

FIRST REPORT ON  
ILLEGAL MINING OF  
IRON AND MANGANESE ORES  
IN THE STATE OF JHARKHAND

**OCTOBER, 2013**

**VOLUME: II**

**Justice M. B. Shah  
Commission of Enquiry  
for  
Illegal Mining of Iron Ore & Manganese**

# **I N D E X**

## **Volume: II**

<b>Chapter</b>	<b>Particulars</b>	<b>Page</b>
IV	Contravention of Environmental Laws	1
V	Encroachment	183

\* \* \*

**CHAPTER: IV**

**Contravention of Environmental Laws**

**[ I ]**

**Importance of Environment-ignored**

1. Under the law, as it stands today, if Environmental Clearance is not obtained or if there is violation of its conditions, then matter is to be dealt with seriousness. EC conditions are required to be strictly complied with for the ultimate benefit of the society. Its non implementation results to health hazardous which may, on occasions, violate right to life guaranteed under Article 21 of the Constitution of India. Further, it affects the natural ecosystem as well as pollutes water and air and causes damages to life.

Since ancient time, in our country, we believe in maintaining environmental balance. In this reference, it is relevant to quote what it has been said in “Atharva Veda” as published in Times of India, Ahmedabad Edition, on Earth Day:-

*“Prayer has been made to Mother Earth that she blesses us with the knowledge required to enjoy the treasures of the nature without disturbing the environmental balance.”*

Similar was the culture as stated in **Chuang Tzu 17**. The quotation was as under:-

*“A horse or a cow has four feet. That is Nature. Put a halter around the horse’s head and put a string through the cow’s nose that is man. Therefore, it is said, “Do not let man destroy Nature. Do not let cleverness destroy destiny the natural order.”*

Secondly, Article 48A of the Constitution of India – a directive principle of the State Policy should be followed in letter and spirit. The said Article reads as under:-

*“State shall endeavor to promote and improve the environment and **to safeguard forests and wild-life of the country.**”*

Thirdly, it is one of the duties of the citizen as well as the State to protect and improve the natural environment including forests, lakes, rivers wild-life, and to have compassion for living creatures, as provided under Article 51A(g) of the Constitution.

Every creature has reasons to exist on earth.

**2. Effect of degradation of environment (Ref.: K. M. Chinnappa v/s. Union of India, [AIR 2003 SC 724]:—**

*“By destroying nature, environment, man is committing matricide, having in a way killed Mother Earth.*

... ..

*The seminal issue involved is whether the approach should be ‘dollar friendly’ or ‘eco friendly’.*

... ..

*There is no quiet place in the white man's cities. No place to hear the unfurling of leaves in spring or the rustle of insect's wings. But perhaps it is because I am a savage and do not understand. The clatter only seems to insult the ears. **And what is there in life if a man cannot hear the lonely cry of the whippoorwill or the arguments of the frogs around a pond at night?***

... ..

*Environment is polycentric and multi-facet problem affecting the human existence. The Stockholm Declaration of United Nations on Human Environment, 1972, reads its Principle No.3, inter-alia, thus: “Man has the fundamental right to freedom, equality, and adequate conditions of life. In an environment of equality that permits a life of dignity and well being and bears a solemn responsibility to protect and improve the environment for present and future generations.”*

*The Declaration, 'therefore, says that' in the developing countries, most of the environmental*

*problems are caused by underdevelopments. The Declaration suggests to safe actions with prudent care for ecological balance. **It is necessary to avoid massive and irreversible harm to the earthly environment and strife for achieving present generation and the posterity a better life in an environment more in keeping with the needs and hopes.***

... ..

*The word “environment” is of broad spectrum which brings within its ambit “hygienic atmosphere and ecological balance.” It is, therefore, not only the duty of the State but also the duty of every citizen to maintain hygienic environment. The State, in particular has duty in that behalf and to shed its extravagant unbridled sovereign power and to forge in its policy to maintain ecological balance and hygienic environment. Article 21 protects right to life as a fundamental right. Enjoyment of life and its attainment including their right to life with human dignity encompasses within its ambit, the protection and preservation of environment, ecological balance free from pollution of air and water, sanitation without which life cannot be enjoyed.*

... ..

*Environmental law is an instrument to protect and improve the environment and to control or prevent any act or omission polluting or likely to pollute the environment. In view of the enormous challenges thrown by the industrial revolution, the legislatures throughout the world are busy in this exercise.*

... ..

*Since time immemorial, natural objects like rivers enjoyed a high position in the life of the society. They were considered as Goddesses having not only the purifying capacity but also self-purifying ability. Fouling of the water of a river was considered a sin and it attracted punishments of different grades which included, penance, outcasting, fine, etc.*

... ..

*When the necessity to promote the environment turned grave, doubt was expressed by some commentators whether the issue of the environment would last. They have been proved wrong, since it is clearly one of the big issues, perhaps the biggest issue of the 1990s. It is a big issue in political terms, since protection of the environment is high on most people's priorities for the 1990s. As a result political parties and Governments are falling over each other in their eagerness to appear green, even if as yet their actions rarely match their rhetoric. It is big in terms of the size of the problem faced and the solutions required; global warming, the destruction of the ozone layer, acid rain, deforestation, overpopulation and toxic waste are all global issue which require an appropriately global response. It is big in terms of the range of problems and issues air pollution, water pollution, noise pollution, waste disposal radioactivity, pesticides, countryside protection, conservation of wildlife the list is virtually endless.”*

**Decisions of the Hon'ble Apex Court on the subject with regard to obtaining of EC and violation of its conditions:—**

The law on the subject with regard to obtaining of EC and violation of its conditions are elaborately discussed in the **First Report for the State of Odisha**.

However, it is to state here that:—

- (i) Sustainable development is one of the means to achieve the object and purpose of the Act as well as the protection of 'life' under Article 21. Acknowledgment of this principle will breath new life into our environmental jurisprudence and constitutional resolve. Sustainable development could be achieved only by strict compliance of the directions under the Act. The object and purpose of the Act - "to provide for the protection and improvement of environment" could only be achieved by ensuring the strict compliance of its provisions. The concerned authorities by exercising its powers under the Act will have to ensure the acquiescence of sustainable development. Therefore, the provisions or conditions put forward by the Act need to be strictly complied with. Thus the power

under the Act cannot be treated as a power simpliciter, but it is a power coupled with duty. It is the duty of the State to make sure the fulfillment of conditions or direction under the Act. Without strict compliance, right to life under Article 21 could not be guaranteed and the purpose of the Act will also be defeated. The commitment to the conditions thereof is an obligation both under Article 21 and under the Act. **(Ref.: N. D. Jayal and ors. versus Union of India and ors., [AIR 2004 SC 867])**

- (ii)** The grant of lease for mining and approving of mining plan and the scheme by the Ministry of Mines, Government of India by itself does not empower that mining operation can be commenced. It cannot be accepted that by approving Mining Plan and Scheme by Ministry of Mines, Central Government is deemed to have approved mining and it can commence forthwith on such approval. Section 13 of the MMRD Act and the Rules made in exercise of powers under the said section, deal, inter alia, with the aspect of grant of mining of lease and not commencement of mining operations. Rules made under Section 18, however, deal with commencement of mining operations and steps required to be taken for protection of environment by preventing or controlling any pollution which may be caused by mining operations. **A mining**

**lease holder is also required to comply with other statutory provisions such as Environment (protection) Act, 1986, Air (Prevention and control of Pollution) Act, 1981, The Water (Prevention and Control of Pollution) Act, 1974, Forest (Conservation) Act, 1980. Mere approval of the mining plan by Government of India, Ministry of Mines would not absolve the lease holder from complying with the other provisions. (Ref.: *M. C. Mehta v. Union of India & Ors.* [(2004) 12 SCC 118])**

- (iii)** On the principle of sustainable development, no mining activity can be carried out without remedial measures taking place. For this purpose, it is necessary that environment impact assessment is done and the applications dealt with before any mining activity can be permitted. **(Ref.: *M. C. Mehta v/s. Union of India, I.A. No.1967 in I.A. No.1785 in Writ Petition (C) No.4677 of 1985, dated 08.05.2009*)**

**Non-compliance of Statutory Conditions/provisions**

1. To comply with the EC conditions under various Acts and Rules, it is the prime duty of the concerned officers/authorities empowered under the provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Air (Prevention & Control of Pollution) Act, 1981; the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules **to enforce the provisions of environmental laws and stipulated conditions of Environmental Clearance**. At the same time the Deputy Directors/mining officers at district level should ensure that mining do not commence without compliance of the conditions.
2. It is to be stated that the relevant provisions of the aforesaid Acts and Rules made thereunder have been discussed in detail in the **First Report of the Commission for the State of Odisha**.
3. It is worthwhile to highlight that when any lessee desires to operate / establish any mine, he has to mandatorily obtain prior Consents under the Water and Air Acts. If any mining lease is operated or

established without having consents under the provisions of the Water Act, 1974; Air Act, 1981 and notification, it amounts to violation of the said provisions, attracting penal liability and individual liability for closure.

4. Further, when a party desires to establish or set up certain undertakings, establishments or processes, such party is required to have certain prior permissions including 'Consent to Establish' and 'Consent to Operate' under the aforesaid two Acts and other permissions relating to Environmental Clearance under the Environment Protection Act, Forest Clearance under Forest (Conservation) Act, 1980, permissions from local authorities, such as, the Municipality, the Corporation, the Planning and Development Authority under the Town and Country Planning Act, Panchayat Body under the Panchayat Raj Act, so on and so forth, **as the case may be, wherever applicable.**
5. In addition, whenever the party fails to obtain the requisite Consents from the Pollution Control Board under the Air and Water Acts or violates any condition imposed thereunder or does not comply with the conditions imposed by the Board in the Order of consent to operate, then **the Pollution Control Board can prohibit / issue closure**

**directions in terms of Law or even withdraw/ revoke the Order of Consent and also initiate prosecution against such lessees.**

Allowing to continue and non initiation of prosecution against the violators (lessees) has caused fear free atmosphere and opened the doors for illegalities.

- 6. The Mines Department, being a competent authority to allow mining, is required to be satisfied that all the clearances/approvals are obtained by the lessee before operation of mining commences.** The burden to ensure that the party has obtained all the necessary permissions for the purpose of carrying on or undertaking an activity, is an essential the duty of the State Government through the Department of Mines. Mines Department is required to ensure that no mining is carried out until all other permissions required under all other laws are obtained.

Further, the role of the respective District Collectors should also be examined by the Chief Secretary and action should be taken accordingly whether he has failed to exercise powers under the lease deed agreements.

7. Moreover, all other Authorities which are required to give individual permissions/clearances having regard to the provisions of their respective Acts and Rules under which they are set up and the kind and nature of the permissions/clearances required under those Acts and Rules, shall monitor matters arising within their own jurisdictions and are required to take action in case of failure to comply with the conditions.

**Facts found from the record reveal that this has not been done by the concerned authorities.**

**EIA Notification dated 27/01/1994 and Amendments.**

1. At the outset, it is to be stated that various EIA Notifications, amendments made thereunder and Circulars issued by the Ministry of Environment and Forests, have already been quoted in the **First Report of the Commission for the State of Odisha** and therefore the same are not reiterated.
2. However, it is pertinent to state here that:—
  - (i) For mining of iron and manganese ores, in any new project or the expansion or modernization of any existing iron ore and manganese mining operations can not be undertaken without getting prior Environmental Clearance from MoEF under the EIA Notification dated 27/01/1994. That means, prior approval is a condition precedent and for its violation, action is required to be taken.
  - (ii) Even for modernization expansion of existing projects or activities, enhancement of production of likewise as stated in the EIA Notification 1994 and 2006 approval of the

Central Government is must. For this purpose, there should be –

- (a)** Environmental Impact Assessment Report;
- (b)** Environmental Management Plan;
- (c)** for Environment Impact Assessment, there should be public hearing; and
- (d)** Approval from MoEF for environmental clearance.

If the approval conditions are violated and approval is not obtained, the lease would liable to be closed with other consequential penalties/recoveries, etc.

**Precautionary/Polluter Pays Principles**

1. At the outset, it is to state here that:—
  - (i) the authority shall firstly implement the ‘Precautionary Principle’ so that there is no environmental damage;
  - (ii) the ‘Polluter Pays Principle’ should be the guideline for restoring the damage. In case of damage, polluter shall be directed to pay compensation for restoration of ecology and environment; and
  - (iii) the polluter should be directed to pay exemplary damages in cases of serious violations.
  
2. Nobody bothers to implement the laws namely “PRECAUTIONARY PRINCIPLE” and “POLLUTER PAYS FOR THE POLLUTION”.

Polluter Pays Principle:–

Principle 16 of the Rio declaration states that:–

- (i) *“National authorities should endeavor to promote the internalization of environmental costs and the use of economic instruments,*

*taking into account the approach that the polluter should, in principle, bear the cost of pollution, with due regard to the public interest and without distorting international trade and investment.”*

- (ii)** Further, “Polluter Pays Principle” means that once the activity carried out is hazardous or inherently dangerous, the person carrying on such activity is liable to make good the loss caused to any other person by his activity irrespective of the fact whether he took reasonable care while carrying on his activity or otherwise.
  
- (iii)** It is quite obvious that:–
  - (a)** the object of the above principle was to make the polluter liable not only for the compensation to the victims but also for the cost of restoring of environmental degradation;
  
  - (b)** the polluter is also liable to compensate for his act/s and to pay damages (compensation) for restoration of the environment and ecology and in both the cases, compensation should be of such

amount which would have deterrent effect;

- (c) in addition to damages, the person guilty of causing pollution can also be held liable to pay exemplary damages so that it may be deterrent for others not to cause pollution in any manner [**M. C. Mehta V. Kamla Nath, AIR 2000 SC 1997**]

3. In view of the aforesaid, it is to state here that the measure of compensation must be co-related to the magnitude and capacity of the enterprise because such compensation must have a deterrent effect. The larger and more prosperous the enterprise, the greater must be the amount of compensation payable by it for the harm caused on account of an accident in the carrying on of the hazardous or inherently dangerous activity by the enterprise. **(Ref.: M. C. Mehta & Anr. v/s. Union of India & Ors., [(1987) 1 SCC 395])**
4. Further, in the cases where without obtaining Forest Clearance and/or Environmental Clearance, persons who were in possession of the mines, have extracted iron ore and manganese for the purpose of export and domestic consumption with greed of

super profits by evading applicable taxes. This has resulted in degradation of forest, pollution of water & air, Rivers and connecting rivulets. In such cases, the lessees / middlemen have earned billions of rupees at the cost of national non-renewal assets.

**It has been observed that illegal and non sustainable mining is one of the most heinous unpardonable crimes of human race to commit on mother earth.**

## **5. Brief Summary**

In view of the aforesaid Principles, it is apparent that neither the **'Precautionary Principle'** nor the **'Polluter Pays Principle'** is observed or thought over, while permitting extraction of iron ore/additional extraction in various mines in the State of Jharkhand. Nobody has bothered about it, while permitting the persons extracting the iron ore from the mines stated below.

