

### भारत सरकार GOVERNMENT OF INDIA पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE

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Dated: 2nd June, 2018

FC-Ministry-04/RON/2018-NGP 3775

To

Sh. Sandeep Sharma,
Assistant Inspector General of Forests (FC),
Forest Conservation Division,
Ministry of Environment Forests and Climate Change,
4th Floor, Agni Wing, Indira Paryavaran Bhawan,
Jorbagh, Alignaj, New Delhi.

Sub: Site Inspection Report by the Regional Office (WCZ) Nagpur in respect of Parsa Coal Block, open cast east coal mining project involving forest land of 841.538 ha in Surguja District in the State of Chhattisgarh.

Sir.

I am directed to refer to the State Government of Chhattisgarh's letter no. F-5-17/2018/10-2 dated 2.05.2018 on the above subject seeking prior approval of the Central Government under the Forest (Conservation) Act, 1980 and to say the site inspection of the area proposed for diversion was carried out by the Regional Office on 13.05.2018. An inspection report containing the observation of the undersigned and comments and recommendation of the Addl. PCCF (Central) is enclosed herewith for further necessary action in the matter.

Encl: As above.

Yours faithfully,

(Charan Jeet Singh) Scientist 'C'

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# COMMENTS AND RECOMMENDATIONS OF THE ADDITIONAL PRINCIPAL CHIEF CONSERVATOR OF FORESTS (CENTRAL), REGIONAL OFFICE NAGPUR

The detailed observations on the proposal have already been made in the inspection report. From the observations recorded in the inspection report, it can be ascertained that area is rich in vegetation, particularly sal species and movement of wildlife has also been reported. Three coal block i.e. PEKB, Parsa Coal Block and KECB are contiguous in the area and currently, mining operation are undertaken in the PEKB. The Parsa Coal Block is contiguous to Parsa East and Kete Basen Coal Block (PEKB) and Tara Block. All three coal blocks of the allotted to the User Agency are located in outer fringe areas of Hasdeo Arand Coalfields. The User Agency has proposed captive open cast coal mining in Parsa coal Block to meet the demand of coal for their Super Critical Thermal Power Plant located in Rajasthan. Had it been on a standalone case of mining, given the density of forest, it would not deserve consideration for approval under the Forest (Conservation) Act, 1980. However, as the proposed area is one of the 3 coal blocks, out of which mining is already going on in coal block contiguous to this area, the proposal may be considered.

- i. A site specific study to assess the biodiversity in terms of floral and faunal should be conducted by an institutes of repute such Indian Council of Forestry Research and Education and based on the recommendation to be made in the study, provisions of the Wildlife Management Plan, prepared by the State Government, if required, should be modified or amended in consonance with the findings of the biodiversity assessment study.
- ii. The State Government shall assess the extent of forest land for the purpose of forest connectivity and the use by wildlife and elephants in particular by undertaking scientific study for direct and indirect signs related to occupancy/habitat utilization and based on the outcomes of such study, areas, if any, falling in the elephant corridor should be delineated from mining.
- iii. Diversion of nallah located in the lease area of the User Agency shall be undertaken in consultation with the Chhattisgarh Water Resource Department to ensure that natural drainage and water regime do not get disturbed.
- iv. The user agency will make provision for appropriate financial outlay for the establishment of Rescue and Rehabilitation team to mitigate human-wildlife conflicts in the area.
- v. Given the fact that total area involved in the 3 coal blocks allotted to the User Agency is 5,726.32 ha in the catchment area of Hasdeo river- a tributary of Mahanadi river, a catchment area treatment plan in the immediate catchment of Atom river should be implemented at the cost of User Agency to arrest silt and augment in-filtration of runoff water to improve the perennial water regime in the region.

vi. The User Agency shall make all possible efforts to transplant sound trees falling in the girth category of 60 cm or below in the area proposed for division. The trees should be transplanted in blank areas or non-mineralized area or in the degraded forest land in consultation with the State Forest Department.

(Kanwarjit Singh)

SITE INSPECTION REPORT BY THE REGIONAL OFFICE (WCZ) NAGPUR IN RESPECT OF PARSA COAL BLOCK, OPEN CAST EAST COAL MINING PRJECT INVOLVING FOREST LAND OF 841.538 HA IN SURGUJA DISTRICT IN THE STATE OF CHHATTISGARH.

Name of the Inspecting Officer - Charan Jeet Singh, Scientist 'C', Regional Officer (WCZ), Nagpur

Site inspection of the above mentioned proposal was carried out on 13.05.2018 with the officials of the User Agency. Representative of the State Forest Department were not present during the inspection. The DCF concerned has expressed her inability telephonically to join during the inspection to attend other wildlife matter. However, during and after the inspection discussions were held with the Divisional Forest Officer, Sarguja over telephone. Detailed report in the matter is given as under:

#### 1. Legal status of the forest land proposed for diversion.

Legal status of the land proposed for diversion is Reserved Forests, Protected Forest land and Revenue Forests land. The total area of the mining lease is 1252.447 ha comprising of 841.538 ha of forest land and 410.909 ha of non-forest land as per detail given below:

S. No.	Name of	Area invol	ved and leg (Ha		rest land	Revenue	/Private la	ind (Ha)	Grand Total
	Division	Protected Forests	Reserved Forests	Revenue Forests	Total	Revenue Land	Private Land	Total	(Ha)
1.	Surguja	370.455	0.0	243.764	614.219	40.005	250.518	290.523	904.742
2.	Surajpur	48.318	137.231	41.77	227.319	5.538	114.848	120.386	347.705
	Total	418.773	137.231	285.534	841.538	45.543	365.366	410.909	1252.447

### 2. Item-wise break-up details of the forest land proposed for diversion.

Purpose wise breakup of the forest land is given as under:

