity of Muck/Earth for Reclamation	Not Applicable
		4)	Carrying Capacity of Traffic	Not Applicable
			<i>If Pipelines from Thermal Power Blow Down,</i>	
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Length of Pipeline	Not Applicable
		3)	Length Traversing CRZ Area	Not Applicable
		4)	Depth of Excavation	Not Applicable
		5)	Width of Excavation	Not Applicable
		6)	Length of Pipeline from Seashore to Deep Sea	Not Applicable
		7)	Depth of Outfall Point from Surface of Sea Water	Not Applicable
		8)	Temperature of effluent above Ambient at Disposal Point	Not Applicable
			<i>If Marine Disposal of Treated Effluent,</i>	
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Location of Intake/Outfall	Not Applicable
		3)	Depth of Outfall Point	Not Applicable
		4)	Length of Pipeline	Not Applicable
		5)	Length Traversing CRZ Area	Not Applicable
		6)	Depth of Excavation	Not Applicable
		7)	Width of Excavation	Not Applicable

		8)	Length of Pipeline from Seashore to Deep Sea/Creek	Not Applicable
		9)	Depth of Outfall Point from Surface of Sea Water	Not Applicable
		10)	Depth of Water at Disposal Point	Not Applicable
		11)	Type of Disposal	Not Applicable
		<i>If Facility for Storage of Goods/Chemicals,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Name and Type of Chemical	Not Applicable
		3)	End use of the Chemical	Not Applicable
		4)	No. of Tanks for Storage	Not Applicable
		5)	Capacity of tanks	Not Applicable
		<i>If offshore structures,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Exploration or Development	Not Applicable
		3)	Depth of Sea Bed	Not Applicable
		4)	No. of Rigs/Platform	Not Applicable
		5)	Details of Group Gathering Stations	Not Applicable
		<i>If Desalination Plant,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Capacity of Desalination	Not Applicable
		3)	Total Brine Generation	Not Applicable
		4)	Temperature of Effluent above Ambient at Disposal Point	Not Applicable
		5)	Ambient Salinity	Not Applicable
		6)	Disposal Point	Not Applicable
		<i>If Mining of Rare Earth/Atomic Minerals,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Capacity of Mining	Not Applicable
		3)	Volume/Area to be mined	Not Applicable
		4)	Type of Mineral to be Extracted	Not Applicable
		5)	End use of the Mineral	Not Applicable
		<i>If Sewage Treatment Plants,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Capacity	Not Applicable
		3)	Total Area of Construction	Not Applicable
		4)	Compliance of effluent parameters as laid	Not Applicable

			down by CPCB/SPCB/other authorized agency	
		5)	Whether discharge is in sea water/creek? If yes,	Not Applicable
			Distance of Marine Outfall Point from Shore/from the tidal river bank	Not Applicable
			Depth of Outfall Point from Sea Water Surface	Not Applicable
			Depth of Sea at Outfall Point	Not Applicable
		<i>If Lighthouse,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Total Area of Construction	Not Applicable
		3)	Height of the Structure	Not Applicable
		<i>If Wind Mills,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Capacity (MW)	Not Applicable
		3)	Transmission Lines: (Overhead, Underground)	Not Applicable
		4)	Diameter of Windmill	Not Applicable
		5)	Length of Blade	Not Applicable
		6)	Speed of Rotation	Not Applicable
		7)	Height of the Structure	Not Applicable
		<i>If Others,</i>		
		1)	Agency Name for Preparing CRZ Maps	Not Applicable
		2)	Please Specify with salient features	Not Applicable
		3)	Upload relevant Document (<i>Upload pdf only</i>)	Not Applicable
	3.	Distance of Project (In Meters) from LTL/HTL to be Stated		
		a.	Clause of CRZ Notification Under which the Project is a Permissible/Regulated Activity	Not Applicable
		b.	Whether CRZ Map Indicating HTL, LTL Demarcation in 1:4000 Scales Prepared? (Yes/No)	No
		<i>If Yes,</i>		
		1)	Distance of Project (in meters) from HTL to be Stated	Not Applicable
		2)	Upload Maps(<i>kml File</i>)	Not Applicable