**(a)** In the State of Jharkhand, in all **42** leases leases of iron and manganese ores are having the direct impact on the rivulets, nallas and tributaries which are joining to **Koro, Koina and Sakaro Rivers as well as Kandi, Betlata and Katrogara Nallas**. The list of the said **42 leases** is enclosed herewith as **Annexure: I**.

- (b) Out of **42** mining leases, **18** mining leases of Iron Ore and/or Manganese are not having Environmental Clearance. The list of the said **18 mining leases** is enclosed as **Annexure: II**.
- (i) Out of the aforesaid **18** leases, in **08** leases, **iron ore was extracted**, since the year 1993–94 to 2012–13. **No EC has been obtained till date**. The list of the said **08 mining leases** is enclosed as **Annexure: III**.
- (ii) Out of the aforesaid **18** leases, in **02** leases, **manganese ore was extracted**, since the year 1993–94 to 2012–13. **No EC has been obtained till date**. The list of the said **02 mining leases** is enclosed as **Annexure: IV**.
- (c) It is to state that out of **18** leases, from **06** leases, a quantity of **4,89,201.23 MT** (as per DMG data) of iron ore has been extracted illegally without having lawful authority (since no EC was obtained). The list of such **06 mining leases** is enclosed herewith as **Annexure: V**.

All such production is to be considered as illegal and without lawful authority. The market value for iron and manganese ores is

required to be recovered under Section 21(5) of the MM(DR) Act, 1957.

- (d) There are **24** leases wherein **much delayed environmental clearance** under EIA Notification has been obtained. The list of the said **24 leases** is enclosed as **Annexure: VI**.
- (i) Out of the aforesaid **24** leases, in **19** leases (delayed EC was obtained), **iron ore is extracted**. The list of the said **19 leases** is enclosed as **Annexure: VII**.
- (ii) Out of the aforesaid **24** leases, in **04** leases, **manganese ore is extracted**. The list of the said **04 leases** is enclosed as **Annexure: VIII**.
- (e) It is to state that out of **24** leases, in **20** leases, extraction of ore (iron / manganese) have been taken place since 27.01.1994. The lessees have obtained delayed EC under EIA Notification which is taken into consideration. The quantity of (as per DMG data) **11,87,81,132.183 MT** of iron ore and **1,30,448.686 MT** of manganese ore have been extracted illegally without having lawful authority (either there was no EC obtained for the period or when obtained, the excess quantity of ore was extracted above the limit

fixed by MoEF as per EC approvals). The list of such **20 leases** is enclosed as **Annexure: IX**.

All such production is considered as illegal and without lawful authority. The market value for iron and manganese ores is required to be recovered under Section 21(5) of the MM(DR) Act, 1957.

- (f) **18** leases of iron and/or manganese ores have been running under deemed extension and carrying out production in violation of EIA Notifications, 1994 and 2006, **without having EC under EIA Notifications**.

Further, **22** leases of iron and/or manganese ores have been running under deemed extension and carrying out production in violation of EIA Notifications, 1994 and 2006, **with having obtained delayed E.C.**

So, overall **40** leases are/were working under deemed extension and doing production **in violation of EIA Notifications, 1994 and 2006**. The list of the said **40** leases is enclosed as **Annexure: X**.

As per submission dated 18.05.2011 [Para: 7 (m)] made by the Ministry of Mines, Government of India to this Commission, the

leases operated under deemed extension without statutory clearance under EIA notification dated 27.01.1994 and amendments therein for environmental clearance is considered as illegal. Action should be initiated to recover the value equivalent to market value as per Section 21(5) of MM(DR) Act, 1957. The said para, *inter-alia*, reads as under:-

**“Illegal mining”** means:-

*“7(m) Mining operations taken under a mining lease which validly is deemed to be extended under provisions of Rule 24A of Mineral Concession Rules, 1960, due to delay of State Government to take a decision on renewal of the mining lease in the stipulated time even after the renewal application has been filed timely, **but without the necessary fresh environmental and forest clearances (on account of specific provisions of Forest (Conservation) Act, Environmental Impact Assessment Notification etc.,** whose provisions do not explicitly recognize deemed extension of mining lease and*

*where separate specific approvals may be necessary).”*

Therefore, totally, **26** lessees of iron and manganese ores are/were noted doing production without lawful authority, as reported in **Annexures: V and IX** (which includes **40** leases running under deemed extension also) in violation of EIA Notifications, 1994 and 2006.

Hence, an approximate quantity of **11,92,70,333.413 MT** iron ore for an approximate value of **Rs.144,03,38,95,307/- (i.e. approx. 14,403 crores)** and an approximate quantity of **1,30,448.686 MT** of manganese ore for an approximate value of **Rs.138,08,96,398/- (i.e. approx. Rs.138 crores)** is extracted illegally and without lawful authority. The said amount should be recovered from the lessees under Section 21(5) of the MM(DR) Act, 1957.

It is stated here that the illegal production estimated herein is exclusively based on violations of Environmental Clearance under EIA Notifications. Further, other factors such as consent to operate,

production without mining plan/scheme, FC Clearance etc. are not taken into consideration. Value of illegal production would increase, if the said factors are taken into consideration.

- (g)** **04** leases of iron and/or manganese ores are such where diversion permission u/s. 2 of Forest Conservation Act, 1980 was granted subject to E.C. but without EC, the lessee of the respective mine has been allowed to operate the mining in violation of the conditions stated therein. The list of the said **04 leases** is enclosed as **Annexure: XI**.
- (h)** There are **02** leases of iron and/or manganese ores wherein E.C. was granted without having obtained Forest Clearance which is in violation of Circular No.J-11015/12/94-IA. II(M), dated 17.06.1996 issued by MoEF, GoI. The list of the said **02 leases** is enclosed as **Annexure: XII**.
- (i)** During approval for EC by MoEF, certain conditions for protection of wildlife and conservation of habitat, etc. were stipulated in **24** leases of iron and/or manganese ores.

To what extent, such conditions have been complied with require verification by a

team of experts and follow up actions should be taken by MoEF. The list of **24 leases**, wherein such conditions are imposed, is enclosed as **Annexure: XIII**.

(j) **01** lease of iron Ore is such where Environmental Clearance has been accorded without stipulating any condition for wildlife protection. The list of the said **01 lease** is enclosed as **Annexure: XIV**.

(k) **26** leases of iron and/or manganese ores were/are running in violation of EP Act, 1986 and Rules framed thereunder because such leases have not obtained EC and made excess production (production beyond the limit fixed by MoEF) in violation of Notifications dated 27.01.1994 & 14.02.2006 and Circular dated 12.02.2002 issued by MoEF. Therefore, action is required to be taken under Section 21(5) of MM(DR) Act, 1957 and also under Section 19 of E.P. Act, 1986 in all such cases which is given in this Chapter, as **Annexures: V and IX**. The list of the said **26 leases** is enclosed as **Annexure: XV**.

(l) Further, difference of year-wise total production of Iron Ore as per DMG and IBM data for the years 1993-94 to 2011-12 is

enclosed as **Annexure: XVI**. Out of 20 years from 1993–94 to 2011–12, in two years i.e. 1997–98 and 2005–06, the production of Iron Ore as per DMG data was more than that of IBM data. As per IBM data and DMG data from the years 1993–94 to 2011–12, the total production of iron ore was **326.21 Million Metric Tonnes** and **295.59 Million Metric Tonnes** respectively. Hence, there is the difference of **53.41 Million Metric Tonnes** for the said period (**Annexure: XVI**). It appears that the production of iron reported by IBM is about 24 percent more as compared to DMG production during this period. So, it seems that lessees are showing less production to DMG. Hence, royalty is required to be recovered by the State Government (DMG). Therefore, it is presumed that royalty for this under reporting production was not paid by the lessee. This ore might have been sold to the nearby illegally operated crusher holders and ultimately exported or consumed locally. The mineral value of such difference of quantity of ore comes about to **Rs.86,85,22,03,984=00**.

Further, difference of lease-wise total production of iron ore as per DMG and IBM

data for the years 1993–94 to 2012–13 is enclosed as **Annexure: XVII**. It indicates that leases at Sr. Nos.1, 3, 5, 7, 8, 9, 10, 11, 13, 15, 21, 22, 24, 26 and 27 are not included in total production difference of Iron Ore, as production figures as per DMG was more than that of IBM.

6. Apart from the aforesaid facts, the District Collectors or Deputy Commissioner or equivalent who were the signatories of mining lease deed agreements and also a competent authority under Section 19 of the E.P. Act, 1986 in Jharkhand State, are directly responsible for allowing the mining leases operations after expiry of lease period wherein lessees were not having statutory approvals under all the connected Acts, Rules, guidelines, orders and others mainly under EIA notification dated 27.01.1994 and FCA.

The Deputy Directors or equivalent of Mines Department who were issuing authority of mineral dispatch permits and guardians on behalf of State for management, administration, regulation, control and others for mines under the relevant Acts, Rules, guidelines, orders and others are also equally responsible for allowing mining operations by issuing dispatch mineral permits, even if the lessees are not having approvals and entitlement under the

EIA Notification dated 27.01.1994 and amendments, EP Act, 1986 and Rules, FC Act, 1980 and others.

7. There is flagrant misuse of Rule 24A(6) of MCR, 1960 (as amended on 27.09.1994) during the deemed extension of lease period without obtaining the Environmental Clearance under EIA Notification dated 27.01.1994 and Amendments therein and prior approvals under FC Act, 1980 for diversion of forest land for non forestry purpose which have resulted into serious illegal mining by extracting millions of tonnes of iron and manganese ores. The lessee can't do mining, if obligatory approvals under relevant Acts, Rules and Notifications are not obtained by him, though whatever reasons it could have been there.

The Commission has observed that during the period (mainly after 2000 to 2009) the rate of royalty per MT iron ore was very meager, hence, the lessees had gained windfall profits. During the deemed extension when unlawful mining was carried out, the loss to the State is required to be compensated by recovery of value equivalent to market rate or export rate whichever is applicable in individual cases with exemplary penalty after following due course of law.

**Summary Observations**

- A.** In short, the Commission has observed that:-
- (i)** There is violation of EC conditions. EC conditions are required to be strictly complied for the benefit of the society. Its non implementation is health hazardous which may on occasion violate right to life, guaranteed under Article 21 of the Constitution of India. Further, it affects the natural ecosystem as well as it pollutes water and air.
  - (ii)** Without EC, **18 mines** are operating and, therefore, “Precautionary Principle”, for environmental damage, eco-system and river water, is not implemented.
  - (iii)** Nine Rivers and its tributaries are being polluted and the water is allocated to the different industries without making any proper arrangement for supplying drinking water to the villagers.
  - (iv)** Actions, which are required to be taken under the Water Pollution Act and Air Pollution Act,

are not taken by the competent authority. The relevant Acts provide for prosecution and/or closure of mines. Action should be initiated without loss of time.

- (v) Action should be taken for all points discussed in this chapter. (They are not repeated here).

**B.** From the decisions and directions issued by the Apex Court and the Notifications issued by the MoEF, in short, it can be stated that:-

1. It has been repeatedly held that the right to life is a fundamental right under Article 21 of the Constitution of India and it includes the right to enjoyment of pollution-free water and air for full enjoyment of life. **The protection of this right is directly linked with clean environment.**

Secondly, it is the duty of the State and citizens to improve the natural environment, including forests, lakes, rivers and wildlife, and to have compassion for living creatures. This would require that habitats of wildlife should not be disturbed; river/lake-water and air should not be polluted. (Articles 48A and 51A(g) of the Constitution)

2. Before carrying out any mining operation, Comprehensive Environmental Management Plans must be formulated to the satisfaction of, and got approved from, the Ministry of Environment & Forests in a time bound manner.
  
3. Development strategy should be such that it caters the needs of the present **without negotiating the ability of upcoming generations to satisfy their needs**. The strict observance of sustainable development will put us on a path that ensures development while protecting the environment, a path that works for all peoples and for all generations.

Development strategy should not be only for the growth of GNP, that too by finishing the natural resources like minerals, forest and others in short period.

4. The natural resources like air, water and soil minerals, forest and others should be utilized judiciously with utmost care, if the utilization results in irreversible damage to environment. **There has been accelerated degradation of environment primarily on account of lack of effective enforcement of environmental**

**laws and non-compliance of the statutory norms.**

Mankind is a part of nature and life depends on the uninterrupted functioning of natural systems which ensure the supply of energy and nutrients (The World Charter for Nature).

5. The regulatory authorities have to act with utmost care in ensuring compliance of safeguards, norms and standards to be observed by such entrepreneurs. When questioned, the regulatory authorities have to show that the said authorities acted in a manner enjoined upon by them. Wherever the regulatory authorities, either connive or act negligently by not taking prompt action to prevent, avoid or control the damage to environment, natural resources and peoples' life, health and property, the principles of accountability for restoration and compensation have to be applied.
6. If illegal activity is allowed to go ahead, there may be irreparable damage to the environment and if it is stopped, there may be irreparable damage to economic interest. In case of doubt,

however, protection of environment would have precedence over the economic interest. Precautionary principle requires anticipatory action to be taken to prevent harm. The harm can be prevented even on a reasonable suspicion. It is not always necessary that there should be direct evidence of harm to the environment.

- 7.** A mining lease holder is also required to comply with other statutory provisions such as Environment (Protection) Act, 1986, Air (Prevention and control of Pollution) Act, 1981, Water (Prevention and Control of Pollution) Act, 1974, Forest (Conservation) Act, 1980. Mere approval of the mining plan by Government of India, Ministry of Mines (IBM) would not absolve the lease holder from complying with the other provisions.
- 8.** The aforesaid measures are not required to remain only on paper but should be strictly complied with in practice at field for the protection of environment and control of pollution as a result and consequence of mining operations.

9. The mining activity can be permitted only on the basis of sustainable development and on compliance of stringent conditions.
- 10. Violation of any of the conditions and provisions of law would entail the risk of cancellation of mining lease. The mining activity shall continue only on strict compliance of the stipulated conditions.**
11. Sustainable development could be achieved only by strict compliance of the directions under the Act. The object and purpose of the E.P. Act – “to provide for the protection and improvement of environment” could only be achieved by ensuring the strict compliance of its directions and provisions therein.
12. The decision-making process of MoEF shall be fair, fully informed and based on the correct principles, and free from any bias or restraint.

**Notification dated 27.01.1994 specifically provides that if EC is granted on the basis of false data, false information, false recommendation or decision, EC is required to be cancelled.**

The Supreme Court, in **M. C. Mehta v. Union of India & Ors. [(2004) 12 SCC 118]**, has held that in such cases, EC is to be cancelled. Action should be taken for all such leases pointed out by the Commission.

13. The fullest disclosures including the potential for increased burdens on the environment consequent upon possible increase in the quantum and degree of pollution, has to be made at the outset so that public and all those concerned including authorities may decide whether the permission can at all be granted for carrying on mining activity or otherwise.
14. In cases where environmental clearance is required for a project on forest land, the forest clearance shall be obtained before the grant of the environment clearance.
15. The Apex Court has issued the guidelines **so that fait accompli situations do not recur.**
16. Without strict compliance, right to life under Article 21 could not be guaranteed and the purpose of the Act will also be defeated. The commitment to the conditions thereof is an obligation both under Article 21 and under the Act.