S. No.	Particulars of project components	Forest land (Ha)	Non-Forest Land	Total
1.	Mining Quarry area	804.362	318.94	1123.302
2.	Safety Zone	6.073	0.0	6.073
3.	External Dump	10.174	53.910	64.084
4.	Road	0.090	2.280	2.370
5.	Nallah Diversion	9.213	5.588	14.801
6.	CHP Belt/Coal Washery	3.716	9.870	13.586
7.	Infrastructure (Sub-Station/Electricity Line)	5.043	8.185	13.228
8.	Settling Pond	0.010	2.250	2.260
9.	Top Soil Storage area	1.798	0.802	2.600
10.	Rationalization area	1,059	9.084	10.143
	Total	841.538	410.909	1252.447

From the examination of the components wise break up of forest land, following was observed during the inspection:

(i). It was observed that the PP has proposed a coal washery in their lease area. It is also worth mentioning here that the User Agency has already set up a coal washery of 10MT capacity for their Parsa East and Kete Basan (PEKB) Coal Block. Proposal for the enhancement of capacity 10 MTPA to 15 MTPA is currently under consideration of the MoEF&CC, New Delhi from. On being asked regarding exploring the possibility of the utilizing the existing washery, the representatives of the User Agency have informed that currently, the PEKB

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mine is operating at an annual capacity of 10 MTPA and after obtaining the environment clearance to enhance the production capacity of the mine from 10 MTPA to 15 MTPA, existing coal wahsery will become fully saturated and may not be utilized for the coal to mined out from Parsa Coal Block. The User Agency has further informed that using the existing coal washery will results into additional transportation over a distance of approximately 5.0 km to transport coal from the pit head of Parsa Coal block to coal washery of PEKB coal block resulting into environment pollution and additional infrastructure.

- (ii). The rationalization area or non-mineralization area has been included in the proposal to accommodate for the unforeseen infrastructure which may be required in future on account of construction of roads, dumps, green belt development, etc.
- (iii). Settling pond has been proposed to arrest the silt from flowing into the natural resources.
- (iv). A local perennial nallah (Shali nallah) observed to be flowing in the lease area of the User Agency. The said local Nallah originates from the contiguous PEKB Coal Block and traverse through the north eastern part of the Parsa Coal Block. Shali Nallah meets with another local nallah which originated from the Parsa Coal Block near to the north eastern boundary of the coal block. The Shali nallah ultimately falls into the Atom River, after taking a course of approximately 3 kms outside the coal block. The nearest distance of Atom river from the boundary of the Parsa Coal Block is approximately, 2.0 km. The PP has proposed diversion of Shali nala along the boundary of the eastern and Northern Boundary of the Parsa Coal Block. The PP has informed that a study on the feasibility of diverting the Shali nallah has been undertaken by the Water Resource Department. However, finding of the study could not be made available by the User Agency during the inspection. A plan showing the proposed diversion of nallah is enclosed at Annexure-I.

# 3. Whether proposal involves any construction of buildings (including residential) or not. If yes, details thereof.

No administrative or residential buildings have been proposed to be constructed in the forest area being sought for diversion. However, infrastructure such construction of CHP belt, coal washery, sub-station have been proposed to be constructed in the area.

#### 4. Total cost of the project at present rates

Rs. 1,960 crores.

#### 5. Wildlife

### Whether forest area proposed for diversion is important from wildlife point of view or not.

With respect to the faunal diversion, species like elephant, sloth bear, hyena, leopard, jackal and wild boar have been reported in the region by the State Forest Department based on the data maintained by them on hand stray movement of the elephants in the area. The DCF has also mentioned that area proposed for diversion does not form the part of any Elephant Corridor. It was also informed recently stray movements of elephants were noticed in the Ghatbarra area which is near to the mining lease boundary of the User Agency. It was informed during the inspection that stray movements of the elephants are not frequent in the area. Further, discussion held with the DFO revealed stray movements of an elephant was noticed in the area during January to February in the area from Korba forests.

The User Agency has informed that a biodiversity assessment Study has been assigned to the ICFRE, Dehradun. Proposal for undertaking the said study is yet to be received from the ICFRE.

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The User Agency has further informed that Biodiversity Assessment Study will be completed in two years.

As per the discussion held with the Divisional Forest Officer, during earlier visit to the site on 13.09.2017, it was gathered that there are no notified corridors of the elephants in the State. However, movements of elephants in Chhattisgarh occur form Jharkhand and Odisha regularly along their existing corridors. The DFO, Surguja informed that elephants migrate to Chhattisgarh from Jharkhand and Odisha and the movements mainly occurs in Surguja, Korba, Jashpur, Raigarh and Korea Districts. It was also informed that no mapping of the corridors of the elephant's movements has been done so far. It was further elaborated during the discussion with the officials/staff of the Forest Department that based on the reporting of elephants movements in the area, following three tentative migratory routes are undertaken by the elephants:

#### Route-I

Elephants enter the State of Chhattisgarh from Jharkhand in the North in Jashpur District, pass through the forest areas and reaches to Tamor Pingla and Samersot Wildlife Sanctuary in Balrampur and Surajpur District, respectively. From these two sanctuaries stray movement of elephants occurs in nearby forest area like Mainpat.

#### Route-II

Elephants enter Chhattisgarh from Odisha in the east in Raigarh District take route through the forests of Dharamjaigarh and reaches to Korba. The dense forests of Lemru in Korba serve as temporary habitat of elephants. During the course of their temporary stay the elephants make stray movements to the nearby forest areas.

#### Route-III

Elephants enter Chhattisgarh from Odisha in the east in Raigarh District, traverse through the forests of Dharamjaigarh, Pathalgaon/Jaspur, Sitapur, Lakhanpur/Sarguja and then reaches to Tamor Pingla WLS in Surajpur Distrct.