		3)	Distance of Project(in meters) from LTL to be Stated	Not Applicable
		4)	Upload Maps (<i>kml File</i>)	Not Applicable
		c.	Whether Project Layout Superimposed on CRZ Map 1:4000 Scales?: (Yes/No)	Not Applicable
			<i>If Yes,</i>	
		1)	Upload Maps (<i>kml File</i>)	Not Applicable
		d.	Whether CRZ Map 1:25000 Covering 7 km Radius Around Project Site Prepared? (Yes/No)	Not Applicable
			<i>If Yes,</i>	
		1)	Upload Maps (<i>kml File</i>)	Not Applicable
		e.	Whether CRZ Map Indicating CRZ-I,II,III and IV Including Other Notified ESAs Prepared?: (Yes/No)	Not Applicable
			<i>If Yes,</i>	
		1)	Upload Maps (<i>kml File</i>)	Not Applicable
		f.	NOC from State Pollution Control Boards Obtained: (Yes/No)	Not Applicable
			<i>If Yes</i>	
		1)	Upload Copy of NOC (<i>Upload pdf only</i>)	Not Applicable
		g.	Details of Rain Water Harvesting System	Not Applicable
	4.	Recommendation of State Coastal Zone Management Authority		
		a.	Upload Copy of CZMA (<i>Upload pdf Only</i>)	Not Applicable
		b.	State the Conditions Imposed	Not Applicable
		c.	Social and Environmental Issues and Mitigations Measures Suggested Including but not Limited to R&R, Water, Air, Hazardous Wastes, Ecological aspects, etc. (Brief Details to be Provided)	Not Applicable
35	Sector Specific Details			
I	Whether the proposal is mining of minerals (coal / non-coal) project (Yes/No)?			: Yes
		<i>If yes,</i>		
	1	No. of Mineral to be Mined (Multiple Entries Allowed)		:
		Minerals To be Mined	Major or Minor Mineral	
		Iron Ore	Major	
	2	Mine Capacity in ROM (Run of Mine)	:	5.0 MTPA to 10.0 MTPA
	3	Upload 500 meters Cluster Certificate from State Mines and Geology in case of minor minerals (Upload pdf Only)		Not Applicable

4	Mining Plan			
	a.	Approval Letter No.	:	BST/FE/MPLN-435/NGP-15
	b.	Date of Approval	:	16/03/2016
	c.	Upload Approved Letter (<i>Upload pdf only</i>)		Enclosed as Annexure-XII of EIA Report.
	d.	Approved by State Mines & Geology Department / Indian Bureau of Mines / Ministry of Coal /Ministry of Mines /State Government /Atomic Mineral Directorate / Others)		Indian Bureau of Mines, Raipur.
	e.	If Others,		
		Please specify		Not Applicable
	f.	Approved Mining Lease Area		322.368 ha
	g.	Approved Capacity		5.0 MTPA
5	Technical Details			
	a.	Total Geological Reserves (Million Ton)		478.173 MT
	b.	Mineable Reserves (Million Ton)		365.62 MT (as on 01.04.2017)
	c.	Extractable Reserves(Million Ton)		365.62 MT
	d.	Percent of Extraction(%)		76.46 %
	e.	Grade of Coal /Ore /Mineral		65.5% Fe
	f.	Stripping Ratio		1:0.28
	g.	Category of Gaseousness (Only for Coal Mining, Others may write Not applicable)		Not Applicable
	h.	Average Gradient (Degree)		45° for mine bench 1 in 16 for haul roads
	i.	Maximum Thickness of Seams(meters) (Only for Coal Mining, Others may write Not applicable)		Not Applicable
	j.	Mining Method (Opencast / Underground /Mixed(Opencast + Underground) /Adit		Open Cast
	k.	Life of Mine (Years)		36 years
6	Details of beneficiation (including crushing / screening/others)			
	a.	Whether it is proposed to install crusher within the mining lease area (Yes/No)?		Yes
		If yes,		
	b.	No. of crushers		1
	c.	Details of crusher (Multiple entries allowed)		
		Crusher ID	Capacity (in TPH)	Remarks
		Existing: 60"x89"	1800 TPH	5 MTPA
		Proposed: 60"x89"	3000 TPH	10 MTPA