- 17.** The Apex Court has made it clear that by issuance of such circulars, MoEF had not intended to legalise the commencement or continuance of mining activity without compliance of stipulations of the notification. In any case, a statutory notification cannot be set at naught by issue of circular. It will also not absolve the lessee from the violations committed in past under the then existing law.
- 18.** The definition of ‘sustainable development’ which Brundtland gave more than 3 decades back still holds good. The phrase covers the development that meets the needs of the present without compromising the ability of the future generation to meet their own needs.
- 19.** The grant of permission for mining and approving mining plan and the scheme by the Ministry of Mines, Government of India (IBM) by itself does not mean that mining operation can commence.
- 20.** The primary duty was to the community and that duty took precedence. In such cases, the obligation to the society must predominate over the obligation to the individuals.

21. It is also clarified that:-

- (i) The Court could review the decision-making process to ensure that the decision of MoEF is fair and fully informed, based on the correct principles, and free from any bias or restraint.
- (ii) The Court has declared that the National Forest Policy, 1988 which lays down far-reaching principles must necessarily govern the grant of permissions under Section 2 of the Forest (Conservation) Act, 1980 as the same provides the road map to ecological protection and improvement under the Environment (Protection) Act, 1986. The principles/guidelines mentioned in the National Forest Policy, 1988 should be read as part of the provisions of the Environment (Protection) Act, 1986 read together with the Forest (Conservation) Act, 1980.
- (iii) Development strategy should be such that environment is protected. Environment should be protected not only for present generation but is bequeathed to the future generation. **Therefore, policy should be in such a way that development is not related only to the growth of GNP but health and life of citizens as well as non-disturbance of ecosystem.**

**C.** The aforesaid facts establish disregard, nay, contempt for law and lawful authorities on the part of some among the emerging breed of entrepreneurs, taking advantage, as they do, of the country's need for industrialisation and export earnings. Pursuit of profit has absolutely drained them of any feeling for fellow human beings – for that matter, for anything else. And the law seems to have been helpless.

**D. Streamline the system:–**

It appears that there is system failure in implementing and ignoring the law. Such instances which have led many people in this country to believe that disregard of law pays and that the consequences of such disregard will never be visited upon them—particularly, if they are personalities with means. It appears that such strong words are also not sufficient to streamline the system failure. For this, strict actions are required to be taken against the persons who have failed to discharge their duties and non compliance of law.

**Hence, action should be taken against all concerned as discussed in this Chapter by following due process of law.**

## Annexure-I

**Total number of Leases of Iron and Manganese Ores adjacent or nearby perennial rivers / streams causing pollution and adversely affecting the natural habitat and other details.**

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
1	M/s Kamaljeet Singh Ahluwalia Baraiburu Tatiba Mines	250.76	EC not obtained	NO	The karo river is flowing along the mine lease boundary in the east direction. Besides this other seasonal nallah are also flowing in the lease boundary.	NO EC
2	M/s Kamaljeet Singh Ahluwalia Baraiburu Tatiba Mines	129.5	EC not obtained	No.10/163/FCE dt.28.04.1998 (01.05.1998) (2.03)	The karo river is flowing along the mine lease boundary in the east direction. Besides this other seasonal nallah are also flowing in the lease boundary.	NO EC
3	Shri Vijaykumar Ojha Mahabir Manganese Mining Project	21.19	J-11015/1043/2007-IA.II(M) dated. 14.07.2008	Non Forest area	The Barabaljori Nallah flowing along with the western boundary of mine lease. The Karo river is located at a distance of 1km from mine boundary	The Barabaljori Nallah and the Karo river are located at a distance of 1km and 8 km respectively from mine boundary

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
4	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Ankua Iron Ore Mines)	67.18	EC not obtained	NO	There are several seasonal nallah in and around the mining lease. The koina river flowing 11.5 km NW of lease boundary.	NO EC
5	Smt. Mitra Ghose/ shri Samir kumar Ghose	20.07	EC not obtained	No.10-151/FCE dt.19.05.1997 (10.056)	A seasonal nallah flowing in the southern side of mining lease.	NO EC
6	Shri Khatau Liladhar Thakkar	30.857	EC not obtained	Non Forest area	A perenial nallah flowing NS through the mining leasae.	NO EC
7	Shri Nirmal Kumar, Pradip Kumar	149.17	J-11015/15/2010-IA. II(M) dt. 21.12.2012 MLA - 149.7343 ha.	No.10-119/FEC dt.14.07.1995 (13.96)	Karo river is flowing at a distance of 1.2 km east and Koina at 6 km west to the mine lease area. There are several seasonal nallah in and around the mining lease.	Karo river is 2.75 km east and Koina river is 7.5 km NW

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
8	T P Sao, Ghatkuri.	202.35	EC not obtained	NO	There are several seasonal nallah in and around the mining lease.	NO EC
9	Rungta Mines Ltd. Merelgara-Barabaljori Iron & Manganese Ore Mining Project	122.02	J-11015/596/2007-IA.II(M) dated. 20.08.2008	NO Only 1.11 ha forest Land	The katrogara nallah and Betia Nallah are flowing in the buffer zone of the mine, at adistance of 700 m south-south east and 1 km west from the lease boundary. The karo Nadi is flowing at a distance of 9 km west of the mine lease.	The katrogara nalalah and Betia Nallah are flowing in the buffer zone of th emine, at adistance of 700 m south-south east and 2 km west from the lease boundary. The karo Nadi is flowing at a distance of 10 km west of the mine lease..
10	M/s R Mcdill & Co.Pvt.Ltd.	110.08	EC not obtained	NO	There are several seasonal nallah in and around the mining lease.	NO EC

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
11	M/s.Rameshwar Jute Mill Ltd., Baraiburu Tatiba Iron Ore & Manganese Ore Mining Project	259	J-11015/1147/2007-IA.II(M) dated 15.04.2011	No.10(21)2-2000-FC(pt) dt.11.12.2009 (23.233)	The karo Nadi is flowing at a distance of 60m west of the mine lease. In addition the Linture nallah is located adjacent to the mine boundary at adistance of 0.1 km.	The karo river, the koin ariver and the Sarako river are flowing in the buffer zone of mine at adistance of 1 km, 6.2 km and 8.2 km respectively from the mine lease boundary. In addition the Linture nallah is located adjacent to the mine boundary at adistance of 0.1 km.
12	Revti Raman Prasad and Anand Vardhan Prasad	33.7	EC not obtained	Non Forest area	There are perenial nallah flowing all around the mine lease .	NO EC

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
13	Singhbhum Minerals Co.	141.64	EC not obtained	NO	The Betlata nallah and the Karo river are flowing in the buffer zone of mine at a distance of 1.3 km east and 5 km west respectively from the mine lease boundary. There several seasonal nallah flowing westerly from the eastern boundary of the lease.	The Betlata nallah and the Karo river are flowing in the buffer zone of mine at a distance of 2.5 km east and 6 km west respectively from the mine lease boundary
14	M/s.SAIL, Dhobil Iron Ore Mining Project (Manoharpur Block)	512.95	J-11015/251/2009-IA.II(M) dated. 24.01.2012	No 8-20/1998/FC dt 21/10/1998	The koina river and the Hamsadagaar Nallah are flowing in the buffer zone of mine at a distance of 3.00 km.	The koina river and the Hamsadagaar Nallah are flowing in the buffer zone of mine at a distance of 3.25 km and 3.4 km respectively from the mine lease boundary.

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
15	Rungta Mines Ltd. Ghatkuri Iron Ore Minig Project	138.85	J-11015/198/2006-IA.II(M) dated 15.04.2008 and J-11015/57/2010-IA.II(M) dated 22.05.2013	No.8-63/1999/ FC dt.18.06.2011 (31.319)	The karo river and the koina ariver are located at a distance of 1.5 km and 5.75 km respectively.	The karo river and the koina ariver are located at a distance of 1.9 km and 6 km respectively.
16	M/s General Produce Ltd. Karampada Iron Ore Mines	155.78 (70.68)	EC not obtained	NO	There are several seasonal nallah originating from the mine lease and draining towards north.	NO EC
17	Shri Khushal Arjun Rathor	31.97	EC not obtained	NO	A season nallah passes through the lease boundary	NO EC
18	M/s.SAIL, Gua Ore Mines Gua, Topailore	13.76	EC not obtained	NO	The karo river is located at a distance of 6 km frm the mine lease	NO EC

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
19	Singhbhum Minerals co. Khasjamda Iron & Manganese Ore Mining Project (Transfer in the name of Ram Minerals Co.)	265.88	EC not obtained	No.10-156/FCE dt.13/25.11.1997 (18.69)	Seasonal nallahs originating from the mine lease draining towards NW	NO EC
20	Shri Anilkumar Khirval- Balaji Iron Ore Mining Project.	22.53	J-11015/142/2007-IA.II (M) dated 13.04.2011	12(21)5/2002 FCE dt.03.08.2009 (8.242)	The Betlata nallah is located in the buffer zone of the mine at a distance of 1.5 km west from the mine lease boundary. The karo river is out side the buffer zone at a distance of 15 km from the mine lease	The Betlata nallah is located in the buffer zone of the mine at a distance of 1.5 km west from the mine lease boundary. The karo river is out side the buffer zone at a distance of 15 km from the mine lease

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
21	M/s Shah Brothers Karampada Iron Ore Mining Project	233.89	J- 11015/24/2006-IA.II(M) dated 23.01.2007	No.8- 127/2002 /FC dt.19.05.2005 (24.856)	There are several seasonal nallah originating from the mine lease draining towards NW. The karo river flowing 3.75 km SE from the lease boundary.	Not mentioned
22	M/s Misrilal Jain & Sons. - Karampada Iron Ore Mining Project	202.3	J- 11015/318/2006-IA.II(M) dated 15.12.2008	No.8- 89/2005-FC dt.27.07.2007 (49.195)	The karo river is located at a distance of 1.5 km from the lease boundary in the eastern side.	The karo river is located at a distance of 1.8 km from the lease boundary.
23	M/s Devkabai Velji - Ajitburu Iron and Manganese Ore Mining Project	46.62	J- 11015/377/2007-IA.II(M) dated. 16.01.2009	No. 10- 219/FCE dt.01.01.2003 (15.57) No.10-219/FCE-1 dt. 10.04.2007 (15.57) and No.10-219/FCE-1 dt.26.05.2010 (16.846)	The karo river is flowing in the buffer zone of mine at a distance of 1.5 km from the lease boundary in the eastern side.	The karo river is flowing in the buffer zone of mine at a distance of 4.5 km from the lease boundary.

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
24	Shri Chandra Prasasd Sharda, Itarbaljori	57.47	EC not obtained	Non Forest area	There is perenial nallah flowing within the lease area in the nothern side of the lease boundary	NO EC
25	M/s.SAIL, Meghahatuburu Iron Ore Mine Project lease-II Railway siding & plant	879.43	J-11015/5/2006-IA.II (M) dated 27.12.2006 (Area 3949.47 combined with 3 other lease of Sail. i.e.(1) 1936.14 (2) 879.43 and (3) 81.97 ha)	No.8-57/2004/ FC dt.11.04.2005 (55.9)	Seasonal nallahs originating from the mine lease draining towards NW	Not Mentioned

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
26	M/s.SAIL, Meghahatuburu Iron Ore Mine Project lease-II Tailing dam	81.97 .	J- 11015/5/200 6-IA.II (M) dated 27.12.2006 (Area 3949.47 combined with 3 other lease of Sail. i.e.(1) 1936.14 (2) 879.43 and (3) 81.97 ha)	No. 8- 97/2001-FC dt.08.12.200 3 No.8- 19/2005 FC dt 11.04.2005 (24.23)	Seasonal nallahs originating from the mine lease draining towards NW	Not Mentioned
27	Revti Raman Prasad and Anand Vardhan Prasasd	62.43	EC not obtained	Non Forest area	There is a perennial nallah passes through the lease boundary.	NO EC

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
28	M/s Usha Martin Ltd. Vijay-II Iron Ore Mine - Ghatkuri	155.08	J- 11015/48/20 01-IA.II(M) dated 19.04.2005, J- 11015/507/ 2007-IA.II(M) dated 22.12.2008 and J- 11015/306/2 009-IA.II (M) dated 17.12.2009	No. 12/(21)51/04 /FCE dt 12.07.2005 (29.4648) And <b>No.8- 88/2007 - FC(pt) dt.25.02.2011</b> (29.4648)	The karo river and the koina river are flowing in the buffer zone of the mine at a distance of 1 km and 5 km respectively. In addition number of seasonal nalla originate from the hill top and drained towards the Karo river in the east side and Koina river in the west side.	The karo river and the koina river are flowing in the buffer zone of the mine at a distance of 1 km and 5 km respectively. In addition number of seasonal nalla originate from the hill top and drained towards the Karo river in the east side and Koina river in the west side.