It was further revealed during discussion that area in question does not form the migratory route/corridor of any wild animals particularly, elephant. The officials/staff of the Forest Department further adverting to the record pertaining to the human-wildlife conflicts revealed that during the last period of 4 years and current year, intensity of human-wildlife conflicts, in respect of leopard has been reported high in Forest Ranges of Lundra, Sitapur, Ambikapur, and Udaipur. A list containing detail of human-wildlife conflicts is enclosed as **Annexure-II**.

It was further informed that during the course of their movements along the above corridors, stray movements of elephants occurs to the nearby forest areas and during such movements, human-wildlife conflicts occurs. It was further reported that no regular movements of elephants has been reported in the Parsa Coal Block, PEKB and Kete Coal Block. The nearest stray movement of the elephants was recorded in Patkura village and Ghatbarra area which are located a distance of approximately 20 Km and 4 km, respectively from the mine of the User Agency.

Further, Conservator of Forests (Wildlife) & Field Director (Elephant Reserve) Surguja Forest Circle Ambikapur vide his letter no. 1651 dated 24.08.2016 has *inter-alia* informed that area proposed for diversion does not form the part of notified elephant corridor. However, currently, there are movements of elephants in the Forest Divisions and accordingly consent is accorded subject to following:

(i). The necessary measures like construction of natural trail, corridor management and arrangement of elephant's lights in the fields and houses in the nearby villages shall be

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undertaken in the proposed corridor in consultation with the concerned Divisional Forest Officer at the cost of User Agency

### 6. Vegetation:-

Forest type of the area includes Moist peninsular Low Level Sal Forest, Southern Moist Mixed Deciduous Forest and Dry peninsular Sal Forest. During the inspection, it was observed that vegetation density of the forest area cover varies from 0.4 to 0.7. Though the DCF concerned in Part-II have reported density as 0.5 and CCF, Ambikapur in his inspection report has report has reported vegetation density as 0.5 to 0.6 yet few patches, especially in Surajpur Forest Divison were observed with relatively higher density up to 0.7. Major vegetation composition of the area is *Shorea robusta*, *Terminalia tomentosa*, *Pterocarpus marsupium*, *Adina cordifolia*, *Anogeissus latifolia*, *Bauhinia spp.*, *Ficus*, *spp.*, *Dalbergia lattifolia*, *Holoptelia interifolia*, *Gmelina arborea*, *Hardwickia binnata*, *Lagestromia parviflora*, *Tectona grantis*, *Terminalia spp.* and other miscellaneous species.

i. Details of total number of trees to be felled is given as under:

Above 60 cm girth - 65,416

Below 60 cm girth - 30,042

Total - 95,458

## ii. Effect of removal of trees on the general ecosystem in the area.

The area proposed for diversion has and mixed forests with miscellaneous species including sal with fairly good vegetation density. Felling of large number of trees i.e. 95,458 will definitely have adverse impact on the ecosystem. However, the representative of the User Agency during the inspection informed that all project affected trees will not be felled simultaneously. Felling will be undertaken in a phased manner. The User Agency has informed that approximately 871 trees falling in non-mineralized area will be kept intact and will not be felled. The User agency has further informed that efforts will also be made to transplant the trees falling in the girth category of below 60 cm. It was informed that nearly 13,783 trees of below 60 cm girth category will be transplanted during the mining operations.

### 7. Background note on the proposal.

The User Agency has three coal blocks allotted in its favour in Hasdeo-Arand Coal field as per detail given below:

S. No.	Name of Coal Block	Forest Area (Ha)	Non-forest land (Ha)	Total Area (H)
1.	Parsa	841.538	410.909	1252,447
2.	Parsa East and Kete Basan	1898.328	812.706	2711.034
3.	Kete Extension	1745.883	16.956	1762.839
	Total	4485.749	1240.571	5726.32

The Parsa coal block is located in the north central part of the Hasdo-Arand Coalfield in Udaipur and Premnagar Tehsil, Surguja and Surajpur Districts of Chhattisgarh State. Hasdo-Arand coalfield is one of the major coalfields of the central India located in the upper reaches of Mahanadi Valley Master Gondwana Basin. It is spread over an area of approximately 1200 sq km. Major part of the coalfield is still virgin with huge resources of power grade coal. There are 18 coal blocks in Hasdo-Arand Coal fields. Out of the 18 coal blocks, currently, mining operations are being carried out in 2 coal blocks namely Parsa East and Kete Basan and Chotia coal blocks while proposals in respect of other 4 coal blocks are under consideration in the State/Central Government level. Detail

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of coal blocks situated in the Hasdeo-Arand Coal field and status of grant of forest clearance thereof is enclosed at **Annexure-III**.

The Parsa Coal Block was earlier allotted to M/s Chhattisgarh State Power Generation Company Limited (CSPGCL) and Mining Plan and Mine Closure Plan (5 MTPA) was approved by Ministry of Coal Vide Letter No.-13016/90/2006-CA-I (Part) on 19th May, 2014. However, Hon'ble Supreme Court vide its order dated 24th September 2014 de-allocated coal blocks including Parsa Coal Block. Subsequently, in accordance with the provisions of the Coal Mines (Special Provisions) Ordinance, 2014, the Ministry of Coal, GOI vide its letters dated 18th December 2014 and 18th February 2015 earmarked coal blocks for allotment and invited applications from the Government Companies. The User Agency applied to Nominated Authority of Ministry of Coal, GOI for allotment of Parsa Coal Block for captive use in its thermal Plants located in the State of Rajasthan. Subsequently, Ministry of Coal, Government of India on 24.03.2015 allotted Parsa Coal Block to the User Agency in accordance to Coal Mines (Special Provisions) Act, 2015 & Coal Mines (Special Provision) Rules, 2014 and executed the allotment agreement.

