ମହାନଦୀ କୋଲ୍ଫିଲଡ଼ସ୍ ଲିମିଟେଡ଼୍ महानदी कोलफील्डस लिमिटेड Mahanadi Coalfields Limited (A subsidiary of Coal India Limited) Office of The General Manager Basundhara Area AT/PO:-Balinga-770076 Dist:-Sundargarh (Orissa) FAX: 06621-286144





Date: 29 11 2021

Ref: MCL/GM/BA/E&F/2021-22/ E3-456 190

To,

The Divisional Forest Officer, Sundargarh Division, District- Sundergarh, Odisha 770001.

Sub: Proposal for diversion of 134.69 ha forest land against Kulda Expansion Open Cast Coal Mining Project rated capacity 18.75 MTY of Basundhara Area of Mahanadi Coalfields Limited. (Proposal No. 50293/2020, State Sl. No. OR-050/2021 dated 08.07.2021)

Respected Sir,

A proposal for diversion of 134.69 ha of forest land against Kulda Expansion Open Cast Coal Mining Project rated capacity 18.75 MTY of Basundhara Area of Mahanadi Coalfields Limited duly attested is being forwarded herewith in six copies for obtaining approval of Government of India, MoEF&CC under Section -2 (ii) of Forest (Conservation) Act, 1980.

#### 1. Brief description of the Project

Kulda Open Cast Coal Mining Project in Sundargarh District is a project of Mahanadi Coal Fields Ltd. (MCL) a Government of India Public Sector Undertaking company dedicated to win coal from different coal mines located in Odisha. Kulda geological block is located in the north-western part of Ib valley coalfiled in Sundargarh district in the state of Odisha. It is situated between latitudes 22°01′02″ to 22°03′03″ North and longitudes 83°43′28″ to 83°45′35″ East. The block boundary is defined by the following- 1. North – Basundhara river, 2. West – Chattjhor nallah, tributary of Basundhara River, 3. East – Metamorphic exposure, 4. South & South East – Line joining boreholes CMHG-103,129,123,139 & 138 & adjacent Garjanbahal block. The location of the site for coal mining operation fully depends upon nature's deposit of minerals and geological structure of the coal seam.

District headquarter Sundargarh, on the State Highway-10 (Sambalpur to Rourkela), is at a distance about 46 km. from the Coal blocks. The Sundargarh (Odisha)-Raigarh (Chhattisgarh) all weather road passes through the blocks. The blocks are also connected by block top road with two important towns of Odisha



namely Rourkela at 145 km and Jharsuguda at 75 km. The blocks come under Hemgir Tahsil and Balinga police station in the district of Sundargarh, Odisha. The blocks are around 6 km. south west of Basundhara West Colliery and are connected by part metallic road. The blocks are connected by road to the State of Bhubneshwar through State Highway-10 and National Highway-42, with a total distance of around 450 km. The blocks are well connected with MCL HQ at Sambalpur situated at a distance of about 100 km.

Nearest rail-tail head is the Sardega railway siding, situated between 22°04′06.83" to 22°04′12.08" North and Longitute 83°42′41.0 1" to 83°43′08.38" East, the total length of of the track line from Jharsuguda to Sardega Railway siding is 53.1 kms and the distance of Barpali yard from Sardega railway siding is 8.72 kms. The nearest port at bay of Bengal is Paradip and situated at a distance of about 600 km. from the block. The Jharsuguda airport is the nearest airport from the block (Approx. 45 KM).

The project covers 05 (Five) villages viz. Kulda, Bankibahal, Balinga, Tumulia, Siarmal, in Sundargarh Forest Division of Sundargarh District, and stands acquired by the Central Government and the ownership is vested with MCL, it also includes one reserved forest viz. Lalma RF. Out of several coal mines, Kulda Open Cast Coal Mining Project has a rated capacity 18.75 MTY. The user agency has applied for diversion of 134.69 ha of forest land under the Forest (Conservation) Act, 1980. Forest land break-up is as given below.