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
29	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Maclilan Budhaburu Iron Ore Mines)	823.83	J- 11015/249/2 009-IA.II(M) Dt.23.03.2011	No.08- 251/1987/F C dt.15/12/19 87 has expired (635.986) Stage -1 clearance No.8- 70/2009-FC dt.09.03.201 1	The Hamsagar nallah is located in the buffer zone of the mine at a distance of 1 km. The Koina river is flowing in the buffer zone at a distance of 3 km from the mine lease.	The Hamsagar nallah is located in the buffer zone of the mine at a distance of 1 km. The Koina river is flowing in the buffer zone at a distance of 3.1 km from the mine lease. The karo river flowing outside of buffer zone at a distance of 12 km from the mine boundary.
30	Shri Anindita Traders & Investment Ltd. Parambaljori Iron and Manganese Ore Mining Project	47.15	J- 11015/82/20 08-IA.II (M) dated 15.02.2012	Non Forest area	The Betalata nalla of seasonal nature flow adjacent to the mine lease area at a distance of 150 m . Two tributaries of Betalata nallah are passing through the mine lease area in WNW and east direction	The Betalata nalla of seasonal nature flow adjacent to the mine lease area at a distance of 150 m . Two tributaries of Betalata nallah are passing through the mine lease area in WNW and east direction

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
31	M/s Orissa Manganese and Minerals Pvt. Ltd. Ghatkuri Iron Ore Mining Project	275.19	J-11015/488/2007-IA.II (M) dated 20.02.2009 and J-11015/12/2009 IA.II (M) dated 15.04.2010	No.8/76/1999/FC dt.21.10.2008 (141.447)	The karo river and the koina river are flowing in the buffer zone of the mine at a distance of 70m and west direction respectively. In addition a number of seasonal nalla originate from the hill top and drained towards the Karo river in the east side in different places in lower elevation.	The karo river and the koina river are flowing in the buffer zone of the mine at a distance of 1 km and west direction respectively. In addition a number of seasonal nalla originate from the hill top and drained towards the Karo river in the east side in different places in lower elevation.
32	M/s General Produce Ltd. Karampada Iron Ore Mines	163.90	EC not obtained	NO	The Koina river is flowing 1.20 km west of the lease boundary.	NO EC
33	Padamkumar Jain (Rajabera)	41.639	EC not obtained	Non Forest area	Image not Available	NO EC

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
34	M/s.SAIL, Meghatuburu Iron Ore Mine Project lease-I Mining Area	1936.1	J- 11015/5/200 6-IA.II (M) dated 27.12.2006 (Area 3949.47 combined with 3 other lease of Sail. i.e.(1) 1936.14 (2) 879.43 and (3) 81.97 ha)	No.8- 69/1991- dt 01.08.1996 (608.06) And No.8-96/97 -FC dt.01.12.199 7 (24.0) And F.no.8- 97/2001-Fc dt 08.12.2003 ( 8.7) And No.8- 69/1991-FC (pt) dt.29.03.201 0 (644.26) And F No.8- 537/1998-FC (pt) dt.18.10.201	Seasonal nallahs originating from the mine lease draining towards NW	Not Mentioned

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
35	M/s.SAIL, Gua Ore Mines Gua,Jilingburu-II	30.43	EC not obtained	No.10-144/FCE dt.11.06.1998 (8.958)	The Karo and Koina Rivers are flowing at adostance of 50 mand 300m respectively	NO EC
36	M/s.SAIL, Gua Ore Mines Gua,Jilingburu-I	210.44	EC not obtained	Yes FC dt 23/11/2000 No 8-75/1998/FC	The Karo and Koina Rivers are flowing at adostance of 50 mand 300m respectively	NO EC
37	M/s.SAIL, Gua Ore Mines Gua,Duaruibu u Mines	1443.8	J-11015/453/2008-IA. II(M) dt. 25.03.2013 MLA - 1443.756 ha.	No.8-251/1986/F C 15/12/1987 has expired	The Karo and Koina Rivers are flowing at adostance of 50 m and 300m respectively	The Karo river (1km), The Koina rivers (4.5 km) and the Sarako river (6.5 km) are reported to be located in the buffer zone of mine

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
38	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Sukriluturburu Iron Ore Mines)	609.57	J-11015/247/2009-IA. II(M) dt. 10.06.2013 MLA - 609.554 ha.	No.08-70/2009/FC dt.07/03/2011 over 33.400 ha.Stage -1 clearance No.8-70/2009-FC dt.09.03.2011	The koina river is flowing 7km east and one of the Koina tributary flowing 1.5 km in the south from the mine lease boundary.	The koina river and the Koli river are flowing in the buffer zone of the at a distance of 7 km and 9km respectively from the mine lease boundary. The Hamsadaagar Nallah is reported to flow in the buffer vzone of mine at adistance of 3.i km from the mine lease boundary.

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
39	M/s.SAIL, Ajitaburu Iron Ore Mining Project (Manoharapur Block) Chiria	323.83	J-11015/505/2007 1A.II(M) dt.31.03.2011	No.08-70/2009/FC dt.07/03/2011 over 153.036 ha. Stage -1 clearance No.8-70/2009-FC dt.09.03.2011	The Hemsadaggar (one of the koina tributary) passes through the norther boundary of lease. The Koina river is flowing 3.6 km NE from the mine lease.	The karo river and the koel river are flowing out side the buffer zone of the mine at a distance of 10.25 km and 10.5 km respectively. In addition the Koina river is flowing in the buffer zone ata distance of 3.6 km from the mine lease boundary. The Hemsadaggar Nallah is reported to flow adjucent to mine lease boundary.

Sr. NO	Name of Lessee & Lease	Total Area in (ha.)	EC Approval	FC approval (Yes Or No)	Distance from River / stream (As per Google)	Distance from River / stream (As per EC)
1	2	3	4	5	6	7
40	M/s. Tata Iron & Steel Co.Ltd. Noamundi Iron Mining Project	1160.4	J-11015/49/2003 IA.II (M) dated 06.04.2005 and J-11015/159/2007 IA.II (M) dated 26.08.2008	No.8-279/85-FC dt.23.04.1999 (346.49 and No.8-279/85-FC (Vol.I) dt.06.11.2007 (24.43)	The Balijore nallah is within the mine lease. In addition, the Kundra nallah, Jojo nallah, Mahadev Nallah are in the buffer zone of the mine reported to be located at adistance of 8 km, 1km. 1nd 5km respectively from the mine lease boundary.	The Balijore nallah is within the mine lease. In addition, the Kundra nallah, Jojo nallah, Mahadev Nallah are in the buffer zone of the mine reported to be located at adistance of 8 km, 1km. and 5km respectively from the mine lease boundary. The Karo river and Baitarni river are loacted at adistance of 11 km and 7 km respectively.
41	Shri Nirmal Kumar, Pradip Kumar- Bihar Iron Ore Mines	66.781	J-11015/32/2007 IA.II (M) dated. 21.12.2012	No.10-120/FCE dt.03.07.1996 (3.70)	Image not Available	Not mentioned

<b>Sr. NO</b>	<b>Name of Lessee &amp; Lease</b>	<b>Total Area in (ha.)</b>	<b>EC Approval</b>	<b>FC approval (Yes Or No)</b>	<b>Distance from River / stream (As per Google)</b>	<b>Distance from River / stream (As per EC)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
42	Shri Padamkumar Jain Thakurani Iron Ore Mining Project	84.68	J-11015/48/2006 IA.II (M) dated.24.09.2008	No.8-17/95-FC dt.29.10.1996 (32.94)	The kande nallah is flowing at adistance of 250 m from the mine lease. In addition the Betalata nallah and Karo river flowing in the buffer zone of the mine at a distance of 1.25 km and 9.2 km WNW respectively.	The kande nallah is flowing at adistance of 250 m from the mine lease. In addition the Betalata nallah and Karo river flowing in the buffer zone of the mine at a distance of 1.25 km and 9.2 km WNW respectively.

<b>Annexure - II</b>		
<b>List of 18 Lessees who have not obtained EC under EIA Notification</b>		
<b>Sr No.</b>	<b>Name of the Lessees and leases</b>	<b>Date of Expiry of Lease Period</b>
<b>1</b>	<b>2</b>	<b>3</b>
1	M/s.SAIL, Manoharpur Iron Ore Mine Chiriy (Ankua Iron Ore Mines), Manoharpur (67.18)	31/05/1992
2	Shri Khatau Liladhar Thakkar, Kumirta, Noamundi (30.84)	05/06/1973
3	T P Sao, Ghatkuri RF, Noamundi (202.35)	03/01/1993
4	M/s R Mcdill & Co. Karampada RF, Noamundi (110.08)	06/10/1975
5	Revti Raman Prasad and Anand Vardhan Prasad, Itarbaljori, Noamundi (33.7)	30/04/1996
6	Singhbhum Minerals Co. Karampada RF, Noamundi (141.64)	10/12/1996
7	M/s General Produce Ltd. Karampada Iron Ore Mines Block No. 15, Manoharpur (155.78)	12/10/2006
8	Shri Khushal Arjun Rathor, Noamundi PF, Noamundi (31.97)	10/11/1999
9	M/s.SAIL, Gua Ore Mines Gua, Topailore, Noamundi (13.76)	08/03/2000
10	Shri Chandra Prasad, Itarbaljori, Noamundi (57.47)	28/07/2003
11	Revti Raman Prasad and Anand Vardhan Prasad, Meralgadha and Noamundi Noamundi (62.43)	04/01/1984
12	Padamkumar Jain Rajabeda, Manoharpur (41.639)	28/02/2008
13	M/s.SAIL, Gua Ore Mines Gua, Jilingburu-II, Noamundi (30.43)	10/01/1981

<b>Sr No.</b>	<b>Name of the Lessees and leases</b>	<b>Date of Expiry of Lease Period</b>
<b>1</b>	<b>2</b>	<b>3</b>
14	M/s.SAIL, Gua Ore Mines Gua, Jilingburu-I, Noamundi (210.44)	24/03/1983
15	M/s Kamaljeet Singh Ahluwalia Baraiburu Tatiba Mines, Noamundi (250.763)	04/07/1989 ( Cancelled vide Letter No 272/2010 Date 27/08/2010 matter pending in HC)
16	M/s Kamaljeet Singh Ahluwalia Baraiburu Tatiba Mines, Noamundi ( 129.499)	04/09/1989 (Lease application cancelled on 13/06/2008 and revision application filed on 11.07.2008 which was expected on 15.09.2009 by MOM - GOI)
17	Smt. Mitra Ghose/ shri Samir kumar Ghose, Noamundi (20.07)	07/01/1993 (Rejected by State Govt on 27/07/2010)
18	M/s General Produce Ltd. Karampada Iron Ore Mines. Ghatkuri RF,Manoharpur (163.9)	11/01/1980 (Leased Cancelled on 15/03/1984 and as per HC order no RML filed before state government)

## Annexure - III

List of lessees showing year wise production (as given by Director of Mining & Geology, Indian Bureau of Mines and Lessee) of Iron ore who have not obtained Environment Clearance (EC).

Sr No	Name of Lessee & Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Iron (MT )	Production as per Submission of IBM for Iron (MT )	Production as per Submission of Lessee for Iron (MT)
1	2	3	4	5	6
1	Smt. Mitra Ghose/ shri Samir kumar Ghose, Noamundi (20.07)	07/01/1993 (Rejected by State Government on 27/07/2010)	1994-05 00 2005-06 11000 2006-07 15000 2007-08 36000 2008-09 79000 2009-11 00 2011-12 37000 <b>Total = 178000</b>	1993-94- 5785 1994-95- 8331 1995-96- 5482 1996-97- 6851 1997-98- 00 1998-99- 1775 1999-2000- 6164 2000-2001- 5583 2001-2002- 4770 2002-2003- 3430 2003-2004- 13162 2004-2005 - 12173 2005-2006- 10935 2006-2010 - 00 2010-2011- 2607 2011-2013- 00 Total :- <b>87048</b>	1994-06 00 2006-07 14635 2007-08 37070 2008-09 78511 2009-10 1310 2010-11 2607 2011-12 00 <b>Total = 134133</b>

Sr No	Name of Lessee & Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Iron (MT )	Production as per Submission of IBM for Iron (MT )	Production as per Submission of Lessee for Iron (MT)
1	2	3	4	5	6
2	Shri Khatau Liladhar Thakkar, Kumirta, Noamundi (30.84)	05/06/1973	1993-94 241 1994-95 128 1995-96 260 1996-97 300 1997-98 1170 1998-99 1657 1999-00 1014 2000-01 925 2001-02 483 2002-03 898 2003-04 3087 2004-05 4141 2005-06 8747 2006-07 10339 2007-08 14654 2008-09 5929 2009-10 4061 2010-11 13700 2011-12 3870 2012-13 00 <b>Total = 75604</b>	1993-95- 00 1995-96- 260 1996-97- 300 1997-98- 1170 1998-99- 1657 1999-2000- 1014 2000-2001- 925 2001-2002- 483 2002-2003- 898 2003-2004- 3087 2004-2005 - 4141 2005-2006- 8747 2006-2007 - 10339 2007-2008- 22192 2008-2009- 5929 2009-2010 - 4061 2010-2011- 13700 2011-2012- 3870 2012-2013- 00 <b>Total :- 82773</b>	1994-95 128 1995-96 260 1996-97 300 1997-98 1170 1998-99 1657 1999-00 1014 2000-01 925 2001-02 483 2002-03 898 2003-04 3087 2004-05 4141 2005-06 8747 2006-07 10339 2007-08 14654 2008-09 5929 2009-10 4061 2010-11 13700 2011-12 3870 <b>Total = 75363</b>

Sr No	Name of Lessee & Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Iron (MT )	Production as per Submission of IBM for Iron (MT )	Production as per Submission of Lessee for Iron (MT)
1	2	3	4	5	6
3	T P Sao, Ghatkuri RF, Noamundi (202.35)	03/01/1993	1993-94 14740 1994-12 00 <b>Total = 14740</b>	1993-94- 14740 1994-95- 518 1995-13- 00 <b>Total :- 15258</b>	
4	M/s R Mcdill & Co. Karampada RF, Noamundi (110.08)	06/10/1975	1993-94 00 1994-95 1036 1995-96 7716 1996-97 2702 1997-13 00 <b>Total = 11454</b>	1993-94- 00 1994-95- 1036 1995-96- 7716 1996-97- 2702 1997-13- 00 <b>Total :- 11454</b>	1994-95 1036 1995-96 7716 1996-97 2702 1997-12 00 <b>Total = 11454</b>
5	Singhbhum Minerals Co. Karampada RF, Noamundi (141.64)	10/12/1996	1993-94 2055.500 1994-13 00 <b>Total = 2055.500</b>	1993-94- 2055 1994-13 00 <b>Total :- 2055</b>	

<b>Sr No</b>	<b>Name of Lessee &amp; Lease</b>	<b>Date of Expiry of Lease Period</b>	<b>Production as per Submission of DMG for Iron (MT )</b>	<b>Production as per Submission of IBM for Iron (MT )</b>	<b>Production as per Submission of Lessee for Iron (MT)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
6	Shri Khushal Arjun Rathor, Noamundi PF, Noamundi (31.97)	10/11/1999	1993-94 48 1994-95 00 1995-96 2318 1996-97 2700 1997-98 821 1998-99 550 1999-13 00 <b>Total = 6437</b>		1994-95 00 1995-96 2318 1996-97 2700 1997-98 821 1998-99 550 1999-12 00 <b>Total = 6389</b>

Sr No	Name of Lessee & Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Iron (MT )	Production as per Submission of IBM for Iron (MT )	Production as per Submission of Lessee for Iron (MT)
1	2	3	4	5	6
7	Shri Chandra Prasad, Itarbaljori, Noamundi (57.47)	28/07/2003	1993-94 489.500 1994-95 647.00 1995-96 718.00 1996-97 633.500 1997-98 00 1998-99 205.500 1999-00 522.500 2000-01 565.00 2001-02 370.00 2002-03 648.00 2003-04 618.00 2004-05 821.00 2005-06 1606.450 2006-07 558.00 2007-08 00 2008-09 760.00 2009-10 665.00 2010-11 5747.00 2011-12 5248.510 <b>Total = 20822.96</b>	1993-94- 489 1994-95- 647 1995-96- 718 1996-97- 633 1997-98- 00 1998-99- 206 1999-00- 523 2000-01- 565 2001-02- 370 2002-03- 648 2003-04- 618 2004-2005 - 821 2005-2006- 1643 2006-2007 - 558 2007-2008- 00 2008-2009- 760 2009-2010 - 665 2010-2011- 5747 2011-2012- 5248 2012-2013- NIL(P) <b>Total :- 20859</b>	1994-95 647 1995-96 718 1996-97 633.500 1997-98 00 1998-99 205.500 1999-00 522.500 2000-01 565 2001-02 370 2002-03 648 2003-04 618 2004-05 821 2005-06 1606.450 2006-07 558 2007-08 00 2008-09 760 2009-10 665 2010-11 5747 2011-12 5248.510 <b>Total = 20333.46</b>

Sr No	Name of Lessee & Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Iron (MT )	Production as per Submission of IBM for Iron (MT )	Production as per Submission of Lessee for Iron (MT)
1	2	3	4	5	6
8	Padamkumar Jain Rajabeda, Manoharpur (41.639)	28/02/2008	1993-94 00 1994-95 1690 1995-96 27145 1996-97 6565 1997-98 20749.420 1998-99 27874.500 1999-00 5145 2000-04 00 2004-05 1105.558 2005-06 18323.658 2006-07 17712.974 2007-08 7707.047 2008-09 5706.976 2009-10 1024.930 2010-11 64375.386 2011-12 5680.330 2012-13 00 <b>Total 210805.779</b>	1993-94- 1887 1994-95- 1690 1995-96- 27145 1996-97- 11034 1997-98- 00 1998-99- 28699 1999-2000- 5145 2000-2005- 00 2005-2006- 18245 2006-2007 - 17713 2007-2008- 6811 2008-2009- 6914 2009-2010 - 1025 2010-2011- 64375 2011-2012- 5680 2012-2013- 00 <b>Total :- 196363</b>	1994-95 1690 1995-96 27145 1996-97 11034 1997-98 20563 1998-99 28699 1999-00 5145 2000-04 00 2004-05 1105.560 2005-06 18245.070 2006-07 17712.934 2007-08 7750.026 2008-09 6914.240 2009-10 1024.910 2010-11 64375.386 2011-12 00 <b>Total = 211404.126</b>

Grand Total Production (a) AS Submitted by DMG :- 519919.24 MT

(b ) As Submitted By IBM :- 415810 MT

(C) As Submitted by Lesseess :- 459076.58 MT

## Annexure - IV

List of lessees showing year wise production (as given by Director of Mining & Geology, Indian Bureau of Mines and Lessee) of Manganese ore who have not obtained Environment Clearance (EC).