	d.	Whether it is proposed to install beneficiation plant / Coal washery within the mining lease area (Yes/No)? If yes,	No								
	e.	Beneficiation / washing Technology	Not Applicable								
	f.	Capacity	Not Applicable								
7	Details of Seams if applicable										
	a.	No. of seams	Not Applicable								
	b.	Thickness of seams to be worked on	Not Applicable								
	c.	Maximum Thickness of Seams(meters) (if not Applicable,may Write NA)	Not Applicable								
8	Details of Mining Lease										
	a.	Details of Mining Lease	Deposit 14 Mining Lease was valid upto 11.09.2015 and further extended upto 31.03.2020 as per the “The Mines and Minerals (Development and Regulation) Amendment Act, 2015” dated 26.03.2015.								
	b.	Upload Letter of Intent (Upload pdf only)	The lease deed was executed for the period up to 31/3/2020 is enclosed as Annexure-VIII(A) of EIA Report.								
	c.	Date of Execution of Mining Lease with Reference Number	11/09/2015 IN-CG01554762007602N								
	d.	Validity of Mining Lease	31/3/2020								
	e.	Upload Copy of Executed Lease deed valid as on Date (Upload pdf only)	Enclosed Annexure-VIII(A) of EIA Report.								
	f.	Earlier Renewals (Multiple Entries Allowed)									
		<table border="1"> <thead> <tr> <th>Uploaded Copy of Earlier Lease</th> <th>Date of Renewal</th> </tr> </thead> <tbody> <tr> <td>Lease period from 11/09/65 to 10/09/95</td> <td>11.09.1965</td> </tr> <tr> <td>Lease period from 12/09/95 to 11/09/2015</td> <td>07.09.2005</td> </tr> <tr> <td>Lease period from 12/09/2015 to 31/03/2020</td> <td>11.09.2015</td> </tr> </tbody> </table>	Uploaded Copy of Earlier Lease	Date of Renewal	Lease period from 11/09/65 to 10/09/95	11.09.1965	Lease period from 12/09/95 to 11/09/2015	07.09.2005	Lease period from 12/09/2015 to 31/03/2020	11.09.2015	
Uploaded Copy of Earlier Lease	Date of Renewal										
Lease period from 11/09/65 to 10/09/95	11.09.1965										
Lease period from 12/09/95 to 11/09/2015	07.09.2005										
Lease period from 12/09/2015 to 31/03/2020	11.09.2015										
9	OB (Over Burden) Management (Only if Mining Method: Opencast)										
	a.	Details of External Dumps									
		i) No. of OB Dumps	3 Nos. Dump-14(1)								

				Dump-14(2) Dump-14(3)
			ii) Total Area (in Hectare)	Dump-14(1) - 35,0 ha Dump-14(2) - 6.0 ha Dump-14(3) - 5.0 ha
			iii) Height (in meter)	30 m (max)
			iv) Quantity (in Million Cubic meter)	Dump-14(1) - 170 LT Dump-14(2) - 20 LT Dump-14(3) - 15 LT
			v) No. of year back fill up	-
		b.	Details of Internal Dump	
			i) No. of Internal Dumps	Not Applicable
			ii) Total Area (in Hectare)	Not Applicable
			iii) Height (in meter)	Not Applicable
			iv) Quantity (in Million Cubic meter)	Not Applicable
	10		Details of Topsoil Management	
		a.	Quantity of Topsoil excavated during the entire life of the mine (in Million Cubic meter)	No Topsoil Generation
		b.	Quantity of Topsoil proposed for utilization for reclamation during the entire life of the mine (in Million Cubic meter)	Not Applicable
		c.	Quantity of Topsoil proposed for utilization for other activities during the entire life of the mine (in Million Cubic meter)	Not Applicable
	11		Detail of Final Mine Void (Only if Mining Method: Opencast)	
		a.	Area (in Hectare)	-
		b.	Depth (in meter)	-
		c.	Volume (in Million Cubic meter)	-
	12		Details of Quarry(Only if Mining Method: Opencast)	
		a.	Final Void of (hectare)	206.00 ha
		b.	At a Depth of (meter which is proposed to be converted into a Water Body.)	24 m (in case closed pit is formed)
		c.	Total Quarry Area (ha)	206.00 ha
	13		Details of Transportation	
		a.	In Pit/Underground to Surface	Dumpers
		b.	Surface to Siding/Loading	The crushed material is transported through downhill conveyor system to screening plant(s) located in adjacent mining lease of NMDC i.e. Bailadila Deposit-14 NMZ.