Break-up of Forest Land					
Mining	Safety Zone	Embankment, OB Dump, Blasting Zone & Others	OB Dump	Total	
110.93	9.77	0.06	13.93	134.69 Ha	

## Village wise Break-up of Forest land Proposed for diversion.

Sr. No	Village Name	Area (In Ha.)
1	Kulda	8.89
2	Bankibahal	5.14
3	Balinga	35.81
4	Tumulia	0
5	Siarmal	1.61
6 Lalma RF		83.24
	Total	134.69



# 2. Justification for locating in forest area

Gopalpur sector of Ib-valley coalfield forms the north western part of Ib River coalfield which is a greenfield area with huge mining potential. Detailed exploration was undertaken by CMPDI, a Public Sector Undertaking of Govt. of India, to assess the quarriable potentiality of coal seams with primary view of opening up of new mining projects to the extent possible. This sector has high potential for opencast mining operations including the proposed project namely Kulda Expansion Opencast Project.

The Ib River coalfield lies in between latitude 21°31′ to 22°14′ North and longitude 83°32′00″ to 84°10′00″ East and falls mainly in Sundergarh, Jharsuguda and Sambalpur districts of Odisha. Kulda geological block is located in the north-western part of Ib valley coalfield in Sundergarh district in the state of Orissa. It is situated between latitudes 22°01′02″ to 22°03′03″ North and longitudes 83°43′28″ to 83°45′35″

Kulda is a potential block having mineable reserves of about 266.49 million tonnes. Kulda Expansion OCP is a running project and has obtained all statutory clearances. Kulda OCP started it's mining operations in 2007-08. Coal extracted till 31.3.2020 is 86.70 Mt and OB removed till 31.3.2020 is 54.90 Mcum.

In earlier approved Mining Plan of Kulda Expn. OCP (Revision-1) (10 Mty to 15 Mty), mining operation was carried out in two phases. In Phase-I, surface boundary was restricted within notified lease area for which forest clearance has been obtained i.e. excluding Lalma Reserve Forest. In Phase-II, remaining part of the block was to be worked after obtaining forest clearance for this area. With the increase in demand, MCL now wants to expand the mine in Lalma forest area so as to enhance the production capacity to 18.75 Mty from this mine.

Stage-I forestry clearance was received for land required for a period of 20 years from MOEF in two stages for 50.72ha on 25.07.2001 and 177.17ha on 22.01.2002 respectively. Stage-II clearance was obtained on 08.08.2007 for 227.89 ha of land for 20 years of mine workings.

Coal demand from Ib-valley coalfield has increased many folds due to its strategic location with Howrah-Mumbai railway line passing through the coalfield. Coal of this coalfield is suitable for thermal power plants.

The location of the site for Coal Mine operation is fully depending upon nature's deposit of mineral & geological structure of the coal seams. Hence question of exploring alternative site for the purpose does not arise.

The Coal bearing Area of the Project with Reserves of about 266.49 M Te (Mineable reserves) partially falls under the above forest land. The Opencast method of Mining has been chosen due to geo mining conditions for extraction of coal to meet the heavy demand of coal.

Ol

The Mining Plan and method of working had been prepared by Central Mine Planning And Development Institute a Public Sector Undertaking of Govt. of India. As per the Mining Plan of

Kulda Expansion OCP, 134.69 Hectare of Forest Land is to be diverted for working of the mine. The Justification has been enclosed in **Annexure – VII** 

# 3. <u>MAPS</u>

The following maps duly authenticated by concerned authority are being submitted herewith:

Sr. No.	Particulars	Scale
1	Toposheet showing location of Kulda Expansion OCP	1:50000
2	Safety Zone area Plan	1:3960
3	Land Use Plan	1:3960
4	DGPS Survey plan of whole forest patches of Kulda Expansion OCP	1:10000
5	DGPS of forest patches of Co-ordinates (6 Nos)	1:3960
6	Milan Sheet of Kulda Village (1 Nos)	1:3960
7	Milan Sheet of Bankibahal Village ( 2 Nos)	1:3960
8	Milan Sheet of Balinga Village (1 Nos)	1:3960
9	Milan Sheet of Siarmal Village ( 2 Nos)	1:3960
10	Milan Sheet of Tumulia Village ( 1 Nos)	1:3960
11	Stage wise mining plan and phase wise reclamation plan ( 5 Nos)	Reduced

## 4. Forest Land

The proposed Kulda Open Cast Coal Mining Project includes the following categories of land duly authenticated by Tahsildar, Himgir and the details village wise land schedule of forest lands are as follows:



#	District Divis		Village/ Range/ Tehsil	Forest area Proposed for diversion (in		rest land ha)	Grand Total
			Clisti	ha.)	Govt. Land	Tenancy Land	
			Kulda/	8.89	26.86	46.90	82.65
1.			Gopalpur/				
			Hemgir				
			Bankibahal/	5.14	10.80	21.29	37.23
2.			Gopalpur/				
			Hemgir				
	SUI	SUI	Balinga/	35.81	8.59	1.15	45.55
3.	NDA	NDA	Gopalpur/				
	SUNDARGARH	SUNDARGARH	Hemgir				
4.	] kr	ARH	Tumulia/	0	16.42	28.93	45.35
4.			Gopalpur/				_
			Hemgir				
5			Siarmal/	1.61	0	0	1.61
			Gopalpur/				
			Hemgir				
6	7		Lalma RF/	83.24	0	0	83.24
			Gopalpur/				
			Hemgir				
	Total			134.69	62.67	98.27	295.63

The purpose-wise breakup of forest land and non-forest land for requirement of this project are as follows:

SI No	Purpose of Utilization	Forest Land (in Ha)	Non-Forest Land (in Ha)	Total area in Ha)
1	Mining	110.92	40.61	66.54
2	7.5m Safety Zone	9.78	17.56	31.56
3	Embankment	0.06	0	0.17
4	4 OB Dump		4.50	0.00
	Total		62.67	98.27
Forest	Forest Land proposed to be diverted			4



An undertaking is hereby being furnished that the Forest area involved in the proposal is unavoidable and barest minimum forest area has been proposed for diversion which is attached herewith in **Annexure - VIII** 

# 5. Flora & Fauna

As per the EIÀ/EMP report of existing Kulda Expansion OCP (16.8Mty), tree species which are commonly noticed in the proposed area are as follows:

#### 1. Flora

#### Terrestrial Flora

Table: List of Agricultural crops

Type	Local Name	Family name	Botanical Name
Vegetable	Amaranthus –	Amaranthaceae	Amaranthus hybridus L. – green
	Green		g.co.
	Onion	Amaryllidaceae	Allium cepa L.
	Garlic	Amaryllidaceae	Allium sativum L
	Tomato	Solanaceae	Lycopersicum esculentum L.
	Lemon	Rutaceae	Citrus limon (L.) Burm f
	Sponge guard	Cucurbitacae	Luffa cylindrical (Linn.) M. J. Roem
	Ash guard	Cucurbitaceae	Benicasa hispida (Thunb.) Cogn.
	Chilly	Solanaceae	Capsicum annum L.
	Mint	Lamiaceae	Mentha arvensis L.
	Bitter Gourd	Cucurbitaceae	Momordica charantia L.
	Radish	Brassicaceae	Rhapanus sativus L.
	Country Beans [Rita Bingham]	Leguminosae	Lablab purpureus (L.) Sweet
	Brinjal	Solanaceae	Solanum melongena L.
	Drumstick	Moringaceae	Moringa oleiferaLam
	Cucumber	Cucurbitaceae	Cucumis sativus L.
	Ginger	Zingiberaceae	Zingiber officinale Roscoe
	Bottle guard	Cucurbitaceae	Lagenaria siceraria (Molina) Standl



**Table: List of List of Commercial crops** 

Туре	Local Name	Family name	Botanical Name
Cereal/	Paddy	Poaceae	Oryza sativa L.
	Sugar cane	Poaceae	Saccharum officinarum L.
commercial	Mustard	Brassicaceae	Brassica juncea (L.) Czern.
crop	Sorghum	Poaceae	Sorghum bicolor (L.) Moench
	Banana	Musaceae	Musa paradisiaca L.
	Toor Dal	Leguminosae	Cajanus cajan(L.) Millsp.
	Maize	Poaceae	Zea maysL.