Sr No	Name of Lessee and Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Mn (MT )	Production as per Submission of IBM for Mn (MT )	Production as per Submission of Lessee for Mn (MT)
1	2	3	4	5	6
1	M/s Kamaljeet Singh Ahluwalia Baraiburu Tatiba Mines, Noamundi (250.763)	04/07/1989 ( Cancelled vide Letter No 272/2010 Date 27/08/2010 matter pending in HC)	1994-95 610 1995-96 2140 1996-97 2051 1997-98 689.370 1998-12 00 <b>Total = 5490.370</b>		1994-95 1132 1995-96 2160 1996-97 2051 1997-98 689.370 1998-12 00 <b>Total = 6032.37</b>

Sr No	Name of Lessee and Lease	Date of Expiry of Lease Period	Production as per Submission of DMG for Mn (MT )	Production as per Submission of IBM for Mn (MT )	Production as per Submission of Lessee for Mn (MT)
1	2	3	4	5	6
2	M/s Kamaljeet Singh Ahluwalia Baraiburu Tatiba Mines, Noamundi ( 129.499)	04/09/1989 (Lease application cancelled on 13/06/2008 and revision application filed on 11.07.2008 which was expected on 15.09.2009 by MOM - GOI	1994-95 00 1995-96 2495 1996-97 2639.300 1997-98 2245.960 1998-99 979.460 1999-00 00 2000-01 60 2001-02 57 2002-03 25 2003-04 195 2004-05 1226 2005-07 00 2007-08 139.150 2008-09 43.200 2009-13 00 <b>Total = 10105.07</b>		1994-95 00 1995-96 2495 1996-97 2639.300 1997-98 2245.960 1998-99 979.460 1999-00 00 2000-01 60 2001-02 57 2002-03 25 2003-04 195 2004-05 1226 2005-07 00 2007-08 139.150 2008-09 43.200 2009-13 00 <b>Total = 10105.07</b>

**Grand Total Production :**

**(a) As Submitted by DMG - 15595.44 MT**

**(b) As Submitted by Lessess - 16137.44 MT**

**List of Lessess Showing year wise illegal and unlawful production of Iron and Manganese Ores done by them without obtaining EC under EIA Notification**

Sr No	Name of the Lessee & leases	Date of Expiry of Lease Period	Unlawful / Illegal production estimated based on DMG Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese Ore (MT )
1	2	3	4	5	6
1	Smt. Mitra Ghose/ shri Samir kumar Ghose, Noamundi (20.07)	07/01/1993 (Rejected by State Government on 27/07/2010)	1994-05 00 2005-06 11000 2006-07 15000 2007-08 36000 2008-09 79000 2009-11 00 2011-12 37000 <b>Total = 178000</b>	1993-94- 00 1994-95- 8331 1995-96- 5482 1996-97- 6851 1997-98- 00 1998-99- 1775 1999-00- 6164 2000-01- 5583 2001-02- 4770 2002-03- 3430 2003-04- 13162 2004-05 - 12173 2005-06- 10935 2006-10 - 00 2010-11- 2607 2011-13- 00 <b>Total :- 81263</b>	

Sr No	Name of the Lessee & leases	Date of Expiry of Lease Period	Unlawful / Illegal production estimated based on DMG Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese Ore (MT )
1	2	3	4	5	6
2	Shri Khatau Liladhar Thakkar, Kumirta, Noamundi (30.84)	05/06/1973	1993-94 00 1994-95 128 1995-96 260 1996-97 300 1997-98 1170 1998-99 1657 1999-00 1014 2000-01 925 2001-02 483 2002-03 898 2003-04 3087 2004-05 4141 2005-06 8747 2006-07 10339 2007-08 14654 2008-09 5929 2009-10 4061 2010-11 13700 2011-12 3870 2012-13 00 <b>Total = 75363</b>	1993-95- 00 1995-96- 260 1996-97- 300 1997-98- 1170 1998-99- 1657 1999-2000- 1014 2000-01- 925 2001-02- 483 2002-03- 898 2003-04- 3087 2004-05 - 4141 2005-06- 8747 2006-07 - 10339 2007-08- 22192 2008-09- 5929 2009-10 - 4061 2010-11- 13700 2011-12- 3870 2012-13- 00 <b>Total :- 82773</b>	

Sr No	Name of the Lessee & leases	Date of Expiry of Lease Period	Unlawful / Illegal production estimated based on DMG Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese Ore (MT )
1	2	3	4	5	6
3	T P Sao, Ghatkuri RF, Noamundi (202.35)	03/01/1993		1993-94- 00 1994-95- 518 1995-13- 00 <b>Total :- 518</b>	
4	Shri Khushal Arjun Rathor, Noamundi PF, Noamundi (31.97)	10/11/1999	1993-95 00 1995-96 2318 1996-97 2700 1997-98 821 1998-99 550 1999-13 00 <b>Total = 6389</b>		

Sr No	Name of the Lessee & leases	Date of Expiry of Lease Period	Unlawful / Illegal production estimated based on DMG Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese Ore (MT )
1	2	3	4	5	6
5	Shri Chandra Prasad, Itarbaljori, Noamundi (57.47)	28/07/2003	1993-94 00 1994-95 647.00 1995-96 718.00 1996-97 633.500 1997-98 00 1998-99 205.500 1999-00 522.500 2000-01 565.00 2001-02 370.00 2002-03 648.00 2003-04 618.00 2004-05 821.00 2005-06 1606.450 2006-07 558.00 2007-08 00 2008-09 760.00 2009-10 665.00 2010-11 5747.00 2011-12 5248.510 <b>Total = 20333.46</b>	1993-94- 00 1994-95- 647 1995-96- 718 1996-97- 633 1997-98- 00 1998-99- 206 1999-2000- 523 2000-01- 565 2001-02- 370 2002-03- 648 2003-04- 618 2004-05 - 821 2005-06- 1643 2006-07 - 558 2007-08- 00 2008-09- 760 2009-10 - 665 2010-11- 5747 2011-12- 5248 2012-13- 00 <b>Total :- 20370</b>	

Sr No	Name of the Lessee & leases	Date of Expiry of Lease Period	Unlawful / Illegal production estimated based on DMG Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron Ore (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese Ore (MT )
1	2	3	4	5	6
6	Padamkumar Jain Rajabeda, Manoharpur (41.639)	28/02/2008	1993-95 00 1995-96 27145 1996-97 6565 1997-98 20749.420 1998-99 27874.500 1999-00 5145 2000-04 00 2004-05 1105.558 2005-06 18323.658 2006-07 17712.974 2007-08 7707.047 2008-09 5706.976 2009-10 1024.930 2010-11 64375.386 2011-12 5680.330 2012-13 00 <b>Total = 209115.77</b>	1993-95- 00 1995-96- 27145 1996-97- 11034 1997-98- 00 1998-99- 28699 1999-2000- 5145 2000-2005- 00 2005-2006- 18245 2006-2007 - 17713 2007-2008- 6811 2008-2009- 6914 2009-2010 - 1025 2010-2011- 64375 2011-2012- 5680 2012-2013- 00 <b>Total :- 192786</b>	

**Grand Total of Unlawful and Illegal Production :-**

**(a) Iron for DMG :- 489201.23 MT**

**(b) Iron for IBM :- 377710 MT**

Annexure - VI			
List of 24 Leases who have obtained delayed EC under EIA Notification			
Sr No	Name of the lease	Quantity approved (MT)	
		EC Approval Order No. and Date	Upper limits From -- To
1	2	3	4
1	Shri Vijaykumar Ojha, BadaBaljori, Noamundi (21.19) Manganese	J - 11015 /1043/2007 IA. II(M) dt. 14/07/2008 Total MLA - 21.246 Ha	0 510.72
2	Shri Nirmal Kumar, Pradip Kumar, (Ghatkuri RF) Noamundi (149.173)	J - 11015/15/2010 IA. II(M) dt. 21/12/2012 Total MLA - 149.173 Ha	44000 403000
3	Rungta Mines (Meralgara), Meralgadha, Noamundi (122.02)	J - 11015/596/2007 IA. II(M) dt. 20/08/2008 Total MLA - 122.017 Ha	0 360000
4	Shri Rameshwar Jute Mills, Baraiburu, Noamundi (258.99)	J - 11015/1147/2007 IA. II(M) dt. 15/04/2011 Total MLA - 258.98968 Ha	<b>Iron</b> 30000 2260000 <b>Manganese</b> <b>300</b> <b>4000</b>
5	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Dhobil Iron Ore Mines), Budhaburu, Ankula RF, Manoharpur (512.95)	J - 11015/251/2009 IA. II(M) dt. 24/01/2012 Total MLA - 513.036 Ha	0 750000
6	Rungta Mines (Ghatkuri RF), Noamundi (138.85)	J - 11015/198/2006 IA. II(M) dt. 15/04/2008 Total MLA - 138.848 Ha	25000 1800000
		J - 11015/57/2010 IA. II(M) dt. 22/05/2013 Total MLA - 138.848 Ha	1800000 7552000
	Area 27.518 Ha (In Past)		
	Area 202.349 Ha (In Past)		

Sr No	Name of the lease	Quantity approved (MT)	
		EC Approval Order No. and Date	Upper limits From -- To
1	2	3	4
7	Singhbhum Minerals co. (Transfer in the name of Ram Minerals Co.) Khasjamda, Noamundi (265.88)	J - 11015/873/2007 IA. II(M) dt. 05/11/2008 Total MLA - 265.88 Ha	4200 100000
8	Shri Anilkumar Khirval, Bandhburu (Noamundi PF), Noamundi (22.53)	J - 11015/142/2007 IA. II(M) dt. 13/04/2011 Total MLA - 19.331 Ha	39000 74000
9	M/s Shah Brothers Karampada Iron Ore Mines, Karampada RF, Manoharpur (233.89)	J - 11015/24/2006 IA. II(M) dt. 23/01/2007 Total MLA - 233.99 Ha	60000 100000
10	M L Jain And Sons, Karampada RF, Noamundi (202.35)	J - 11015/318/2006 IA. II(M) dt. 15/12/2008 Total MLA - 202.03 Ha	0 90000
11	M/s Devkabai Velji Ghatkuri Iron Ore Mines, Ajitaburu Ghatkuri RF, Noamundi (46.62)	J - 11015/377/2007 IA. II(M) dt. 16/01/2009 Total MLA - 46.62 Ha	<b>Iron</b> 0 600000 <b>Manganese</b> 0 4275
12	M/s.SAIL, Meghahatuburu Iron Ore Mine Project lease- II Railway siding & plant, Karampada RF, Manoharpur (879.43)	J - 11015/05/ 2006 IA. II(M) dt. 27/12/2006 Total MLA - 3949.47 ha (combine with 3 other Lease of Sail)	0 5000000

Sr No	Name of the lease	Quantity approved (MT)	
		EC Approval Order No. and Date	Upper limits From -- To
1	2	3	4
13	M/s.SAIL, Meghahatuburu Iron Ore Mine Project lease-II Tailing dam, Kiriburu, Meghahatuburu, Karampada RF,Manoharpur (81.97 )	J - 11015/05/ 2006 IA. II(M) dt. 27/12/2006 Total MLA - 3949.47 ha { combine with 3 other Lease of Sail)	0 5000000
14	M/s Usha Martin Ghatkuri Iron Ore Mines, Ghatkuri RF, Noamundi (155.078)	J - 11015/48/2001 IA. II(M) dt. 19/04/2005 Total MLA - 155.078 Ha & Corrigendum Dt. 29/05/2006	0 650000
		J - 11015/507/2007 IA. II(M) dt. 22/12/2008 Total MLA - 155.078 Ha	650000 2500000
		J - 11015/306/2009 IA. II(M) dt. 17/12/2009 Total MLA - 155.078 Ha	2500000 4000000
15	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Maclilan Budhaburu Iron Ore Mines),Ankula RF, Manoharpur (823.83)	J - 11015/249/2009 IA. II(M) dt. 23/03/2011 Total MLA - 823.83 Ha	0 4200000
16	Shri Aninindata Traders & Investment Ltd. Parambaljodi, Noamundi (47.15)	J - 11015/82/2008 IA. II(M) dt. 15/02/2012 Total MLA - 47.15 Ha	0 133380