					The screened ore is transported through conveyor system to loading plant located outside mining lease areas in revenue land.	
		c.	Transportation / Conveyor Details		The ore is transported to customers through railway wagon and minor quantity by road.	
14	Details of Land Usage (Pre-Mining)					
			Land Use	Within ML Area (Hectare)	Outside ML Area (Hectare)	Total
			Agriculture Land			
			Forest Land	322.368	-	322.368 ha
			Waste Land			
			Grazing Land			
			Surface Water Bodies			
			Settlements			
			Others(Specify)			
15	Details of Transportation					
		a.	In Pit/Underground to Surface			Dumpers
		b.	Surface to Siding/Loading			The crushed material is transported through downhill conveyor system to screening plant(s) located in adjacent mining lease of NMDC i.e. Bailadila Deposit-14 NMZ. The screened ore is transported through conveyor system to loading plant located outside mining lease areas in revenue land.
		c.	Transportation / Conveyor Details			The ore is transported to customers through railway wagon and minor quantity by road.
16	Details of Land Usage (Pre-Mining)					
			Land Use	Within ML Area (Hectare)	Outside ML Area (Hectare)	Total
			Agriculture Land			
			Forest Land	322.368	-	322.368 ha
			Waste Land			
			Grazing Land			

		Surface Water Bodies					
		Settlements					
		Others(Specify)					
		Others					
17	Details of Land Usage (Post-Mining)						
		Land Use	Plantation	Water Body	Public Use	Others	
		Excavation / quarry	206.000				
		Top Soil Storage	-				
		External OB dumps	46.000				
		Internal OB dumps	-				
		Roads	66.501				
		Built Up Area (Colony/Office)					
		Green Belt					
		Virgin Area	-				
		Other (Safety zone)	3.867				
		Total	322.368				
18	Details of Reclamation(Only if Mining Method: Opencast)Total Afforestation Plan shall be Implemented Covering of Mining. This will include:						
	a.	External OB Dump(in hectare)		46.000			
	b.	Internal Dump(in hectare)		-			
	c.	Quarry(in hectare)		206.000			
	d.	Safety Zone(in hectare)		: 3.867			
	e.	Final Void of (hectare)		: -			
	f.	At a Depth of (<i>meter which is proposed to be converted into a Water Body.</i>)		: -			
	g.	Density of Tree Plantation per ha (in no.)		: 1500-2000 / ha			
	h.	Others in ha (such as Excavation Area along ML Boundary, along Roads and Infrastructure, Embankment Area and in Township Located outside the Lease etc.)		66.501 ha			
	i.	Total afforestation plant (in hectare)		322.368			
19	Status of Progressive Mining Closure Plan (For Expansion Projects only)						
	a.	Implementation of Various Activities as per Approved Progressive Mine Closure Plan(in Bar Chart) (pdf)		The mine benches are active and no area is presently available for technical and biological reclamation. The reclamation of			