**Tabl: List of Natural Vegetation** 

Type	Common Name	Family name	Botanical Name
	Babul tree	Leguminosae	Acacia nilotica (L.) Delile
	Bael	Rutaceae	Aegle marmelos (L.) Corrêa
	Maharukh	Simaroubaceae	Ailanthus excelsa Roxb.
Trees	Sirish	Leguminosae	Albizia lebbeck (L.) Benth
	Sabtaparni	Apocynaceae	Alstonia scholaris (L.) R. Br
	Daura	Combretaceae	Anogeissus latifolia (Roxb. ex DC.) Wall. ex
*			Guillem. & Perr.
	Kat Hal, Jack	Moraceae	Artocarpus heterophyllus Lam.
	kanchanar	Leguminosae	Bauhinia purpurea L.
	Salia	Burseraceae	Boswellia serrata Roxb. ex Colebr.
	Polash	Leguminosae	Butea monosperma(Lam.) Taub.
	Euphorbia Nivulea	Euphorbiaceae	Euphorbia nivulea Buch-Ham
	Banyan	Moraceae	Ficus benghalensis L.
	Wild Fig	Moraceae	Ficus hispida L.f
	Udumbara, Fig	Moraceae	Ficus racemosa L.
	Peepal Tree	Moraceae	Ficus religiosa L.
	Kadam	Rubiaceae	Adina cordifoliaWilld ex Roxb. )Benth
			&Hook f ex Brandis
	Kumbhi	Lecythidaceae	Careya arborea Roxb.
	Avli, Tapasi	Ulmaceae	Holoptelia integrifoila(Roxb.) Planch
	Dhaura, sanah	Lythraceae	Lagerstroemia parviflora Roxb.
	Wood apple	Rutaceae	Limonia acidissima Groff
	Mahua	Sapotaceae	Madhuca indica J F Gmel
,	Aam, Mango	Anacardiaceae	Mangifera indica L.
	Drum stick	Moringaceae	Moringa oleifera Lam.
(g	Kadamba	Rubiaceae	Neolamarckia cadamba (Roxb.) Bosser
	yellow-flame	Leguminosae	Peltophorum pterocarpum (DC.) K.Heyne