Sr No	Name of the lease	Quantity approved (MT)	
		EC Approval Order No. and Date	Upper limits From -- To
1	2	3	4
17	M/s Orissa Ghatkuri Iron Ore Manganese & Minerals. Ghatkuri RF, Noamundi (275.19)	J - 11015/488/2007 IA. II(M) dt. 20/02/2009 Total MLA - 275.52 Ha	0 600000
		J - 11015/12/2009 IA. II(M) dt. 15/04/2010 Total MLA - 275.52 Ha	600000 2000000
18	M/s.SAIL, Meghahatuburu Iron Ore Mine Project lease-I Mining Area. Kiriburu, Karampada RF, Manoharpur (1936.14)	Meghahatuburu J - 11015/05/ 2006 IA. II(M) dt. 27/12/2006 Total MLA - 3949.47 ha ( combine with 3 other Lease of Sail)	0 5000000
		J - 11015/05/ 2006 IA. II(M) dt. 27/12/2006 Total MLA - 3949.47 ha ( combine with 3 other Lease of Sail)	0 5000000
19	M/s SAIL, Gua Ore Mines Gua, Duaruiburu Mines (Ghatkuri RF) Noamundi (1443.76)	J - 11015/453/2008 IA. II(M) dt. 25/03/2013 Total MLA - 1443.76 Ha	0 12500000
20	M/s SAIL, Manoharpur Iron Ore Mines Chiriya (Sukriluturburu Iron Ore Mines) Ankula RF ,Manoharpur (609.57)	J - 11015/247/2009 IA. II(M) dt. 10/06/2013 Total MLA - 609.57 Ha	0 750000
21	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (AjitaburuIronOreMines ) Budhaburu AnkulaRF, Manoharpur (323.83)	J - 11015/505/2007 IA. II(M) dt. 31/03/2011 Total MLA - 323.83 Ha	0 2800000

Sr No	Name of the lease	Quantity approved (MT)	
		EC Approval Order No. and Date	Upper limits From -- To
1	2	3	4
22	Tata Steel Ltd. Noamundi (1160.36)	J - 11015/49/2003 IA. II(M) dt. 06/04/2005 Total MLA - 1160.06 Ha	4650000 7600000
		J - 11015/159/2007 IA. II(M) dt. 26/08/2008 Total MLA - 1160.06 Ha	7600000 10000000
23	Shri Nirmal Kumar, Pradip Kumar, (Meraigaraha) Noamundi (66.781)	J - 11015/32/2010 IA. II(M) dt. 21/12/2012 Total MLA - 66.781 Ha	62000 343000
24	Padamkumar Jain Thakurani Noamundi (84.68)	J - 11015/48/2006 IA. II(M) dt. 24/09/2008 Total MLA - 84.68 Ha	47000 1300000

## Annexure - VII

List of Lessees showing yearwise production (given by Director of Mining & Geology, Indian Bureau of Mines and Lessee) of Iron Ore who have obtained delayed Environmental Clearance (EC) under EIA Notification

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
1	Rungta Mines(Meralgar a), Meralgadha, Noamundi (122.02)	J - 11015/596/2007 IA. II(M) dt. 20/08/2008 Total MLA - 122.017 Ha	0 360000	1993 -97 00 1997-98 295 1998-99 303 1999-05 00 2005-06 5350.910 2006-07 407405.890 2007-08 150859.450 2008-09 221165.160 2009-10 88222.540 2010-11 56201.930 2011-12 19393.310 2012- 13 54887.680 <b>Total = 1004084.87</b>	1993-98- 00 1998-99- 303 1999-2006- 00 2006-2007 - 407406 2007-2008- 150859 2008-2009- 221165 2009-2010 - 88223 2010-2011- 56202 2011-2012- 19393 2012-2013- 44177(P) <b>Total :- 987728</b>	1994-97 00 1997-98 295 1998-99 303 1999-05 00 2005-06 5350.91 2006-07 407405.890 2007-08 150859.450 2008-09 221165.160 2009-10 88222.540 2010-11 56201.930 2011-12 19393.310 <b>Total = 949197.19</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
2	Shri Rameshwar Jute Mills, Baraiburu, Noamundi (258.99)	J - 11015/1147/2007 1A. II(M) dt. 15/04/2011 Total MLA - 258.98968 Ha	<b>Iron</b> 30000 2260000 <b>Manganese 300 4000</b>	1993 - 94 5546 1994-95 7659 1995-96 21104 1996-97 27205 1997-98 784 1998-99 3242 1999-00 4056 2000-01 774 2001-02 25 2002-03 135 2003-04 50 2004-05 120 2005-06 360 2006-07 2000 2007-08 234339 2008-09 253316 2009-10 180616 2010-11 210299 2011-12 18888 2012 13 00 <b>Total = 970518</b>	1993-94- 5545 1994-95- 7659 1995-98 - 00 1998-99- 3241 1999-2000- 3856 2000-2001- 774 2001-2004- 00 2004-2005 - 120 2005-2006- 360 2006-2007 -2000 2007-2008- 234339 2008-2009- 253317 2009-2010 - 180616 2010-2011- 210299 2011-2012- 18888 2012-2013- 00 <b>Total :- 921014</b>	1994-95 7659 1995-96 21104 1996-97 27205 1997-98 784 1998-99 3242 1999-00 4056 2000-01 774 2001-02 25 2002-03 135 2003-04 50 2004-05 120 2005-06 360 2006-07 2000 2007-08 234339 2008-09 253316 2009-10 180616 2010-11 210298 2011-12 18888 <b>Total = 964971</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
3	M/s.SAIL, Manoharpur Iron Ore Mine Chiriyā (Dhobil Iron Ore Mines),Budhaburu, Ankularf, Manoharpur (512.95)	J - 11015/251/2009 1A. II(M) dt. 24/01/2012 Total MLA - 513.036 Ha	0 750000	1993 -94 00 1994-95 92974.450 1995-96 68261.580 1996-97 155183.400 1997-98 97722.100 1998-99 102940.600 1999-00 142564.900 2000-01 336994.500 2001-02 282810.000 2002-03 273463.300 2003-04 300328.700 2004-05 311058.700 2005-06 438590.000 2006-07 790127.200 2007-08 964527.000 2008-09 558748.980 2009-10 683968.000 2010-11 305035.000 2011-12 304945.000 <b>Total = 6210243.41</b>	1993-2001- 00 2001-2002- 254972 2002-2003- 191424 2003-2004- 210230 2004-2005 - 217726 2005-2006- 307013 2006-2007 - 821917 2007-2008- 964527 2008-2009- 558749 2009-2010 - 683968 2010-2011- 313846 2011-2012- 348855 2012-2013- 306826(P) <b>Total :- 5180053</b>	1994-08 00 2008-09 558749 2009-10 683969 2010-11 229663 2011-12 312 <b>Total = 472693</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
4	Rungta Mines (Ghatkuri RF). Noamundi (138.85)	J - 11015/198/2006 1A. II(M) dt. 15/04/2008 Total MLA - 138.848 Ha and J - 11015/57/2010 1A. II(M) dt. 22/05/2013 Total MLA - 138.848 Ha	25000 1800000 and 1800000 7552000	1993-94 30454 1994-95 20035 1995-96 58243 1996-97 46200 1997-98 28000 1998-99 49000 1999-01 00 2001-02 8341 2002-03 50676 2003-04 170866.300 2004-05 533049 2005-06 474121 2006-07 615470.740 2007-08 883584.125 2008-09 1590639.145 2009-10 1707503.355 2010-11 1504869.220 2011-12 1743541.900 2012-13 1709281.990 <b>Total =11223875.780</b>	1993-94- 29572 1994-95- 18224 1995-96-55662 1996-98- 00 1998-99- 33500 1999-2001- 00 2001-2002- 8341 2002-2003-50676 2003-2004-170866 2004-2005 -533049 2005-2006- 474121 2006-2007 -615471 2007-2008-883584 2008-2009-1590639 2009-2010 -1707503 2010-2011-1504869 2011-2012-1743542 2012-2013-1569297(P) <b>Total :- 10988916</b>	1994-01 00 2001-02 8341 2002-03 50676 2003-04 170866.3 2004-05 533049 2005-06 474121 2006-07 615470.743 2007-08 883584.125 2008-09 1590639.145 2009-10 1707503.355 2010-11 1504869.220 2011-12 1743541.900 <b>Total= 9282661.788</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
	Area 27.518 Ha (In Past)			1994-95 00 1995-96 2581 1996-97 00 1997-98 28000 1998-99 15500 1999-01 00 <b>Total = 46081</b>		1994-95 1811 1995-96 2581 1996-97 00 1997-98 28000 1998-99 15500 1999-00 00 <b>Total = 47892</b>
	Area 202.349 Ha (In Past)			1994-95 18224 1995-96 55662 1996-97 46200 1997-98 00 1998-99 33500 <b>Total = 153586</b>		1994-95 18224 1995-96 55662 1996-97 46200 1997-98 00 1998-99 33500 1999-00 00 <b>Total = 153586</b>
5	Singhbhum Minerals co. ( Transfer in the name of Ram Minerals Co.) Khasjamda, Noamundi (265.88)	J - 11015/873/2007 IA. II(M) dt. 05/11/2008 Total MLA - 265.88 Ha	4200 100000	1993-03 00 2003-04 4155.577 2004-05 59590.57 2005-06 52384.815 2006-07 174.400 2007-08 00 2008-09 4400 2009-10 135291 2010-11 597186 2011-12 183642.470 2012-13 0.99 <b>Total = 1036825.822</b>	1993-02- 00 2002-2003- 1610 2003-2004- 4156 2004-2005 - 15378 2005-2006- 50000 2006-2007 - 174400 2007-2008- 00 2008-2009- 4400 2009-2010 - 135291 2010-2011- 597186 2011-2012- 140927 2012-2013- 67575(P) <b>Total :- 1190923</b>	1994-03 00 2003-04 4155.577 2004-05 59590.057 2005-06 52384.815 2006-07 35040.250 2007-08 00 2008-09 4400 2009-10 796291.210 2010-11 202066.41 2011-12 125111.100 <b>Total 1279039.419</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
6	Shri Anilkumar Khirval, Bandhburu(No amundi PF), Noamundi (22.53)	J - 11015/142/2007 1A. II(M) dt. 13/04/2011 Total MLA - 19.331 Ha	39000 74000	1993-94 15461.00 1994-95 12085.00 1995-96 24101.00 1996-97 20756.00 1997-98 16178.00 1998-99 688.00 1999-01 00 2001-02 3540.00 2002-04 00 2004-05 59644.00 2005-09 00 2009-10 5875.840 2010-11 6936.760 2011-12 5022.470 2012-13 225.450 <b>Total = 170513.52</b>	1993-94- 15461 1994-95- 12085 1995-96- 24101 1996-12- 00 2012-2013- 225(P) <b>Total :- 51872</b>	1994-95 12085 1995-96 24101 1996-97 20756 1997-98 16178 1998-99 688 1999-01 00 2001-02 3540 2002-03 00 2003-04 21000 2004-05 38644 2005-09 00 2009-10 5876 2010-11 6937 2011-12 5022 <b>Total = 154827</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
7	M/s Shah Brothers Karampada Iron Ore Mines, Karampada RF, Manoharpur (233.89)	J - 11015/24/2006 1A. II(M) dt. 23/01/2007 Total MLA - 233.99 Ha	60000 100000	1993-94 413 1994-95 737 1995-96 1131 1996-97 4965 1997-98 21389 1998-99 16203 1999-00 6095 2000-01 3881 2001-02 9300.57 2002-03 150 2003-04 64632 2004-05 232061 2005-06 115810 2006-07 00 2007-08 99980 2008-09 99860 2009-10 99935 2010-11 99865 2011-12 78574.960 2012-13 98326 <b>Total = 1053308.53</b>	1993-94-382 1994-95-737 1995-98- 00 1998-99- 23968 1999-2000- 16498 2000-2003- 00 2003-2004- 64632 2004-2005 - 232061 2005-2006- 1287006 2006-2007 - 33300 2007-2008- 551490 2008-2009- 719576 2009-2010 - 721199 2010-2011- 986673 2011-2012- 78575 2012-2013- 94370(P) <b>Total :- 4810467</b>	1994-95 737 1995-96 1131 1996-97 4965 1997-98 21389 1998-99 16203 1999-00 6095 2000-01 3881 2001-02 9300.570 2002-03 150 2003-04 64632 2004-05 60990 2005-06 115810 2006-07 00 2007-08 99980 2008-09 99860 2009-10 99935 2010-11 99865 2011-12 78574.96 <b>Total 783498.53</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
8	M L Jain And Sons. Karampada RF, Noamundi (202.35)	J - 11015/318/2006 IA. II(M) dt. 15/12/2008 Total MLA - 202.03 Ha	0 90000	1993-94 00 1994-95 18738 1995-96 53947 1996-97 42446 1997-98 21416 1998-99 26403 1999-00 38777 2000-01 28361 2001-02 1806 2002-03 7754 2003-04 117187 2004-05 35121 2005-07 00 2007-08 3984.565 2008-09 293090.700 2009-10 216264.460 2010-11 176123 2011-12 186890.240 2012-13 00 <b>Total = 1268308.965</b>	1993-94- 22243 1994-95- 18738 1995-96- 53947 1996-97- 42446 1997-98- 00 1998-99- 26403 1999-2000- 38777 2000-2001- 28361 2001-2002- 1806 2002-2003- 7754 2003-2004- 117187 2004-2005 - 35121 2005-2007- 00 2007-2008- 3985 2008-2009- 293091 2009-2010 - 216265 2010-2011- 89910 2011-2012- 89975 2012-2013- 58995(P) <b>Total :- 1145004</b>	1994-95 18738 1995-96 53947 1996-97 42446 1997-98 21414 1998-99 26403 1999-00 38777 2000-01 28361 2001-02 1806 2002-03 7754 2003-04 117187 2004-05 35121 2005-07 00 2007-08 3984.565 2008-09 34111.510 2009-10 89954.820 2010-11 89910 2011-12 89975 <b>Total= 699889.895</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
9	M/s Devkabai Velji Ghatkuri Iron Ore Mines, Ajitaburu Ghatkuri RF, Noamundi (46.62)	J - 11015/377/2007 IA. II(M) dt. 16/01/2009 Total MLA - 46.62 Ha	<b>Iron</b> 0 600000 <b>Manganese</b> 0 4275	1993-95 00 1995-96 3905.563 1996-97 4726.578 1997-98 00 1998-99 959 1999-00 2396.334 2000-03 00 2003-04 7438.200 2004-05 1800 2005-07 00 2007-08 300787.008 2008-09 345200 2009-10 300900 2010-11 404065.640 2011-12 514640 2012-13 599213.830 <b>Total = 2486032.153</b>	1993-98- 00 1998-99- 2592 1999-2000- 4610 2000-2003- 00 2003-2004- 7540 2004-2005 - 1800 2005-2007- 00 2007-2008- 317937 2008-2009- 345200 2009-2010 - 300900 2010-2011- 440370 2011-2012- 550045 2012-2013- 558139(P) <b>Total :- 2529133</b>	1994-07 00 2007-08 317937.01 2008-09 345200 2009-10 300900 2010-11 440370 2011-12 00 <b>Total= 1404407.01</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
10	M/s Usha Martin Ghatkuri Iron Ore Mines, Ghatkuri RF, Noamundi (155.078)	J - 11015/48/2001 IA. II(M) dt. 19/04/2005 Total MLA - 155.078 Ha & Corrigendum Dt. 29/05/2006	0 650000	1993-05 00 2005-06 131777.080 2006-07 648571.180 2007-08 649972.180 2008-09 995629.630 2009-10 1258029.610 2010-11 1593087.050 2011-12 1476961.880 2012-13 1634013.260 <b>Total = 8388041.87</b>	1993-06- 00 2006-2007 -648591 2007-2008- 889932 2008-2009- 1335578 2009-2010 - 1258030 2010-2011- 1707420 2011-2012- 1476962 2012-2013- 1469682 <b>Total :- 8786195</b>	1994-05 00 2005-06 131777.08 2006-07 648571.18 2007-08 649972.18 2008-09 995629.63 2009-10 1258029.61 2010-11 1593087.05 2011-12 1476961.88 <b>Total= 6754082.61</b>
		J - 11015/507/2007 IA. II(M) dt. 22/12/2008 Total MLA - 155.078 Ha	650000 2500000			
		J - 11015/306/2009 IA. II(M) dt. 17/12/2009 Total MLA - 155.078 Ha	2500000 4000000			