			(Upload pdf only)		mined out areas will be undertake at the end of life of mine after obtaining approval of IBM for Mine Closure Plan.		
		b.	Any Deviation from the Approved Progressive Mine Closure Plan		No		
		c.	Total Area Excavated(in hectare)		206.000		
		d.	Total Area Backfilled after Excavation(in hectare)		-		
		e.	Total Area Reclaimed (in hectare)		206.000 (at conceptual stage)		
	20	Actual Coal/Ore Production vis-a-vis sanctioned capacity Since inception (Multiple Entries Allowed)			As per Common Cause Judgment, the production details since 2000-01 are given below:		
		Financial Year	Sanctioned Capacity as per EC (MTPA)	Sanctioned capacity as per CTO*	Sanctioned capacity as per approved Mining Plan	Actual Production (MTPA)	Excess Production Beyond the EC / CTO / Mining Plan Sanctioned Capacity (MTPA)
		2000-2001	3.2	9.3	2.600000	2.471898	0
		2001-2002	3.2	9.3	2.700000	2.510551	0
		2002-2003	3.2	9.3	2.600000	3.050855	0
		2003-2004	3.2	9.3	2.500000	2.933557	0
		2004-2005	3.2	9.3	2.500000	3.037969	0
		2005-2006	3.2	9.3	3.635000	3.635772	0.425772
		2006-2007	5.0	12.0	5.000000	4.365744	0
		2007-2008	5.0	12.0	5.000000	5.154328	0.154328
		2008-2009	5.0	12.0	5.000000	4.924380	0
		2009-2010	5.0	12.0	5.000000	2.812814	0
		2010-2011	5.0	12.0	5.000000	3.587509	0
		2011-12	5.0	12.0	5.000000	3.714250	0
		2012-13	5.0	12.0	5.000000	2.978164	0
		2013-14	5.0	12.0	5.000000	4.021066	0
		2014-15	5.0	12.0	5.000000	4.320378	0
		2015-16	5.0	12.0	5.000000	3.092970	0
		2016-17	5.0	12.0	5.000000	4.132570	0
	Note: * is for combined project of 14/11C Iron ore mining project.						
II	Whether proposal is for Thermal Project (including captive power plant and Waste Heat Recovery Plant) (Yes/No)?						No
	If yes,						
1	Specifications of the Plant						
	a.	Technology proposed (Supercritical, Sub-Critical, CFBC, AFBC, PFBC, IGCC, Incineration, Pyrolysis, Gasification,				:	Not Applicable

		Bio-methanation, Others)			
	b.	Plant Load Factor (%)	:	Not Applicable	
	c.	Station Heat Rate (Kcal/Kwh)	:	Not Applicable	
	d.	Steam Rate/Flow Rate	:	Not Applicable	
	e.	Boiler Temperature	:	Not Applicable	
	f.	Boiler Pressure	:	Not Applicable	
	g.	Type of Stack (Single flue / Bi-flue / Tri-Flue)	:	Not Applicable	
	h.	No. of Stacks		Not Applicable	
		Stack ID	Stack height (m)	Stack Diameter at exit (m)	
		-	-	-	
		-	-	-	
		Exit velocity of stack gas (m/s)	Exit temperature of stack gas (°C)		
		-	-	-	
		-	-	-	
	2	Details of fuel linkage (please specify if multiple linkages are involved)			
	a.	Type of linkage (Linkage / Fuel Supply Agreement / e-auction / MoU / LOA / Captive / Open market / Others)		Not Applicable	
	b.	Quantity of linkage granted		Not Applicable	
	c.	Date of Linkage		Not Applicable	
	d.	Duration of linkage		Not Applicable	
	3.	Details of Transportation of fuel			
		Details / Mode	Distance (km)	Quantity (TPA)	
		Rail	-	-	
		Road	-	-	
		Pipeline	-	-	
		Conveyor	-	-	
		Other mode (Please specify)	-	-	
	4.	Details of Fuel Characteristics			
	a.	Gross Calorific Value (Kcal/Kg)		Not Applicable	
	b.	Ash content (%)		Not Applicable	
	c.	Sulphur Content (%)		Not Applicable	
	d.	Moisture (%)		Not Applicable	
	e.	Mercury (mg/kg)		Not Applicable	
	f.	Fixed Carbon (%)		Not Applicable	
	g.	Volatile Matter (%)		Not Applicable	
	5.	Details of Cooling system			
	a.	Type of cooling system: Air cooled/Water cooled		Not Applicable	
	b.	Type of draft: Natural draft/Forced draft		Not Applicable	