1,	Wild Date	Arecaceae	Phoenix sylvestris(L.) Roxb.
_	Amla	Phyllanthaceae	Phyllanthus emblica L.
<u> </u>	False Ashoka	Annonaceae	Polyalthia longifolia (Sonn.) Thwaites
<u> </u>	Salmale, Silk	Bombacaceae	Salmalia malabarica(DC) Schott &Endl.
1	cotton	<b>505</b>	
9	Soapnut	Sapindaceae	Sapindus mukorossi Gaertn.
	Kusumu	Sapindaceae	Schleichera oleosa (Lour.) Merr.
	kassod tree,	Leguminosae	Senna siamea Irwin & Barnaby.
+	Sal	Dipterocarpaceae	Shorea robusta Gaertn. f
	Sihora, Sand paper tree	Moraceae	Streblus asper Lour.
	Nirmali	Loganiaceae	Strychnos potatorum L.f.
	Jamun	Myrtaceae	Syzygium cuminii(L.) Skeels
	Arjun	Combretaceae	Terminalia arjuna(Roxb.) Wt &Arn.
	Bahera	Combretaceae	Terminalia bellirica (Gaertn.) Roxb.
	Saj	Combretaceae	Terminalia tomentosa Wight & Arn.
	Pala Indigo Plant	Apocynaceae	Wrightia tinctoria R.Br.
	Wild Ber	Rhamnaceae	Ziziphus mauritianaLamk.
Shrubs	Vasaka	Acanthaceae	Adhatoda zeylanica Medik
-	Eupatorium	Asteraceae	Chromolaena odorata (L.) R.M.King
			H.Rob.
	Devils back bone	Euphorbiaceae	Pedilanthus tithymaloides (L.) Poit.
	Kali angedi	Acanthaceae	Peristrophe bicalyculata(Retz.) Nees
	Indian madder	Apocynaceae	Calotropis gigantea (L.) Dryand.
	Bala	Malvaceae	Sida acuta L.
	Dahi phool	Lytraceae	Woodfordia fruticosa (L.) Kurz
	Sharpunka	Leguminosae	Tephrosia purpurea(L.) Pers
Grasses	Khus Khus	Poaceae	Vetiveria zizanioides(L.) Nash
	Cogon grass	Poaceae	Imperata cylindrical(L.) Raeusch
	Durva	Poaceae	Cyanodon dactylon L.
	Tangle head	Poaceae	Hetropogon contortus(L.) Beauv ex Roe &Schult
	wild sugarcane	Poaceae	Saccharum spontaneum L.
			Themeda triandra Forssk
Climbers	Aradanda	Capparaceae	Capparis zeylanica L.
	Atundi	Combretaceae	Combretum decandrum Jacq.
		Dioscoreaceae	Dioscorea esculenta (Lour.) Burkill
	Kanta alu	Dioscoreaceae	Dioscorea pentaphylla L.
	Kali dhoodi	Apocynaceae	Ichnocarpus frutescens(L.) R.Br.
	Marda	Leguminosae	Endosamara racemosa (Roxb.) R.Geesink

	Sponge guard	Cucurbitaceae	Luffa cylindrica (L.) M.Roem.
	dheniani	Olacaceae.	Olax scandens Roxb.
	Climbing hemp vine	Asteraceae	Mikania scandens (L.) Willd.
	Karela	Cucurbitaceae	Momordica charantia L.
	Pitti	Rhamnaceae	Ventilago maderapatanaGaertn.
	Jackle jujube	Rhamnaceae	Ziziphus oenoplia(L.) Mill.
Herbs	Panwad	Leguminosae	Cassia tora L.
	Sahadevi	Asteraceae	Cyanthillium cinereum (L.) H.Rob.
	coatbuttons	Asteraceae	Tridax procumbens L.
	Orchid	Orchidaceae	Vanda tessellata (Roxb.) Hook. ex G.Don
	Common	Asteraceae	Xanthium strumarium L.
	Cocklebur,		

#### **Table: List of Shrubs and Climbers**

Common Name	Family Name	Botanical Name
Indian madder	Apocynaceae	Calotropis gigantean(L.) R.Br.
Dadmurdan,	Leguminosae	Senna alata (L.) Roxb.
Kali dudi	Apocynaceae	Ichnocarpus frutescens(L.)R.Br.
Pan bel	Convolvulaceae	Ipomoea obscura(L.) Ker Gawler
Bush morning glory	Convolvulaceae	Ipomoea carnea Jace
Wild sage	Lamiaceae	Lantana camera L.
Kanbojini	Phyllanthaceae	Phyllanthus reticulatus L.
Castor	Euphorbiaceae	Ricinus communis
Yellow oleander	Apocynaceae	Thevetia neriifolia Juss. ex Steud.
Nirgundi	Verbenaceae	Vitex negundo L.
Small-Fruited Jujube	Rhamnaceae	Zizyphus oenoplia(L.)Miller

# • Aquatic Flora

Aquatic flora was identified from the nearby small rivers and small ponds etc. The information for the same was collected from fishermen / villagers also.