The Parsa coal block is contiguous to Parsa East and Kete Basan (PEKB) and Tara coal blocks. Parsa Coal Block is located in six villages, namely Salhi, Hariharpur, Ghatbara, Fatepur under Udayapur Tahasil of Surguja district and Janardanpur, village of Premnagar Tahasil of Surajpur district. The block is rectangular in shape and extends about 3.10 km along the strike direction (NW-SE) and about 4.3 km along the dip direction (SW).

Total geological reserves estimated for stands at 256.40 MT while mineable reserves estimated by opencast mining stands at 200.41 MT. Mining plan was approved for production capacity of 5 MTPA.

### 8. Compensatory afforestation:-

Compensatory afforestation has been proposed over Revenue Forest land, double in extent to the forest land being diverted, in Korea District in the State of Chhattisgarh.

 Whether land for compensatory afforestation is suitable from plantation and management point of view or not.

The DCF, Korea Forest Division has certified that the land identified for raising CA is free from encroachment and encumbrances and is suitable from management view point. CA sites could not be verified as the land for CA has been identified in 16 patches sites and the CA sites were located in Korea District located at far away from the area proposed for diversion.

ii. Whether land for compensatory afforestation is free from encroachments/ other encumbrances.

The DCF, Korea Forest Division has certified that the land identified for raising CA is free from encroachment and encumbrances and is suitable from management view point. CA sites could not be verified as the land for CA has been identified in 16 patches sites and the CA sites were located in Korea District located at far away from the area proposed for diversion.

iii. Whether land for compensatory afforestation is important from Religious/ Archaeological point of view.

No information has been provided in the proposal. However, representative from the User Agency have informed that CA land is not important from the religious/archaeological view point.

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iv. Land identified for raising compensatory afforestation is in how many patches, whether patches are compact or not.

Revenue Forest land in 16 sites has been identified in Korea District as per detail given below:

S. No.	Name of the Village	District	Total Area (Ha)	Area proposed for CA (Ha)
1.	Pendri	Korea	97.53	78.59
2.	Bodemuda	Korea	111.86	108.67
3.	Bade Kalua	Korea	112.82	111.27
4.	Gidmudi	Korea	33.44	33.44
5.	Chhote Salhi	Korea	52.70	48.98
6.	Bade Salhi	Korea	273.37	266.27
7.	Thaggaon	Korea	246.8	201.40
8.	Khargawan	Korea	21.09	20.00
9.	Salka	Korea	29.83	23.30
10.	Bari	Korea	226.27	226.26
11.	Mugum	Korea	259.85	258.72
12.	Bharda	Korea	25.02	20.47
13.	Chopan	Korea	30.99	30.98
14.	Manjhouli	Korea	45.21	41.21
15.	Dhanpur	Korea	123.83	118.14
16.	Jilda	Korea	102.33	96.95
***************************************	Tota	i	1792.94	1684.65

### v. Map with details

Differential GPS maps of all the sites have been submitted by the User Agency along with the proposal.

### vi. Total financial outlay

CA scheme involving financial provisions of Rs. 1,01,11,69,995/- has been prepared providing provisions of maintenance for a period of 10 years.

Whether proposal involves violation of Forest (Conservation) Act, 1980 or not. If yes, a
detailed report on violation including action taken against the concerned officials.

No violation of the Forest (Conservation) Act, 1980 were observed during the inspection. The DCF concerned in Part-II have reported no violation of the Forest (Conservation) Act, 1980. A certificate to this effect has also been submitted by the DCFs concerned.

10. Whether proposal involves rehabilitation of displaced persons. If yes, whether rehabilitation plan has been prepared by the State Government or not. Details be furnished specifically if rehabilitation plan would affect any other forest area by trans-locating outstees in and around the said forest.

Yes. Proposal involves displacement of 411 families of Janardanpur village, comprising of 3 SC families, 366 ST families and 43 general families. R&R Plan for the displacement of the project affected families has been prepared and the same has been submitted along with the proposal. It was further informed that R&R has been prepared in consonance with the State Government of Chhattisgarh's R&R Policy.

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#### 11. Reclamation Plan:

Yes. The reclamation of the mine will be undertaken by the PP in accordance with the approved progressive Mine Closure Plan.

i. Details and financial allocation.

### 12. Details on catchment and command area under the project. - NA

However, given the fact that total area involved in the 3 coal blocks allotted to the User Agency is 5,726.32 ha in the catchment area of Hasdeo river- a tributary of Mahanadi river, a catchment area treatment plan in the immediate catchment of Atom river should be implemented at the cost of User Agency to arrest silt and augment in-filtration of runoff water to improve the perennial water regime in the region.

#### 13. Cost benefit ratio.

Total Cost

- Rs. 2,042.50 lakhs

**Total Benefits** 

- Rs. 21,063,34 lakhs

BC Ratio - 1:10.31

## 14. Recommendations of the Principal Conservator of Forests/State Government.

The Principal Chief Conservator of Forest, Government of Chhattisgarh has recommended the proposal with following conditions:

- The labouers working in the mine shall be provided with piped gas supply to avoid pressure on the surrounding forests.
- The User Agency shall ensure that construction of residential accommodation for workers will be undertaken separately on non-forest land to avoid pressure on forest land for temporary construction; and
- iii. Safety zone shall be fenced with recoiled barbered wire fencing of 6 feet high for the protection of forests

## 15. Recommendations of Regional Chief Conservator of Forests along with detail reasons.

Recommendations of the Addl. PCCF (Central) have been appended separately.

 Addl. Principal Chief Conservator of Forests (Central) shall give detailed comments on whether there are any alternatives routes/alignments for locating the project on the nonforest land.