	c.	Type of air circulation: Parallel flow/ Counter flow		Not Applicable	
	d.	Cycles of Cooling (COC):		Not Applicable	
	e.	Water requirement for cooling (m ³ /day):		Not Applicable	
	f.	Boiler blow down temperature:		Not Applicable	
III	Whether proposal is for River Valley & Hydroelectric Project (Yes/No)?			No	
	If Yes,				
	1.	Sub Sector: (Multipurpose Project / Hydroelectric Project / Irrigation project)		Not Applicable	
	2.	Name of the River	:	Not Applicable	
	3.	Whether Cumulative Impact Assessment and Carrying Capacity Study of River Basin Carried Out? (Yes/No)	:	No	
		If Yes	:		
	a.	Status of Cumulative Impact Assessment and Carrying Capacity Study of River Basin: (Recommended / Not Recommended,)	:	Not Applicable	
		If Recommended			
	b.	Details of Cumulative Impact Assessment and Carrying Capacity Study of River Basin	:	Not Applicable	
	c.	Upload Relevant Document (<i>Upload pdf only</i>)	:	Not Applicable	
	4.	Type of Project: (Construction of Dam Barrage / Run of the River / Lift Irrigation Scheme)	:	Not Applicable	
	5.	Dam Height (meter) if applicable	:	Not Applicable	
	6.	Dam Length (meter) if applicable		Not Applicable	
	7.	Total Submergence Area (hectare)	:	Not Applicable	
	8.	Details of Gross Command Area (GCA) (hectare)	:	Not Applicable	
	9.	Details of Irrigable Command Area (ICA) (hectare)	:	Not Applicable	
	10.	Details of Culturable Command Area (CCA) (hectare)	:	Not Applicable	
	11.	Total Command Area (hectare)	:	Not Applicable	
	12.	Powerhouse Installed Capacity	:	Not Applicable	
	a.	Type of Powerhouse: (Underground / Surface)		Not Applicable	
	b.	Capacity (megawatts)		Not Applicable	
	c.	No. of Tunnels		Not Applicable	
	d.	No. of Units		Not Applicable	
	e.	Bank of River: (Left /Right / Both)		Not Applicable	
	13.	Generation of Electricity Annually			
	a.	Quantity of Generation of Electricity Annually (in Giga Watt Hours(GWh))		Not Applicable	
	b.	Water availability at various percentages		Not Applicable	
		Percentage	Water	Dependable	Remarks

			availability (Cusecs)	year		
		At 50%	-	-	-	
		At 75%	-	-	-	
		At 90%	-	-	-	
		c.	Machine Availability (%)			Not Applicable
		d.	Cost of Electricity Generation (in INR)			: Not Applicable
		e.	Internal Rate of Return (%)			: Not Applicable
		f.	Year of achievement of Internal Rate of Return			: Not Applicable
	14.	Catchment Area Treatment Plan (Upload PDF)				Not Applicable
	15.	Muck Management Plan				
		a.	Upload Muck Management Plan in PDF			Not Applicable
		b.	Total Excavation Muck (Cubic Meter)			Not Applicable
		c.	Utilized for Construction (Cubic Meter)			Not Applicable
		d.	No. of Muck Disposal sites			Not Applicable
		e.	Total Muck Disposal Area (Ha)			Not Applicable
	16.	Fishery Development and Management Plan				
		a.	Upload Fishery Development and Management Plan in PDF			Not Applicable
		b.	No. of Fingerlings			Not Applicable
		c.	No. of Fish Species			Not Applicable
		d.	Name of the umbrella Fish Species (Scientific Name)			Not Applicable
	17.	Status of Environmental Flow				
			Season	Average Inflow (in Million Cubic Meter)	Percent of Flow	
			Lean	-	-	
			Non-Lean	-	-	
			Monsoon	-	-	
			Non-Monsoon	-	-	
	18.	Free Flow Stretch(km)				Not Applicable
	19.	Approval of Central Water Commission				
		a.	Approval Reference No.			Not Applicable
		b.	Date of Approval			Not Applicable
		c.	Upload Copy of Approval (<i>Upload pdf only</i>)			Not Applicable
	20.	Approval of Central Electricity Authority				
		a.	Approval Reference No.			Not Applicable
		b.	Date of Approval			Not Applicable
		c.	Upload Copy of Approval (<i>Upload pdf only</i>)			Not Applicable