# **Table: List of Aquatic Plants**



Common Name	Family name	Botanical Name
Arvi, Kachalu	Araceae	Colocasia esculenta(L.) Schott
Nali	Convolvulaceae	Ipomoea aquaticaForssk.
Four leaved clover	Marsiliaceae	Marsilea quadrifolia L.

Jala pippali	Verbenaceae	Phyla nodiflora(L.) Grene
Polygonum	1 01,901.00	Persicaria glabra (Willd.) M.Gómez
Narrowleaf cattail	Typhaceae	Typha angustifolia L.

There is no rare/endangered/unique species of flora and fauna found in the area.

#### 2. Fauna

## Terrestrial Fauna

**Table: List of Terrestrial Fauna:** 

# (a) Mammals

Zoological Name	Common Name	Status in wildlife (Protection)Act	ICUN RDB	
Mus booduga	Indian Field Mouse	Schedule-V, Section, 5	LC	
Herpestes edwardsi	Indian Grey Mongoose	Schedule-IV, Section, 6A	LC	
Funambulus palmarum	Indian Ground Squirrel	Schedule-IV	LC	
Macaca mullata	Bandar	Schedule-IV	LC	
Canis lupus	Wolf	Schedule-IV	LC	
Sus scrofa	Wild Pig	Schedule-IV	LC	
Lycaon pictus	Wild Dog	Schedule-IV	LC	
Funambulus palmarum	Indian Ground Squirrel	Schedule-IV	LC	
Hystrix indica	Indian Porcupine	Schedule-IV	LC	
Ateles fusciceps	Blacked Faced Monkey	Schedule-IV	LC	
Cebus capucinus	Small Brown Monkey	Schedule-IV	LC	
Felis chaus	Jungle Cat	Schedule-IV	LC	
Canis aureus	Jackal	Schedule-IV	LC	
hyena striata	Hyena Schedule-IV		LC	

# (b) Birds

Zoological Name	Common Name	Status in wildlife (Protection) Act	ICUN RDB
Bubulcus ibis	Cattle egret	Schedule-IV, Section,11	LC
Ardeola grayii	Indian pond heron	Schedule-IV, Section,11	LC
Milvus migrans	Black kite	Schedule-IV, Section,11	LC
Streptopelia chinensis	Spotted dove	Schedule-IV, Section,11	LC
Alcedo atthis	Small blue kingfisher	Schedule-IV, Section,11	LC
Halcyon smyrensis	White-breasted kingfisher	Schedule-IV, Section,11	LC

Columbia livia	Pigeon	Schedule-IV, Section,11	1.0
hasianus colchicus	Indian Ringfowl		LC
Galloperdix bicalcarata	Common Spur Fowl	Schedule-IV, Section,11	LC
Anas discors		Schedule-IV, Section,11	LC
	Blue Winged Teal	Schedule-IV, Section,11	LC
Nettapus coromandelianus	Cotton Teal	Schedule-IV, Section,11	LC
Eudynamys scolopacea	Indian Koel	Schedule-IV, Section,11	LC
Streptopelia capicola	Indian Ring Dove	Schedule-IV, Section,11	LC
Passer domesticus	Common Sparrow	Schedule-IV, Section,11	LC

# (c) Reptiles

Zoological Name	Common Name	Status in Wildlife (Protection) Act	ICUN RDB
Calotes versicolar	Garden lizard	IV	LC
Naja tripudians	Common cobra	IV	LC
Natrix piscator	Water snake	IV	LC
Zamenis mucosus	Rat snake	II	LC
XEnochrophis piscator	Dhanda	II	LC

# (d) Amphibians

Zoological Name	Common Name	Status in Wildlife (Protection) Act	ICUN RDB
Bufo melanostictus	Common toad	IV	LC
Euphlyctis hexadactyla	Common frog	IV	LC
Rana hexadactyla	Green pond frog	IV	LC
Rana tigrina	Indian bull frog	IV	LC