Comments of the Addl. PCCF (Central) have been amended separately.

17. Utility of the project. Numbers of Scheduled Castes/Scheduled Tribes to be benefited by the project.

The Parsa Coal Block has been proposed to be used for captive use for supplying coal to the Chhabra Thermal Power Plant, Kalisindh TPP and Suratgarh Supercritical TPP of the User Agency located in the State of Rajasthan. As per the detail provided in the proposal, the project will also provide employment opportunities to 768 persons. It was also informed that project will also boost social and economic development in the region.

18. Whether land being diverted has any socio-cultural /religious value. Whether any sacred grove or very old grown trees/forests exists in the areas proposed for diversion.

No sacred groves or very old trees have been reported in the area. A certificate from the District Collector Surguja and Surajpur dated 27.02.2017 and 10.02.2017, respectively stating that there is

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no historical place within the periphery of 10 km from the boundary of the area proposed for diversion has also been submitted along with proposal. However, CCF in his site inspection report dated 6.04.2018 has mentioned that land has its own socio-cultural religious value. However, no elaborative detail of socio-cultural religious value has been provided in his inspection report. Further, the DCF, Surguja in her inspection report mentioned that a site of archaeological importance name Ramgarh Paryatan area containing sacred caves (*Sitagufa*) is located at a distance of approximately 17.0 Km from the area proposed for diversion.

### 19. Situation w.r.t. any P.A.

(i). The proposal does not form the part of any PAs or notified eco-sensitive zone. Nearest PAs areas are Samarsot Wildlife Sanctuary, Tamorpingla Sanctuary and Badalkhol Sanctuary which and they are situated at an approximate distance of 150 Km, 80 Km, and 156 Km, respectively from the area under question. Further, a Wildlife Management Plan, involving financial provisions of Rs. 1216.00 Lakh prepared by Sh. Ashok Masih, Retd., Addl. PCCF has been approved by the PCCF (Wildlife) vide his letter no. 4133 dated 8.06.2017, has been submitted along with the proposal. As per the provisions provided in the Wildlife Management Plan, forest ranges of Udaipur (Surajpur Forest Division) and Lakhanpur and Ramnujnagar Forest Ranges of Surguja Forest Divisions have identified for the implementation of various mitigative measures suggested in the Wildlife Life Management Plan.

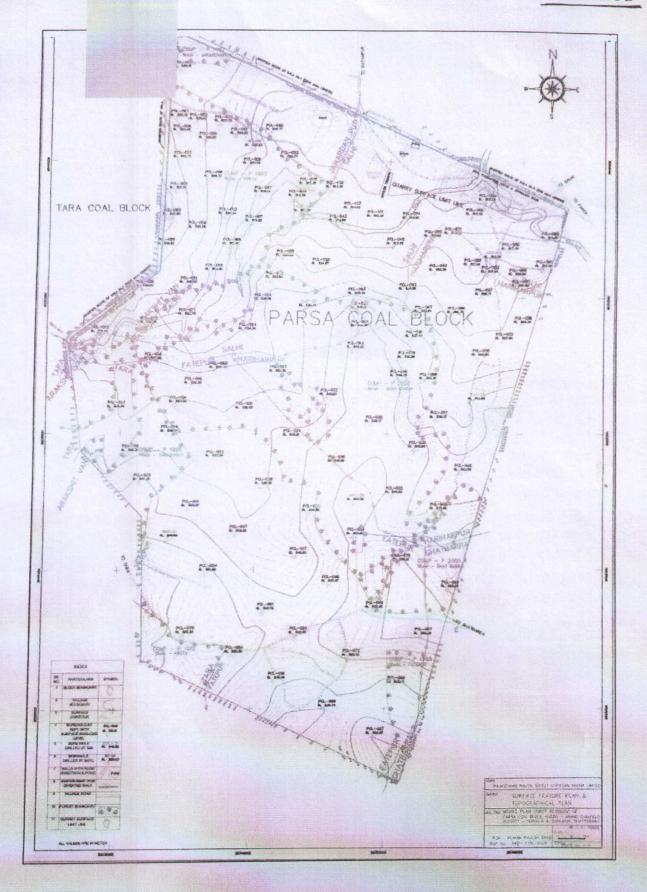
### 20. Any other information relating to the project.

- (ii). Complete compliance of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been submitted by the User Agency along with the proposal. The District Collectors of Surguja and Surajpur have issued certificates dated 13.02.2018 and 27.03.2017 for an area of 614.2019 ha and 227.319 ha, respectively certifying all clauses stipulated in Form-II annexed to the MoEF&CC's advisory dated 5.07.2013.
- (iii). The Rajyasthan Rajya Vidyut Nigam Limited (RVUNL) has been allotted three coal blocks in the area by the Ministry of Coal. Currently, mining is undertaken in Parsa East and Kete Basen Coal Block. The Parsa Coal Block has been allocated by the Ministry of Coal vide its order no. 103/24/2015/NA dated 8.09.2015 (Annexure-IV). The two coal block viz. KECB and Parsa Coal Block have been allotted by the Ministry of Coal to the RVUNL vide its letter dated 31.03.2015 and 8.09.2015, respectively. All three coal blocks have been allotted for captive use of the coal. Three coal block i.e. PEKB, Parsa Coal Block and KECB are contiguous in the area and currently, mining operation are undertaken in the PEKB. The Parsa Coal Block is contiguous to Parsa East and Kete Basen Coal Block (PEKB) and Tara Block. All three coal blocks of the allotted to the User Agency are located in outer fringe areas of Hasdeo Arand Coalfields. The User Agency has proposed captive open cast coal mining in Parsa coal Block to meet the demand of coal for their Super Critical Thermal Power Plant located in Rajasthan.
- (iv). During the inspection it was also gathered that the User Agency has RVUNL has 6 Thermal Power Plants (TPP) in the State of Rajasthan having total power generation capacity of 7,580 MW and total annual coal requirement of 35.12 MT. It was further informed that out of the total 6 TPP, 2 TPP are Super Critical TPP requiring 11.06 MTPA of coal. It was further informed that Super Critical TPP of the User Agency are likely to be commissioned in the year 2019-2020. Re remaining TPP of the User Agency have been reported to be operational. Current coal linkages for aforementioned TPP, are with SECL and PEKB, KECB and Parsa Coal Blocks. The PEKB coal has total coal reserve of 452 MT, out of which 23 MT have been mined out so far at an annual production capacity of 10 MTPA. At an enhanced production of 15 MTPA, the life of the mine will be 34 years. The User Agency has further informed that estimated coal reserves in Parsa and Kete Extension Coal Block area has coal reserves of 150 MT and 200 MT respectively. An annual production of 12 MTPA (5 MTPA-Parsa CB; 7 MTPA KECB) will be