Sr No	Name of the Lessees & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
11	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Maclilan Budhaburu Iron Ore Mines), Ankula RF, Manoharpur (823.83)	J - 11015/249/2009 1A. II(M) dt. 23/03/2011 Total MLA - 823.83 Ha	0 4200000		1993-01- 00 2001-2002- 4497 2002-2003- 15509 2003-2004- 39722 2004-2005 - 97193 2005-2006- 134566 2006-2013 - 00 <b>Total:- 291487</b>	1994-95 131975.1 1995-96 113526.3 1996-97 70294.3 1997-98 127526.5 1998-99 9104.72 1999-00 11775.25 2000-01 18224.21 2001-02 5140.17 2002-03 22155.37 2003-04 56746.29 2004-05 138826.6 2005-06 192236.4 2006-12 00 <b>Total = 897531.21</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
12	M/s Orissa Ghatkuri Iron Ore Manganese & Minerals. Ghatkuri RF, Noamundi (275.19)	J - 11015/488/2007 IA. II(M) dt. 20/02/2009 Total MLA - 275.52 Ha	0 600000	1993-95 00 1995-96 22879 1996-97 30355.00 1997-08 00 2008-09 180482.6 2009-10 1214072.022 2010-11 943732.76 2011-12 910486.96 2012-13 928266.92 <b>Total = 4230275.262</b>	1993-08- 00 2008-2009- 180481 2009-2010 -1214072 2010-2011- 1264777 2011-2012- 1076874 2012-2013-831054(P) <b>Total :- 4567258</b>	1994-95 00 1995-96 22879 1996-97 30355.880 1997-08 00 2008-09 180481.61 2009-10 1214072.03 2010-11 1264778.201 2011-12 00 <b>Total = 2712566.721</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
13	M/s.SAIL, Meghahatuburu Iron Ore Mine Project lease-1 Mining Area. Kiriburu, Karampada RF, Manoharpur (1936.14)	J - 11015/05/ 2006 1A. II(M) dt. 27/12/2006 Total MLA - 3949.47 ha (combine with 3 other Lease of Sail)	0 5000000	1993 -94 2672333 1994-95 2828794 1995-96 2940900 1996-97 3422495 1997-98 3553230 1998-99 3295004 1999-00 2859394 2000-01 2666882 2001-02 2904179 2002-03 3184766 2003-04 3565995 2004-05 3574103 2005-06 3852453 2006-07 3961721 2007-08 4130689 2008-09 3677078 2009-10 3658419 2010-11 3754745 2011-12 3984023 2012-13 3623314 <b>Total =68110517</b>	<b>MEGHAHATUBURU</b> 1993-94- 2915740 1994-95-3329960 1995-96- 3500735 1996-97-3736785 1997-98- 00 1998-99-3442995 1999-2000-3122325 2000-2001-2948085 2001-2002-3168810 2002-2003-3458925 2003-2004-3817170 2004-2005-3749085 2005-2006-4048470 2006-2007-4173525 2007-2008-4466745 2008-2009-4055490 2009-2010-3960000 2010-2011-4110120 2011-2012-4286700 2012-2013 - 37425609(p) <b>Total :-103717274</b>	1994-06 00 2006-07 3961721 2007-08 4130689 2008-09 3677078 2009-10 3658419 2010-11 3754745 2011-12 00 <b>Total = 19182652</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
		J - 11015/05/ 2006 1A. II(M) dt. 27/12/2006 Total MLA - 3949.47 ha (combine with 3 other Lease of Sail)	0 5000000	1993-94 2505153 1994-95 3108972 1995-96 3153485 1996-97 3179679 1997-98 3318644 1998-99 3485843 1999-00 3207600 2000-01 2955982 2001-02 3446861 2002-03 3603172 2003-04 3608902 2004-05 3618085 2005-06 3700050 2006-07 3956242 2007-08 4201839.15 2008-09 3955805.510 2009-10 3772481 2010-11 3836776 2011-12 3526985 2012-13 3373449 <b>Total = 69516005.66</b>	<b>KIRUBURU</b> 1993-94-2567094 1994-95- 3104722 1995-96- 3138913 1996-97- 3174976 1997-98- 00 1998-99- 3485843 1999-2000-3207600 2000-2001-3590055 2001-2002-3982725 2002-2003-4170600 2003-2004-4307265 2004-2005-4430115 2005-2006- 00 2006-2007-4696425 2007-2008-4935875 2008-2009-4525570 2009-2010-4111830 2010-2011-4380210 2011-2012-3848850 2012-2013-3361455(P) <b>Total :- 69020123</b>	1994-95 5937766 1995-96 6094385 1996-97 6602174 1997-98 6871874 1998-99 6780847 1999-00 6066994 2000-01 5622864 2001-02 6351038 2002-03 6787938 2003-04 7174897 2004-05 7192188 2005-06 7552503 2006-07 7917963 2007-08 8332528 2008-09 7632884 2009-10 7430900 2010-11 7591521 2011-12 7511008 <b>Total =125452272</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
14	Tata Steel Ltd. Noamundi (1160.36)	J - 11015/49/2003 IA. II(M) dt. 06/04/2005 Total MLA - 1160.06 Ha J - 11015/159/2007 IA. II(M) dt. 26/08/2008 Total MLA - 1160.06 Ha	4650000 7600000 and 7600000 1000000 0	1993-94 3450213 1994-95 4040435 1995-96 4040366 1996-97 4020617 1997-98 4146999 1998-99 3971803 1999-00 4194821 2000-01 4603399 2001-02 4756607 2002-03 4856156 2003-04 4279352 2004-05 5217941 2005-06 5005469 2006-07 4560201 2007-08 4456437 2008-09 3948665 2009-10 5439520 2010-11 5210884 2011-12 4066646 2012-13 4040435 Total - 88206966	1993-94- 3547600 1994-95- 4066100 1995-96- 4347655 1996-97- 4316600 1997-98- 00 1998-99- 4487550 1999-2000- 4635017 2000-2001- 5114050 2001-2002- 4909000 2002-2003- 5085838 2003-2004- 4947857 2004-2005 -5445774 2005-2006- 5072015 2006-2007 - 5025883 2007-2008- 5289401 2008-2009- 4911345 2009-2010 - 6076134 2010-2011- 6250948 2011-2012- 4837062 2012-2013-3783709 Total : 92149538	1994-95 4040434.576 1995-96 4040365.953 1996-97 4020616.797 1997-98 4146998.74 1998-99 3971803.32 1999-00 4194820.68 2000-01 4603398.715 2001-02 4756607.024 2002-03 4856155.84 2003-04 4279352.06 2004-05 5037940.955 2005-06 5005469.41 2006-07 4560201.47 2007-08 4456437.44 2008-09 4398664.67 2009-10 5439423.05 2010-11 5210884.32 2011-12 4066646.09 2012-13 4241483.95 <b>Total=85327705.06</b>

Sr No	Name of the Lessees & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
15	Shri Nirmal Kumar, Pradip Kumar, (Meralgaraha) Noamundi (66.781)	J - 11015/32/2010 1A. II(M) dt. 21/12/2012 Total MLA - 66.781 Ha	62000 343000	1993-94 10145 1994-95 00 1995-96 10410 1996-97 7755 1997-98 27959 1998-99 16950 1999-00 7000 2000-02 00 2002-03 10749.500 2003-04 17328.950 2004-05 7862.110 2005-06 28759.770 2006-07 31612.840 2007-08 112858.260 2008-09 132745.810 2009-10 49436.472 2010-11 43346.320 2011-12 9012 2012-13 00 <b>Total = 523931.032</b>	1993-94- 10135 1994-95- 00 1995-96- 10410 1996-98- 00 1998-99- 16950 1999-2000- 7000 2000-2002- 00 2002-2003- 10749 2003-2004- 17329 2004-2005 - 7862 2005-2006- 28664 2006-2007 - 31613 2007-2008- 112858 2008-2009- 132746 2009-2010 - 49436 2010-2011- 43346 2011-2012- 9012 2012-2013- 00 <b>Total :- 488110</b>	1994-95 00 1995-96 10410 1996-97 7755 1997-98 27959 1998-99 16950 1999-00 7000 2000-02 00 2002-03 10749.500 2003-04 17328.950 2004-05 7862.110 2005-06 28759.770 2006-07 31612.840 2007-08 112858.260 2008-09 132745.810 2009-10 49436.472 2010-11 43346.320 2011-12 9012 <b>Total =513786.032</b>

Sr No	Name of the Lessees & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
16	Padamkumar Jain Thakurani Noamundi (84.68)	J - 11015/48/2006 IA. II(M) dt. 24/09/2008 Total MLA - 84.68 Ha	47000 1300000	1993-94 00 1994-95 39332 1995-96 39328 1996-97 34343 1997-98 34102 1998-99 42243 1999-00 5789 2000-01 6123 2001-02 14785 2002-03 31160.300 2003-04 442990.190 2004-05 922675.560 2005-06 1104360.950 2006-07 1671910.170 2007-08 1982055.955 2008-09 2013875.955 2009-10 1920027.560 2010-11 1685441.670 2011-12 1299848.880 2012-13 00 <b>Total = 13290392.19</b>	1993-94- 18491 1994-95- 23813 1995-96- 55004 1996-97- 68722 1997-98- 00 1998-99- 15645 1999-2000- 5653 2000-2001- 18836 2001-2002- 14785 2002-2003- 13160 2003-2004- 44290 2004-2005 - 922675 2005-2006- 1104360 2006-2007 - 1671910 2007-2008- 1982056 2008-2009- 2013876 2009-2010 -1920028 2010-2011- 1685441 2011-2012- 1299849 2012-2013- 00 <b>Total :-12878594</b>	1994-95 23813 1995-96 55004.500 1996-97 33931.520 1997-98 21171 1998-99 15645.100 1999-00 5653 2000-01 18836 2001-02 14785 2002-03 12960.300 2003-04 442990.190 2004-05 922675.560 2005-06 1104360.950 2006-07 1671910.170 2007-08 1982055.955 2008-09 2013875.865 2009-10 1920027.560 2010-11 1685441.670 2011-12 1299848.880 <b>Total 13244986.22</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
17	Shri Nirmal Kumar, Pradip Kumar, Ghatkuri RF, Noamundi (149.173)	j - 11015/15/2010 1A -IIA(M) DT.21.12.2012 Total MLA 149.173 (Ha)	44000 403000	1993-94 1334.800 1994-95 00 1995-96 8655.880 1996-97 12283.900 1997-98 3845 1998-99 6796.400 1999-00 6116.200 2000-01 26783.600 2001-02 12093.660 2002-03 3751.304 2003-04 273329.450 2004-05 522942.700 2005-06 649190.930 2006-07 637340.560 2007-08 476246.380 2008-09 628841.520 2009-10 283267.610 2010-11 298561.330 2011-12 82050 2012-13 314224.000 <b>Total = 4247655.224</b>	1993-94- 1335 1994-95- 00 1995-96- 2655 1996-98- 00 1998-99- 6796 1999-2000- 6116 2000-2001- 26784 2001-2002- 12093 2002-2003- 3751 2003-2004- 222610 2004-2005 - 522942 2005-2006- 649191 2006-2007 - 637341 2007-2008- 476246 2008-2009- 628841 2009-2010 - 283268 2010-2011- 298561 2011-2012- 82050 2012-2013- 14430 <b>Total :- 3875010</b>	1994-95 00 1995-96 8655.880 1996-97 12283.900 1997-98 3845.000 1998-99 6796.400 1999-00 6116.200 2000-01 26783.600 2001-02 12093.660 2002-03 3751.304 2003-04 273329.450 2004-05 522942.700 2005-06 649190.930 2006-07 637340.560 2007-08 476246.380 2008-09 628841.520 2009-10 283267.610 2010-11 298561.330 2011-12 00 <b>Total = 3850046.424</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
18	M/s.SAIL, Gua Ore Mines Gua, Duaruibu Mines Ghatkuri RF), Noamundi (1443.76)	J - 11015/453/2008 1A. II(M) dt. 25/03/2013 Total MLA - 1443.76 Ha	<b>Iron</b> 0 1250000 <b>Mangane</b> <b>se</b> <b>0</b>	1993-94 00 1994-95 2602673.760 1995-96 1919543.600 1996-97 2113189.500 1997-98 884366.100 1998-99 842552.000 1999-00 1097493.020 2000-01 1627207.600 2001-02 1473966.000 2002-03 154481.560 2003-04 1442309.500 2004-05 1470080.000 2005-06 2301692.880 2006-07 1617383.650 2007-08 1871004.710 2008-09 1117912.550 2009-10 1589149.750 2010-11 1637493.250 2011-12 448397.000 2012-13 00 <b>Total =26210896.43</b>	1993-94- 2898187 1994-95- 2592774 1995-96- 3418991 1996-97- 3893546 1997-98 -2972266 1998-99- 2848498 1999-2000- 2952573 2000-2001- 2790963 2001-2002- 2699358 2002-2003- 2602134 2003-2004- 2546155 2004-2005 - 2282192 2005-2006- 2620667 2006-2007 - 2370140 2007-2008- 2584090 2008-2009- 2584090 2009-2010 - 2147645 2010-2011- 2378504 2011-2012-543562 2012-2013- 00 <b>Total :- 49726335</b>	1994-08 00 2008-09 12000 2009-10 00 2010-11 40000 2011-12 8000 <b>Total = 60000</b>

Sr No	Name of the Lessees & leases & Area (ha)	MoEF Approval Order, Date & Area	EC Production limit (MT)	Production as per Submission of DMG for Iron Ore (MT )	Production as per Submission of IBM for Iron Ore (MT )	Production as per Submission of Lessee for Iron Ore (MT)
1	2	3	4	5	6	7
19	M/s.SAIL, Manoharpur Iron Ore Mine Chiriya (Sukriluturburu Iron Ore Mines).Ankula RF, Manoharpur (609.57)	J - 11015/247/2009 IA. II(M) dt. 10/06/2013 Total MLA - 609.57 Ha	0 750000	1993-94 00 1994-95 88957.680 1995-96 56821.874 1996-97 72930.423 1997-98 4703.966 1998-99 62987.851 1999-00 95156.629 2000-01 170151.210 2001-02 200034.630 2002-03 290559.270 2003-04 307034.790 2004-05 282625.370 2005-06 269048.890 2006-07 400348 2007-08 471375.010 2008-09 228592.560 2009-13 00 Total = 3001328.153	1993-01- 00 2001-2002- 175030 2002-2003- 203391 2003-2004- 214924 2004-2005 - 197838 2005-2006- 188334 2006-2007 - 394277 2007-2008- 471375 2008-2009- 228592 2009-2013- 00 Total :- 2073761	1994-95 88957.68 1995-96 56821.874 1996-97 72930.423 1997-98 4703.966 1998-99 62987.851 1999-00 95156.629 2000-01 170151.21 2001-02 200034.63 2002-03 290559.27 2003-04 307034.79 2004-05 282625.37 2005-06 269048.89 2006-07 400348 2007-08 471375.01 2008-09 228592.58 2009-12 00 Total= 3001328.173