# (e) Insects

Zoological name	Common name	Nos. of species	Status in Wildlife
		observed	(Protection) Act
Rhopalocera	Butterfly	12	Schedule - IV, Section,18
Anisoptera	Dragonfly	10	Schedule-IV, Section,18



## Aquatic Fauna

**Table: List of Aquatic Fauna:** 

Fishes:

Zoological Name	Common Name	Status in Wildlife (Protection) Act
Cirrhinay mrigala	Mirikali	Schedule - IV
Catla catla	Bhakur	Schedule - IV
Ophiocephalus marulius	Sala	Schedule - IV
Ophiocephalus steiatus	Seul	Schedule - IV
wallagoattu	Balia	Schedule - IV
Labeo rohita	Rohu	Schedule - IV
Hilsa ilisha	ilish	Schedule - IV

During survey, it is observed that endangered, endemic and migratory species are not present in the study area. Also, migratory corridors, flight paths and spawning grounds are not present in the study area.

#### 6. Wildlife Management Plan

The proposed forest area for diversion is not falling within any eco-sensitive zone, national park or sanctuary in Sundargarh Forest Division. However, Wildlife Management Plan is to be prepared and submitted. An undertaking to this effect is being submitted herewith as **Annexure** - **XVIII** 

#### 7. Tree Enumeration

Trees are yet to be enumerated both in forest and non-forest land involved in the project which may required to be felled. The species wise and girth class-wise abstract of tree enumeration both in the forest and non-forest areas shall be submitted after enumeration.

#### 8. Cost Benefit Analysis

The Cost Benefit Analysis for the proposed project duly authenticated by the competent authority is being submitted herewith as **Annexure - X** 

#### 9. Rehabilitation and Resettlement

As per the authenticated land schedule, the land belonging to village Kulda, Bankibahal, baling, Tumulia, Siarmal, & lalma RF of Hemgir Tahasil, District-Sundargarh, Odisha are involved

in Kulda Expansion OCP. The Kulda Open Cast Project includes the Mining Area, Safety zone, embankment, & OB Dump area.

Total 295.63 Ha (730.50 acres) of land is involved in Kulda Expansion Project (Ph.II). Out of which 98.27 Ha is Tenancy land, 62.67 Ha is Govt. Non-Forest land, 51.45 Ha is Revenue forest land and 83.24 Ha is Reserve Forest Land. The mining area is 218.07 Ha only. Safety Zone area is 58.89 Ha. The rest area will be for embankment and external OB dump.

Out of **98.27 Ha** of tenancy land involved in this project, 46.9 Ha (115.89 acres) belongs to village Kulda, 21.29 Ha (52.61 acres) belongs to village Bankibahal, 1.15 Ha (2.84 acres) belongs to village Balinga, 28.93 Ha (71.49 acre) belongs to village Tumulia. The lands of all above villages have been acquired under CBA (A&D) Act, 1957 vide Notification u/s 9(1) of the said Act vide SO No. 3055 dated 29.10.1990. The above land has been vested in MCL u/s 11(1) of the said Act vide SO No. 43015 dated 30.03.1993.

The payment of Compensation and R&R benefits for the village Kulda, Bankibahal, Balinga, and Tumulia including other 10 villages have been under taken by the Claims Commission, set up by the Hon'ble Supreme Court of India in SLP© 6933 of 2007. The compensation for land and structures for village Kulda, Bankibahal, Balinga has been disbursed to the beneficiaries. And for village Tumulia, approval of Hon'ble Supreme Court is awaited to provide the land compensation as well as R&R benefits. The Approved R&R Plan duly authenticated is enclosed in the diversion proposal as **Annexure - XVI** 

## 10. Rehabilitation and Resettlement

The rehabilitation and resettlement of project affected persons is decided based on the survey of Hon'ble claim commission appointed by the Honorable Supreme court of India to future facilitate the solution of the complaints and grievance, if any of the person employed and general public a samadhan Kendra has been established by an order of the competent authority This facilitates the faster resolution of complaints as they are directed to the respective department for speedy resolution the details of the grievance addressable system.