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- realized from these two coal blocks in near future to meet the coal requirement of TPPs of the User Agency. Detail of TPP and their coal requirement, as made available by the User Agency, is enclosed at **Annexure –V**.
- (v). Important wildlife reported in the area sloth bear, hyena, jackal, wild boar, etc. In addition to these movement of elephants and leopard has also been reported in area. However, examination of the proposed area using DSS tools revealed sloth bear as an important species in the area and area does not form part of any tiger corridors, tiger reserve, PAs. Further examination of the area revealed that no Remnant Forest Type are found in the area. It was also gathered during the inspection that area of the Parsa Coal Block does not form the part of elephant corridors, however, stray movement of elephants has been reported in the area. Similarly, leopards, based on the human-wildlife conflicts, as per records maintained by the State Forest Department, have also been reported in the forests of the area. Area does not form part of any PAs and Ecosensitive Zone. Nearest PAs areas are Samarsot Wildlife Sanctuary, Tamorpingla Sanctuary and Badalkhol Sanctuary which and they are situated at an approximate distance of 150 Km, 80 Km, and 156 Km, respectively from the area under question.
- (vi). A Wildlife Management Plan, involving financial provisions of Rs. 1216.00 Lakh has been approved by the PCCF (Wildlife) vide his letter no. 4133 dated 8.06.2017 which will be implemented in the nearby area. However, in accordance with the provisions contained in the condition no. (ii) of the Stage-I approval dated 19.12.2017 wherein the MoEF&CC has stipulated that an Integrated Wildlife Management Plan will be prepared and implemented for the entire Hasdeo area based on the outcome of biodiversity assessment study to be conducted in the region. Therefore, in the backdrop the efficacy of the proposed separate plan for the Parsa Coal Blcok needs to be examined. It is also imperative to mention that another plan, involving financial provisions of Rs. 22.0 crores, is also being implemented by the State Forest Department in the impact zone of PEKB coal block.
- (vii). Biotic pressure in the form of grazing, lopping and illicit felling was also observed during the inspection. It was informed that there are total 50 villages falling in the core and buffer areas (10 Km) of the forest land proposed for coal mining (Annexure-VI).
- (viii). Evacuation of coal has been proposed by the railway. The PP has constructed a railway line upto their lease area for transportation of washed coal.
- (ix). So far, approval in almost 6 cases pertaining to the diversion of forest land, including PEKB and KECB has been accorded by the MoEF&CC, for coal mining and ancillary infrastructure such as transmission lines, railway lines, etc. Detail of approval accorded is enclosed at Annexure-VII.

Charan Jeet Singh Scientist 'C"



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CI A)			COAL BLOCKS SC	ARSA COAL BLOCK IN HASD	EO ARAND COAL FIELD
SI. No.	. District	Tehsil	Name of	Alloted To	FC Status
1	Suguja & Surajpur	Udaipur & Premnagar	Parsa Coal Block	ajasthan Rajya Vidyut Utapadan Nigam Limited, Jaipur	1. State Govt recommended for Stage- approval of Forest Clearance to MOEF of 02.05.18 2. Submission of Forest Clearance recommendation by State Govt. to MOEF on dtd: 03.05.18.
2	Suguja	Udaipur	Parsa East & Kete Basan Coal Block	Rajasthan Rajya Vidyut Utapadan Nigam Limited, Jaipur	Forest Clearance of Parsa East and Ken Basan Open cast mine was granted by MOEF for diversion of 1898.328 Ha.in two phases on dtd: 15.03.2012
3	Suguja	Udaipur	Kente Extension Coal Blok	Rajasthan Rajya Vidyut Utapadan Nigam Limited, Jaipur	1. Stage- I Forest Clearance(FC) for Prospecting License(PL) is obtained from MOEF on 19.12.2017 2. Stage-I Forest Clearance compliance for PL was recommended by State Govt CG on 27.03.2018 to MOEF 3. MOEF was raised query on FC for PL vide dtd: 09.05.18 4. State Govt. replied to MOEF on dtd: 11.05.2018 against query dtd: 09.05.18 for FC for PL
4	Korba	Kathghora	Puta-Parogia Coal Block	Not Allotted	Not Applicable
5	Korba	Kathghora	Gidmuri & Paturía Coal Block	Chhattisgarh State Power Generation Company Limited	Diversion Proposal submitted by user agency vide Proposal No.: FP/CG/MIN/19916/2016, FC Under process.
6	Korba	Kathghora	Madanpur (South) Coal Block	The Andhra Pradesh Mineral Development Corporation Limited	Diversion Proposal submitted by user agency vide Proposal No.: FP/CG/MIN/28733/2017, FC Under process.
7	Korba	Kathghora	Chotia Coal Block	Bharat Aluminium Company Limited	FC Granted by MoEF vide Letter no. F.No. 8-64/2005-FC dated 18.05.2015.
8	Surajpur	Premnagar	Tara Coal Block	Earlier alloatted to CMDC.Tara block was awarded to JSPL but due to legal case, is still pending in HC,awaiting for final decision.	Stage-I approved in favour of CMDC before deallocation of Coal Blocks
9	Korba	Kathghora	Morga South Coal Block	Not Allotted	Not Applicable
10	Suguja	Udaipur	Pendrikhi Coal Block	Not Allotted	Not Applicable
	Korba	Kathghora	Bisrar (Madanpur North) Coal Block	Not Allotted	Not Applicable
	Korba	Kathghora	Morga -I Coal Block	Not Allotted	Not Applicable
	Korba	Kathghora	Morga -II Coal Block	Not Allotted	Not Applicable
	Korba	Kathghora	Morga -III Coal Block	Not Allotted	Not Applicable
	Korba	Kathghora	Morga -IV Coal Block	Not Allotted	Not Applicable
	-	Kathghora	Morga South Coal Block	Not Allotted	Not Applicable
		Korba	Nakia -I Coal Block	Not Allotted	Not Applicable
18	Korba	Korba	Nakia-II Coal Block	Not Allotted	Not Applicable