Grand Total Production :-

(a) As Submitted by DMG :- 311449386.907 MT

(b) As Submitted by IBM :- 375378795 MT

(c) AS Submitted by Lessess :- 277189619.25 MT

## Annexure - VIII

List of Lessess showing yearwise Production (given by Director of Mining & Geology, Indian Bureau of Mines and Lessee) of Manganese Ore who have obtained Environmental Clearance (EC) under EIA Notification

Sr No	Name of the lessess and Lease and Area (Ha)	MoEF Approval Order , Date and Area	EC Production Limit (MT)	Production as per Submission of DMG for Mn (MT )	Production as per Submission of IBM for Mn (MT )	Production as per Submission of Lessee for Mn (MT)
1	2	3	4	5	6	7
1	Shri Vijaykumar Ojha, BadaBaljori, Noamundi (21.19) <b>Manganese</b>	J - 11015/1043/200 7 IA. II(M) dt. 14/07/2008 Total MLA - 21.246 Ha	0 510.72	1993 - 94 1531.6 1994-95 3137.2 1995-96 6611.2 1996-97 1872 1997-98 4548.8 1998-99 7016 1999-00 2590.8 2000-01 2272.340 2001-02 848.75 2002-03 3867.85 2003-04 1236.2 2004-05 2729.05 2005-06 639 2006-07 522.9 2007-08 73.35 2008-09 510.55 2009-10 510 2010-11 510 2011-12 00 2012 - 13 00 <b>Total = 41027.59</b>		1994-95 3137.200 1995-96 6611.200 1996-97 1872.000 1997-98 4548.800 1998-99 7016.000 1999-00 2590.800 2000-01 2272.340 2001-02 848.750 2002-03 3867.850 2003-04 1236.200 2004-05 2729.050 2005-06 639.000 2006-07 522.900 2007-08 73.350 2008-09 510.550 2009-10 510 2010-11 510 2011-12 00 <b>Total = 39495.99</b>

Sr No	Name of the lessess and Lease and Area (Ha)	MoEF Approval Order , Date and Area	EC Production Limit (MT)	Production as per Submission of DMG for Mn (MT )	Production as per Submission of IBM for Mn (MT )	Production as per Submission of Lessee for Mn (MT)
1	2	3	4	5	6	7
2	Shri Rameshwar Jute Mills, Baraiburu, Noamundi (258.99)	J - 11015/1147/200 7 IA. II(M) dt. 15/04/2011 Total MLA - 258.98968 Ha	<b>Iron</b> 30000 2260000 <b>Manganese</b> <b>300</b> <b>4000</b>	1993 -94 114 1994 - 01 00 2001 - 02 179 2002 - 03 291 2003 - 04 00 2004 - 05 288 2005 - 08 00 2008-09 303 2009-10 257 2010-11 00 2011-12 282 <b>Total = 1714</b>		1994-01 00 2001 - 02 179 2002 - 03 291 2003 - 04 00 2004 - 05 288 2005 - 08 00 2008-09 303 2009-10 257 2010-11 00 2011-12 282 <b>Total = 1600</b>

Sr No	Name of the lessess and Lease and Area (Ha)	MoEF Approval Order , Date and Area	EC Production Limit (MT)	Production as per Submission of DMG for Mn (MT )	Production as per Submission of IBM for Mn (MT )	Production as per Submission of Lessee for Mn (MT)
1	2	3	4	5	6	7
3	M/s Devkabai Velji Ghatkuri Iron Ore Mines, Ajitaburu Ghatkuri RF, Noamundi (46.62)	J - 11015/377/2007 IA. II(M) dt. 16/01/2009 Total MLA - 46.62 Ha	<b>Iron</b> 0 600000 <b>Manganese</b> 0 4275	1993-96 00 1996-97 7189.545 1997-98 7786.544 1998-99 2271.115 1999-00 11838.237 2000-01 00 2001-02 1967.335 2002-03 194 2003-04 3322 2004-05 1750 2005-07 00 2007-08 11836.009 2008-09 15416 2009-10 4900 2010-11 4159 2011-12 4273 2012-13 4266.13 <b>Total = 81168.915</b>		1994-07 00 2007-08 11836.009 2008-09 15416 2009-10 4900 2010-11 4159 2011-12 00 <b>Total = 36311.009</b>

Sr No	Name of the lessess and Lease and Area (Ha)	MoEF Approval Order , Date and Area	EC Production Limit (MT)	Production as per Submission of DMG for Mn (MT )	Production as per Submission of IBM for Mn (MT )	Production as per Submission of Lessee for Mn (MT)
1	2	3	4	5	6	7
4	M/s.SAIL, Gua Ore Mines Gua, Duaruiburu Mines Ghatkuri RF), Noamundi (1443.76)	J - 11015/453/2008 IA. II(M) dt. 25/03/2013 Total MLA - 1443.76 Ha	<b>Iron</b> 0 12500000 <b>Manganese</b> 0	1994-08 00 2008-09 12000 2009-10 00 2010-11 40000 2011-12 8000 <b>Total = 60000</b>		

**Grand Total Production :**

**(a) As Submitted by DMG : 183910.505 MT**

**(b ) As Submitted by Lessee: 77406.999 MT**

## Statement showing yearwise Excess Production done by Lessees as per EC and / or in Excess of EC

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
1	Shri Vijaykumar Ojha. BadaBaljori. Noamundi (21.19) Manganese	J - 11015/1043/20 07 IA II(M) dt. 14/07/2008 Total MLA - 21.246 Ha	0 510.72	20/01/1971			1993-94 00 1994-95 3137.2 1995-96 6611.2 1996-97 1872 1997-98 4548.8 1998-99 7016 1999-00 2590.8 2000-01 2272.340 2001-02 848.75 2002-03 3867.85 2003-04 1236.2 2004-05 2729.05 2005-06 639 2006-07 522.9 2007-08 73.35 2008-13 00 <b>Total =37965.44</b>
2	Rungta Mines (Meralgara), Meralgadha. Noamundi (122.02)	J - 11015/596/200 7 IA II(M) dt. 20/08/2008 Total MLA - 122.017 Ha	0 360000	21/11/1994	1994-05 00 2005-06 5350.910 2006-07 407405.890 2007-08 150859.450 2008-13 00 <b>Total = 563616.25</b>	1993-06- 00 2006-2007 - 407406 2007-2008- 150859 2008-2013- 00 <b>Total :- 558265</b>	

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
3	Shri Rameshwar Jute Mills. Baraiburu, Noamundi (258.99)	J - 11015/1147/20 07 IA. II(M) dt. 15/04/2011 Total MLA - 258.98968 Ha	<b>Iron</b> 30000 2260000 <b>Manganese</b> <b>300</b> <b>4000</b>	04/03/1986	1993 - 95 00 1995-96 21104 1996-97 27205 1997-98 784 1998-99 3242 1999-00 4056 2000-01 774 2001-02 25 2002-03 135 2003-04 50 2004-05 120 2005-06 360 2006-07 2000 2007-08 234339 2008-09 253316 2009-10 180616 2010-11 210299 2011-13 00 <b>Total = 938425</b>	1993-2007- 00 2007-2008- 234339 2008-2009- 253317 2009-2010 - 180616 2010-2011- 210299 2011-2013- 00 <b>Total :- 878571</b>	1993- 01 00 2001-02 179 2002-03 291 2003-04 00 2004-05 288 2005-08 .00 2008-09 303 2009-10 257 2010-12 00 <b>Total = 1318</b>

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
4	M/s. SAIL, Manoharpur Iron Ore Mine Chiriya (Dhobil Iron Ore Mines), Budhaburu, Ankula RF, Manoharpur (512.95)	J - 11015/251/2009 IA. II(M) dt. 24/01/2012 Total MLA - 513.036 Ha	0 750000	07/03/1978	1993-94 00 1994-95 92974.450 1995-96 68261.580 1996-97 155183.400 1997-98 97722.100 1998-99 102940.600 1999-00 142564.900 2000-01 336994.500 2001-02 282810.000 2002-03 273463.300 2003-04 300328.700 2004-05 311058.700 2005-06 438590.000 2006-07 790127.200 2007-08 964527.000 2008-09 558748.980 2009-10 683968.000 2010-11 305035.000 2011-12 00 <b>Total = 5905298.41</b>	1993-01- 00 2001-2002- 254972 2002-2003- 191424 2003-2004- 210230 2004-2005 - 217726 2005-2006- 307013 2006-2007 - 821917 2007-2008- 964527 2008-2009- 558749 2009-2010 - 683968 2010-2011- 313846 2011-2013- 00 <b>Total :- 4524372</b>	

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
5	Rungta Mines (Ghatkuri RF), Noamundi (138.85)	J - 11015/198/2006 IA. II(M) dt. 15/04/2008 Total MLA - 138.848 Ha and J - 11015/57/2010 IA. II(M) dt. 22/05/2013 Total MLA - 138.848 Ha	25000 1800000 and 1800000 7552000	23/01/1999	1993-03 00 2003-04 170866.300 2004-05 533049 2005-06 474121 2006-07 615470.740 2007-08 883584.125 2008-13 00 <b>Total=2677091.165</b>	1993-03- 00 2003-2004 170866 2004-2005 533049 2005-2006 474121 2006-2007 615471 2007-2008 883584 2008-2013 00 <b>Total :- 2677091</b>	
	Area 27.518 Ha (In Past)				1994-97 00 1997-98 28000 1998-99 15500 1999-01 00 <b>Total = 43500</b>		
	Area 202.349 Ha (In Past)						

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
6	Singhbhum Minerals co. ( Transfer in the name of Ram Minerals Co.) Khasjamda, Noamundi (265.88)	J - 11015/873/2007 IA. II(M) dt. 05/11/2008 Total MLA - 265.88 Ha	4200 100000	14/01/1992	1993-03 00 2003-04 4155.577 2004-05 59590.57 2005-06 52384.815 2006-07 174.400 2007-09 00 2009-10 35291 2010-11 497186 2011-12 83642 470 2012-13 00 <b>Total 732424.832</b>	1993-03 00 2003-2004- 4156 2004-2005 - 15378 2005-2006- 50000 2006-2007 - 174400 2007-2009- 00 2009-2010 - 35291 2010-2011- 497186 2011-2012- 40927 2012-2013- 00 <b>Total :- 817338</b>	
7	Shri Anilkumar Khirval. Bandhburu(No amundi PF), Noamundi (22.53)	J - 11015/142/2007 IA. II(M) dt. 13/04/2011 Total MLA - 19.331 Ha	39000 74000	30/04/2002	1993-94 00 1994-95 12085.00 1995-96 24101.00 1996-97 20756.00 1997-98 16178.00 1998-99 688.00 1999-01 00 2001-02 3540 00 2002-04 00 2004-05 59644.00 2005-09 00 2009-10 5875.840 2010-11 6936.760 2011-13 00 <b>Total = 149804.6</b>	1993-94- 00 1994-95- 12085 1995-96- 24101 1996-13 00 <b>Total :- 36186</b>	

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
8	M/s Shah Brothers Karampada Iron Ore Mines, Karampada RF, Manoharpur (233.89)	J - 11015/24/2006 IA. II(M) dt. 23/01/2007 Total MLA - 233.99 Ha	60000 100000	09/07/2002	1993-04 00 2004-05 232061 2005-06 115810 2006-13 00 <b>Total = 347871</b>	1993-04 00 2004-2005 - 232061 2005-2006- 1287006 2006-2007 - 00 2007-2008- 451490 2008-2009- 619576 2009-2010 - 621199 2010-2011- 886673 2011-2013- 00 <b>Total :- 4098005</b>	
9	M L Jain And Sons. Karampada RF, Noamundi (202.35)	J - 11015/318/2006 IA. II(M) dt. 15/12/2008 Total MLA - 202.03 Ha	0 90000	26/05/2003	1993-95 00 1995-96 53947 1996-97 42446 1997-98 21416 1998-99 26403 1999-00 38777 2000-01 28361 2001-02 1806 2002-03 7754 2003-04 117187 2004-05 35121 2005-07 00 2007-08 3984.565 2008-09 203090.700 2009-10 126264.460 2010-11 86123 2011-12 96890.240 2012-13 00 <b>Total 889570.965</b>	1993-95- 00 1995-96- 53947 1996-97- 42446 1997-98- 00 1998-99- 26403 1999-2000- 38777 2000-2001- 28361 2001-2002- 1806 2002-2003- 7754 2003-2004- 117187 2004-2005 - 35121 2005-2007- 00 2007-2008- 3985 2008-2009- 203091 2009-2010 - 126265 2010-2013- 00 <b>Total :- 685143</b>	

Sr No	Name of the Lessee & lease	Quantity Approved (MT)		Date of Expire of Lease	Unlawful / Illegal production estimated based on DMG Data for Iron (MT )	Unlawful / Illegal production estimated based on IBM Data for Iron (MT )	Unlawful / Illegal production estimated based on DMG Data for Manganese (MT )
		EC Approval Order No. and Date	Upper limits From -- To				
1	2	3	4	5	6	7	8
10	M/s Devkabai Velji Ghatkuri Iron Ore Mines, Ajitaburu Ghatkuri RF, Noamundi (46.62)	J - 11015/377/2007 IA, II(M) dt. 16/01/2009 Total MLA - 46.62 Ha	Iron 0 600000 Manganese 0 4275	03/08/1983	1993-07 00 2007-08 300787.008 2008-13 00 <b>Total 300787.008</b>	1993-07- 00 2007-2008- 317937 2008-2013- 00 <b>Total :- 317937</b>	1993-99 00 1999-00 11838.237 2000-07 00 2007-08 7561.009 2008-09 11141 2009-10 625 2010-13 00 <b>Total 31165.246</b>
11	M/s Usha Martin Ghatkuri Iron Ore Mines, Ghatkuri RF, Noamundi (155.078)	J - 11015/48/2001 IA, II(M) dt. 19/04/2005 Total MLA - 155.078 Ha & Corrigendum Dt. 29/05/2006	0 650000	17/08/2025		1993-07- 00 2007-2008- 239932 2008-2013- 00 <b>Total :- 239932</b>	
		J - 11015/507/2007 IA, II(M) dt. 22/12/2008 Total MLA - 155.078 Ha	650000 2500000				
		J - 11015/306/2009 IA, II(M) dt. 17/12/2009 Total MLA - 155.078 Ha	2500000 4000000				