#### 11. Forest Right Act, 2006

The District Collector, Sundargarh vide Letter No. 5418/VIII-08/2021 dtd. 21.06.2021 has issued the FRA certificate for 134.69 ha which is enclosed herewith as Annexure - XI.

#### 12. Net Present Value

The proposed forest land for diversion 134.69 ha. However; an undertaking has been furnished herewith to pay NPV and additional NPV if so determined as per the decision of the Hon'ble Supreme Court of the proposed forest land to be diverted and is enclosed herewith in the diversion proposal, in Annexure - IX.

OF

The Compensatory Afforestation scheme shall be prepared and submitted by DFO, Sundargarh, after due approval at the current wage rate by the RCCF, Rourkela,

The financial outlay duly approved by competent authority along with CA Scheme shall be submitted after the allotment of CA land. The user agency has furnished an undertaking to bear the cost of CA as per prevailing wage rate at the time of plantation attached in **Annexure - XII** 

As per guideline of MoEF & CC, Gol, issued vide No. 11-423/2011- FC dated 08.11.2017 at least 1000 seedlings should be planted per ha of forest area to be diverted. The suitability Certificate, non-encumbrance and non-enchroachment Certificate for the area selected for Compansatory Afforestation shall be furnished by the Divisional Forest Officer.

## 13. Environmental Clearance

The user agency is yet to apply online for obtaining Environmental Clearance from MoEF&CC for the project Kulda Expansion OCP of MCL, The user agency will submit the same after Stage-I forest clearance. The user agency has submitted an undertaking as **Annexure - IV.** 

# 14. Consent Order by SPCB (State Pollution Control Board)

The consent order of the State Pollution Control Board was issued vide no.5284/IND-I-CON-5125, dated 26.03.2021 which is valid for the period up to 31.03.2022.

## 15. DGPS Map

In Compliance, the User Agency have submitted the DGPS survey map of the forest land proposed for diversion by ORSAC and duly authenticated. The details of enclosed DGPS maps are as given below.

S.No	Particulars	Scale	Reference
1	Index Map showing DGPS surveyed coordinates diverted for Kulda Expansion OCP of Basundhara Area, Mahanadi Coalfields Limited.	1:10000	Odisha Space Applications centre, Bhubaneswar, Map NoFDC-676, date- 24.09.2020
2	DGPS Survey map of proposed forest diversion area/Village wise	1:3960	Map No. FDC-676/1 Map No. FDC-676/2 Map No. FDC-676/3 Map No. FDC-676/4 Map No. FDC-676/5 Map No. FDC-676/6

#### 16. Violation

There is no violation in respect of the forest land, involved in the instant diversion proposal, under FC Act, 1980. Further, an undertaking to this effect is being submitted herewith as **Annexure – XIX**.

## 17. Mining Plan

Mining Plan for Kulda Expansion OCP of MCL 18.75 MTY has been approved by the Ministry of Coal, Vide GoI letter No. MCL/SBP/CS/CR-19/2020-21/10992 dated 10.06.2020 which has been enclosed in the diversion proposal. Further, Phased Reclamation plan of the project area along with map as submitted by User Agency duly authenticated is enclosed in the DP. The Mining Plan has been submitted in **Annexure - XIV** 

## 19. Recommendation

In view of the above, the proposal for diversion of 134.69ha forest land against Kulda Expansion OCP (Ph-II) rated capacity 18.75 MTY, Mahanadi Coalfields Ltd. Basundhara Area, Sundargarh, is being sent herewith in six copies for kind consideration for necessary approval under section-2(ii) of Forest (Conservation)Act,1980 in its own merit.

Encl: Diversion Proposal along with its annexures.

Yours faithfully,

General Manager

Mahanadi Coalfields Limited

Q.

# Copy To:

- General Manager (E&F), MCL, HQ For kind information.
- Project Officer, Kulda OCP For kind information.
- SO (E&F), Basundhara Area
- O/c