#### 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) Act, 2015.

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

In re:

Parsa Coal Mine (the "mine") particulars of which is specified in Annexure

1

Order no.:

103/24/2015/NA

Date:

September 08, 2015

In favour of: Rajasthan Rajya Vidyut Utpadan Nigam Limited incorporated in India under the Companies Act, 1956 with corporate identity number U40102RJ2000SGC016484, whose registered office is at R.C. Dave Marg, Vidyut Bhawan, Jyoti Nagar, Jaipur, Rajasthan - 302005, India (the "Allottee").

For utilisation in: End Use Plants situated at 1) Motipura Choki, Chhabra, District - Baran, Rajasthan 2) Village - Undal, Tehsil - Jhalrapatan, District - Jhalawar, Rajasthan and 3) Thukrana, Tehsil - Suratgarh, District - Shriganganagar, Rajasthan, as more particularly described below (the "End Use Plant").

S. No.	Name of Specified End Use Plant	Address	Configuration	Capacity
1.	Chhabra TPP Unit 3 to Unit 6	Motipura Choki, Chhabra, District - Baran, Rajasthan	2 x 250 MW 2 x 660 MW	1820 MW
2.	Kalisindh TPP Unit 1 and Unit 2	Village - Undal, Tehsil - Jhalrapatan, District - Jhalawar, Rajasthan	2 x 600 MW	1200 MW
3.	Suratgarh Supercritical TPP Unit 7 and Unit 8	Thukrana, Tehsil - Suratgarh, District - Shriganganagar, Rajasthan	2 x 660 MW	1320 MW

WHEREAS, the nominated authority has, in accordance with the provisions the Coal Mines (Special Provisions) Act, 2015 (the "Act") 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 Act;

AND WHEREAS the allottee has furnished a performance bank guarantee dated May 22, 2015 for an amount equal to INR 85,70,00,000 (Indian Rupees Eighty Five Crore and Seventy Lakh), issued by Bank of India in accordance with the allotment document and in accordance with the provisions of sub-section (6) and sub-section (12) of section 8 of the Act;

AND WHEREAS the allottee has entered into an Allotment Agreement dated March 30, 2015 (as amended) with the nominated authority in accordance with the provisions of subrule (5) of rule 13.

### NOW, THE NOMINATED AUTHORITY DOES ORDER:

- On and from September 08, 2015 ("allotment date") and in accordance with subsection (4) of section 8 read with subsection (12) section 8 of the Act, 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 the 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;

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



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;
- 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 Act in favour of the allottee for the residual term or residual performance of such contract;
- 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-1 without let or hindrance;
- 3. This allotment order is liable to be cancelled in accordance with the provisions of subrule (6) of rule 13.

(By the nominated authority

### Annexures

### Annexure 1: Particulars of the mine

### Part A - Description of the mine

Name of Coal Mine	Parsa	
Latitude	22°48'57.01" N to 22°51'56.85" N	
Longitude	82°45'10.50" E to 82°47'22.86" E	
Coalfield	Hasdeo Arand	
Villages	Ghatbarra, Phatepur, Salhi, Tara	
Tehsil/Taluka	Udaipur and Premnagar	
District	Surguja and Surajpur	
State	Chhattisgarh	



# Part B - Description of Land in relation to the mine



Part C - Description of Mine Infrastructure in relation to the mine



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/ Agency	Letter No.	Date
1.	Approval of a) Mining Plan Mining Plan and Mine Closure Plan (August 2013)	Ministry of Coal	No.13016/90/2006- CA-I (Part)	19.05.2014
	b) Minc Closure Plan Mining Plan and Mine Closure Plan (August 2013)		No.13016/90/2006- CA-J (Part)	19.05.2014