	21.	Details of Cofferdam (upstream) if applicable		
		a.	Quantity of the material (m ³)	Not Applicable
		b.	Length of the dam (m)	Not Applicable
		c.	Quantity of muck to be used (m ³)	Not Applicable
		d.	Quantity of borrow material to be used (m ³)	Not Applicable
		e.	Decommissioning plan (upload in PDF)	Not Applicable
	22.	Details of Cofferdam (downstream) if applicable		
		a.	Quantity of the material (m ³)	Not Applicable
		b.	Length of the dam (m)	Not Applicable
		c.	Quantity of muck to be used (m ³)	Not Applicable
		d.	Quantity of borrow material to be used (m ³)	Not Applicable
		e.	Decommissioning plan (upload in PDF)	Not Applicable
IV	Whether the proposal is Infrastructure projects (Yes/No)			No
	If yes?			
	1	Details of Building Construction		
		a.	Maximum Height of the Building (Meters)	Not Applicable
		b.	Total No. of Flats to be Build	Not Applicable
		c.	No. of Buildings	Not Applicable
		d.	Total plot area (sqm)	Not Applicable
		e.	Total built up area (sqm)	Not Applicable
	2	Foreshore Facilities And/or Marine Disposal		
		a.	Whether Project Involves Foreshore Activities and/or marine Disposal (Yes/No)?	No
			If Yes,	
		b.	Upload Shoreline Study (Upload pdf only)	Not Applicable
		c.	Type of Cargo	Not Applicable
		d.	Quantity of Cargo	Not Applicable
		e.	Control Measures of Cargo	Not Applicable
		f.	Dust Control Measures	Not Applicable
		g.	Quantum	Not Applicable
		h.	Quantity of Dredging (Cubic meter per day)	Not Applicable
		i.	Type of Dredging (Capital, Maintenance)	Not Applicable
		j.	Disposal of Dredge Material	Not Applicable
		k.	Details of Outfall Diffusers	Not Applicable
		m.	No. of Dilution Expected	Not Applicable
		n.	Distance at which the outlet will Reach Ambient Parameters	Not Applicable

		o.	Details of Monitoring at outfall		Not Applicable	
		p.	Copy of NoC from PCB in case of Marine Disposal(Upload pdf only)		Not Applicable	
	3	Rain Water Harvesting				
		a.	No. of Storage		Not Applicable	
		b.	Capacity		Not Applicable	
		c.	No. of Recharge Pits		Not Applicable	
		d.	Capacity		Not Applicable	
	4	Parking				
		a.	Details of 4-Wheeler/ 2-Wheeler Parking		Not Applicable	
	5.	Energy Saving Measures				
		a.	Source/Mode		Not Applicable	
		b.	Percentage		Not Applicable	
		c.	Quantity		Not Applicable	
	6.	Other Details				
		a.	Details of impact on Water Bodies and Drainage patters of catchment area, if any		Not Applicable	
		b.	Details of Traffic Density Impact Assessment and Modelling Study(<i>Upload pdf Only</i>)		Not Applicable	
		c.	In case of Underground Tunnel projects below the Forest Land – Subsidence Impact Study report(<i>Upload pdf Only</i>)		Not Applicable	
	7.	Type of Industries to be established with Industrial Estate as per their category A/B				
			Sl. No	Type of Industry	No. of Units	Category A/B
			-	-	-	-
			-	-	-	-
	8.	Length of the alignment in case of highway projects				
	9.	Details Bridges/ROB/Interchanges, Flyovers, Vehicle Underpass and Pedestrian Underpass (in case of Highway Projects)				
		a.	Total No. of Bridges		Not Applicable	
		b.	Total No. of ROB		Not Applicable	
		c.	Total No. of Interchanges		Not Applicable	
		d.	Total No. of Flyovers		Not Applicable	
		e.	Total No. of Vehicle Underpass		Not Applicable	
		f.	Total No of Pedestrian Underpass		Not Applicable	
		g.	Details of other utilities rail and road corridors		Not Applicable	
	36	Details of Court Cases if any				
		a.	Whether there is any Court Cases pending against the project		No	

