

MCDR INSPECTION REPORT

**General**

<b>S. N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Kachche Ari Dongri Iron Ore Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	138.96
3	Mine code	30CHG08008
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4342/2011
5	Name of the lessee, Address, phone, email and fax number	Godawari Power & Ispat ltd.
6	Village	Kachche
7	Taluka/Mandal	Bhanupratappur
8	District	Kanker
9	Pincode	494635
10	State	Chattisgarh
11	Post office	Kachche
12	Nearest police station	Kachche
13	Nearest Railway station	Dalli
14	Date of Grant of Mining Lease	10/082015
15	Date of Execution	03/09/2015
16	Date of opening of Mine	09/09/2015
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri Vinod Pillai,plot no-428/1,phase-1,Industrial Area,Siltara,Dharsiwa Raipur(C.G)Phn-9893774747 <a href="mailto:Vinod.pillai@hiragroup.com">Vinod.pillai@hiragroup.com</a> ,fax-07714057601 Date of appointment-08/09/2015
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri K K Jha,Ari Dongri mines,Village-Kachche,P.O-Kachche,Dist- Kanker(C.G) Phn.No.9752499666 Date of appointment-08/09/2015

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri J B Singh, Ari Dongri mines, Village-Kachche, P.O-Kachche, Dist- Kanker(C.G) Phn no.9685090986 Date of appointment-08/09/2015
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Shailendra Kumar Suryavanshi, B.E(Mining), 10yrs exp. Ari Dongri mines, Village-Kachche, P.O-Kachche, Dist- Kanker(C.G) Phn no.9685090602 Date of appointment-08/09/2015
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	03/07/2015
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Mechanised
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

**Exploration**

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Amalgamated Lease is sanctioned on dated 03/09/2015 and mining work is carried out as per sanctioned mining plan.	Compiled	
1b	Exploration over lease area for Geological axis 1 or 2.	Total 21 no. of bore hole proposed.	18 nos. of bore hole done	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Mapp Drilling & Exploration Pvt Ltd (expenditure Rs 6381207.00)		
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per mining plan for 2 <sup>nd</sup> year	compiled	

1e	Balance reserves as on 01.04.2015	8424000tonne for diff grade		
1f	General remarks of inspecting officer on geology, exploration etc.			The exploration not done as per the proposal and violation pointed out for the same.

### **Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	In between boundary pillar G and K	Compiled	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No top soil	nil	
2c	Stripping ratio or ore to OB ratio	1:2	1:2	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	nil	
2e	Quantity of overburden generation in m <sup>3</sup>	1062150	382683	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			Broadly as per the proposal.

### **Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1147385 tonne	420069.8tonne	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	both	compiled	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No subgrade and reject	no	
3j	Provision of drilling & blasting in mineral benches	DTH 110mm dia drill machine utilize for Drilling and blasting carried out by controlled blasting technique	compiled	
3k	Provision of mining machineries in mineral benches	Shovel dumper combination	compiled	
3l	Whether height of benches in overburden and mineral suitable for	Yes as per Mining plan	compiled	

	method of mining proposed in MP/SOM			
3m	Total area covered under excavation/pits	16.570hect.	compiled	
3n	Ore to OB ratio for the pit/mine during the year			
3o	Total area put in use under different heads at the end of year	45 hect	compiled	
3p	Production of ROM mineral during last five-year period, as applicable	Amalgamated lease is sanction on 03/09/2015 hence proposal for ROM last year was 1147385 tonne	2015-2016 ROM-420069.8tonne	
3q	General remarks of inspecting officer on method of mining etc.			Method of working is opencast and as per proposal.

**Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No topsoil and mineral rejects in mines area. OB dump at places mark in surface plan	compiled	
4b	Location of topsoil, OB & mineral reject dumps	OB dump mark in surface plan	compiled	
4c	Number of dumps within lease area and outside lease area	2,1 active and 1 dead dump	2	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump is situated far from Ultimate pit limit of mines	compiled	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	1	1	
4g	Number of dumps stabilised	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there	yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	801 m	Compiled	
4j	Number of settling ponds	2	compiled	
4k	Specific comments of inspecting officer on waste dump management			In the field site deviation is observed and accordingly violation pointed out.

**Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Area is hilly terrain and mining work is continuing in hill area, In present no pit is formed.	No back filling	
5b	Area under backfilling of mined out area	Area is hilly terrain and mining work is continuing in hill area, In present no pit is formed.	No back filling	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No topsoil	No topsoil	
5d	Total area fully reclaimed & rehabilitated	Area is hilly terrain and mining work is continuing in hill area, In present no pit is formed.	Area is hilly terrain and mining work is continuing in hill area, In present no pit is formed.	
5e	General remarks of inspecting officer on backfilling, reclamation etc			Area is not matured for backfilling.

**Progressive Mine Closure Plan**

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yes every year PMCP report submitted on time.	compiled	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) though funds have been deposited with forest deptt. still mine management has constructed garland drain around the dump, pit and settling pond is also constructed. ii) last year afforestation done- 3.88 hect. iii) 10700 nos. of saplings iv) details of plantation has been given in separate here. v) total cost for Afforestation- 2059061	compiled	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L * B * D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Proposal given in mining plan for water reservoir at end of mines	compiled	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	though funds have been deposited with forest deptt. still mine management has constructed garland drain around the dump, pit and settling pond is also	compiled	

		constructed.		
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air,water and noise sample collected from mines monthly and report submitted in PMCP report and all the parameters for environment monitoring have been maintained.	compiled	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			Broadly in order.

### **Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Iron ore sorted on fe% basis and dispatch accordingly,details has been given in annual return.	compiled	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	both	compiled	
7c	Different grade of mineral sorted out at mines	Iron ore sorted on fe% basis and dispatch accordingly,details has been given in annual return.	compiled	
7d	Any beneficiation process at mines	NO	NO	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			There is no beneficiation done within lease area.

### **Environment**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil	No topsoil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No wasterock ,rejects,fines only OB dump at mark places.		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Dead dump is utilize for plantation and in present no pit is formed.	compiled	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Dump is utilize for plantation and in present no pit is formed	compiled	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Separate information is attach for detail plantation in mines	compiled	

		and outside lease area.		
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Regular interval	compiloed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No adverse impact observed on aesthetic beauty during inspection.

**Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Regularly submitted monthly and annual return		
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	total 11 nos of technical staff appointed at mines	compiled	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Total land use 31.03 hect	compiled	
9d	Scrutiny of Annual return on afforestation	Total 3.88 hect. Area covered for afforestation in last year	compiled	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral reject.		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details in annual return.		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Captive use so no ex mine price, production cost of iron ore is Rs.1294.00	compiled	
9i	Scrutiny of Annual return on fixed assets	Given in annual return	compiled	
9k	Scrutiny of Annual return on mining machineries	Given in annual return	compiled	Few discrepancies observed in AR and violation pointed out accordingly

**Details of violations observed during current inspection and compliance position of earlier violation pointed out:- During the inspection Rule 13(1) of MCDR,1988 find violated for deviation for exploration & dumping & Rule 45(5)(b)(i) find violated for not furnishing correct information in AR.**

**Rajesh Kumar Das, Sr.ACOM, DOI:20.09.2016**  
**(Name of inspecting officer with designation and date)**