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



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



# 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.



Name of TPS	Unit	Capacity	Location	Linkage/ Coal Block	Type of Linkage	Annual Washed coal requirement @85% PLF	Raw Coal Production Proposed	Washed Coal Production Approx
	1) Power	Station under operation						
	Unit 1&2	220 MW (2x110 MW)		SECL - 3.308		1.16		
Kota TPS	Unit 3,4&5	630 MW (3x210 MW)	Kota	Mn, NCL -3.65	Tappering	3.17		
	Unit 6&7	390 MW (2x195 MW)		Mn	Linkage	2.05		
Suratgarh TPS	Unit 1,2,3,4,5&6	1500 MW (6x250 MW)	Shriganganagar	SECL - 7.304 Mn, NCL - 0.5 Mn	Tappering Linkage	7.17		
Chhabra	Unit 1&2	500 MW (2x250 MW)		SECL - 2.312 Mn	Tappering Linkage	2.39		
TPS	Unit 3&4	500 MW (2x250 MW)	Baran	Parsa and Parsa East & Kanta Basan		2.39	PEKB – 15Mn Parsa – 5Mn	PEKB – 11.625Mn Parsa – 3.875Mn
Kalisindh TPS	Unit 182	1200 MW (2x600 MW)	Jhalawar	Parsa and Parsa East & Kanta Basan		5.74		
Sub-total		4940 MW				24.07		
	2) Power	Station under execution	(expected from 2	2019-2020 onward	s)			
Chhabra supercritical TPP	Unit 5&6	1320 MW (2x660 MW)	Baran	Parsa, Parsa East & Kanta Basan and Kente Extn coal blocks		5.53	PEKB – 15Mn Parsa – 5Mn Kete Extn – 7Mn	PEKB – 11.625Mn Parsa – 3.875Mn Kete Extn – 5.425Mr
Suratgarh supercritical TPP	Unit 7&8	1320 MW (2x660 MW)	Shriganganagar	Parsa, Parsa East & Kanta Basan and Kente Extr coal blocks		5.53		
Sub-total		2640 MW				11.06		
Total		7580 MW				35.12	27.00	20.925

There will be a shortfall of 14.195 Mn Ton coal requirement vis-à-vis availability for RVUNL even after all 3 blocks start full production.

Note:

<sup>1)</sup> All Coal figures are in Million Tonne, 2) Proposed Production Figures are as per Mining Plan.3) Washed Coal Value is 77.5% of Raw Coal Value.

SI. No.	District	Villages in Buffer Zone	Villages in Core Zone	Villages to be rehabilitated
1	Surguja	Salhi	Salhi	
2	Surguja	Hariharpur	Hariharpur	
3	Surguja	Ghatbarra	Ghatbarra	Ghatbarra
4	Surguja	Fatehpur		
5	Surguja	Saidu		
6	Surguja	Sushkam		
7	Surguja	Parogia	Parogia	
8	Surguja	Dandgaon		
9	Surguja	Gumga		
10	Surguja	Basen	Basen	
11	Surguja	Kete	Kete	Kete
12	Surguja	Parsa	Parsa	
13	Surguja	Pandridand		
14	Surguja	Salba		
15	Surguja	Banguru		
16	Surguja	Beldhab		
17	Surguja	Kotri		
18	Sarguja	Bakoi		
19	Sarguja	Jhingajharia		
20	Surguja	Daulatpur		
21	Surguja	Chakeri		
22	Surguja	Narayanpur		
23	Surguja	Amaduga		
24	Surguja	Kathmunda		
25	Surajpur	Namna		
26	Surajpur	Shivnagar		
27	Surajpur	Janardanpur		
28	Surajpur	Tara		
29	Surajpur	Chandanagar	The second secon	
30	Surajpur	Salka		
31	Surajpur	Brindavan		
32	Surajpur	Raghunathpur		
33	Surajpur	Abhaypur		
34	Surajpur	Kantarouli		
35	Surajpur	Mendra		
36	Korba	Madanpur		

38	Korba	Pandripani	
39	Korba	Pathuriadand	
40	Korba	Gidmudi	
41	Korba	Thirriama	
42	Korba	Tendutikrra	
43	Korba	Silibhandu	

Status of Forest clearance of Projects of Rajasthan Rajya Vidyut Utpadan Nigam

Limited(RVUNL) & Other Related Projects in the Area Wild Life Management Remarks Plan (WLMP) Fund in **Forest Clearance status** Sr. No. Project Crores Forest Clearance Stage - II Approval by MoEF 33KV accorded for 2.115 Ha. of Forest land on 1 transmission 22.12.2012 in favour of Rajasthan Rajya line Vidyut Nigam Limited. Forest Clearance Stage - II Approval by MoEF accorded for 37.254 Ha. of Forest land on SRCPL Phase-Company: SRCPL 2 20.05.2014 in favour of Sarguja Rail Corridor Pvt. Ltd. Forest Clearance Stage - II Approval by MoEF accorded for 52,476 Ha. of Forest land on SRCPL Phase-Company: SRCPL 3 07.09.2016 in favour of Sarguja Rail Corridor Pvt. Ltd. Forest Clearance Stage II approval by MoEF accorded for 19.385 Ha. Forest Land in favour 132KV of M/s Chhattishgarh State Power Company: CSPTCL 4 transmission Transmission Company Limited (CSPTCL) on line 06.11.2017 and Stage-II compliance has been submitted on 24,11,2017. Forest Clearance of Parsa East and Kente Final Stage -II FC from Basan Open cast mine was granted by MOEF Rs. 22 Cr. Budget 5 PEKB C.G. State approval dtd: 06.03.2013 for diversion of 1898.328 Ha.in two phases on dtd:28.03.2012 dtd: 15.03.2012 1. Stage- I Forest Clearance(FC) for Prospecting License(PL) is obtained from MOEF on 19.12.2017 2. Stage-I Forest Clearance compliance for PL was recommended by State Govt. CG on Kente 27.03.2018 to MOEF Extension WLMP not applied 6 3. MOEF was raised query on FC for PL vide Coal Block dtd: 09.05.18 4. State Govt. replied to MOEF on dtd: 11.05.2018 against query dtd: 09.05.18 for FC for PL 1. State Govt recommended for Stage-I approval of Forest Clearance to MOEF on Parsa Coal 02.05.18 7 12.16 Block 2. Submission of Forest Clearance recommendation by State Govt. to MOEF on dtd: 03.05.18