	and/or land in which the project is proposed to be set up (Yes/No)?	
	If Yes,	
b.	Name of the Court (Districts Court / High Court / NGT / Tribunals / Supreme Court of India)	Not Applicable
	If name of Court: (Districts Court, High Court, NGT, Tribunals)	Not Applicable
c.	Name of the Sub-court	Not Applicable
d.	Case No.	Not Applicable
e.	Orders/Directions of the court, if any and its relevance with the proposed project	Not Applicable
f.	Case Details	Not Applicable
g.	Upload Court Order if any (Upload pdf Only)	Not Applicable
37	Details of direction issued under Environment (Protection) Act / Air (Prevention & Control of Pollution) Act / Water (Prevention & Control of Pollution) Act	
a.	Whether any direction issued under Environment (Protection) Act/Air (Prevention & Control of Pollution) Act/Water (Prevention & Control of Pollution) Act(Yes/No)?	No
	If yes,	
b.	Details of directions issued under Environment (Protection) Act/Air (Prevention & Control of Pollution) Act/Water (Prevention & Control of Pollution) Act	Not Applicable
c.	Upload copy of directions issued under Environment (Protection) Act/Air (Prevention & Control of Pollution) Act/Water (Prevention & Control of Pollution) Act	Not Applicable
d.	Compliance status of the directions	Not Applicable
38	Details of EIA Consultant	
a.	Have you hired Consultant for preparing document(Yes/No)?	: Yes
	If No,	
	(i) Reason for not engaging the Consultant	: Not Applicable
	If Yes,	
	(i) Accreditation No.	: QCI/NABET/ENV/ACO/17/028 5 dated 22/03/2017
	(ii) Name of the EIA Consultant	: Vimta Labs Limited
	(iii) Address	: 142, IDA Phase-II, Cherlapally Hyderabad-500051, India
	(iv) Mobile No.	: 09000711309
	(v) Landline No.	: +9140 27264141
	(vi) E-mail Id	: env@vimta.com

			janardhan@vimta.com
		(vii) Category of Accreditation (Eligible for Category A / Eligible for Category B)	: Sector (as per NABET) Cat-A: 1,2,4,6,8,9,12,21,27,29,31 Cat-B: 38,39
		(viii) Sector of Accreditation	: Sector (as per NABET) 1,2,4,6,8,9,12,21,27,29,31,38,39
		(ix) Validity of Accreditation	: 19/05/2019
		(x) Upload Certificate of Accreditation certified by QCI/NABET (<i>Upload pdf Only</i>)	: Attached with the Chpater-11(Disclosure of Consultant) of the EIA Report.
39	Documents to be attached		
I	<i>If Project Type is New / Expansion / Modernization / one-time capacity expansion for coal mining:</i>		
	a.	Upload Copy of EIA/EMP Report	Uploaded in the portal
	b.	Upload Copy of Risk Assessment Report	Uploaded in the portal
	c.	Upload Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan / Approved Mining Plan (in case of Mining proposals) (<i>Upload pdf only</i>)	Approved mine plan is enclosed as Annexure-XII of EIA Report
	d.	Upload Copy of Final Layout Plan (<i>Upload pdf only</i>)	The Conceptual plan is attached as Figure-2.5, Chapter-2 of EIA Report
	e.	Upload Cover Letter(<i>Upload pdf only and attach it as Annexure-document of Cover letter</i>)	Uploaded in the portal
	f.	Upload a copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency (<i>Upload pdf only and attach it as Annexure-authorization</i>)	Uploaded in the portal
	g.	Upload copy of District Survey Report (for mining of minor minerals only)	Not Applicable
		Upload copy of Replenishment Study Report & Baseline Survey data (for river sand mining proposals only)	Not Applicable
	g.	Upload Additional File, if any (<i>Upload pdf only</i>)	Uploaded in the portal
II	<i>If Project Type is other than New / Expansion / Modernization / one-time capacity expansion for coal mining: -</i>		
	a.	Upload Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan (<i>Upload pdf only</i>)	Not Applicable
	b.	Upload Copy of Final Layout Plan (<i>Upload pdf only</i>)	Not Applicable
	c.	Upload Cover Letter(<i>Upload pdf only and attach it as Annexure-</i>	Not Applicable

		<i>document of Cover letter)</i>	
	d.	Upload a copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency(<i>Upload pdf only and attach it as Annexure-authorization</i>)	Not Applicable
	e.	Upload Additional File, if any(<i>Upload pdf only</i>)	Not Applicable
	f.	Upload Updated Form1(<i>Upload pdf only</i>)	Not Applicable
40	Undertaking		
	a.	I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage,the project will be rejected and clearance given,if any to the project will be revoked at our risk and cost. In addition to above,I hereby give undertaking that no activity / construction / expansion has since been taken up	
	b.	Name	: T.S. Cherian
	c.	Designation	: Executive Director
	d.	Company	: NMDC Limited
	e.	Address	: BIOM, Kirandul Complex, South Bastar Dantewada District, Chhattisgarh 494556
