

Six Monthly EC Compliance Report

Period: April to September, 2017



DEOJHAR IRON ORE MINES

M/s. TARINI MINERALS PVT. LTD.

**At - Boneikela, PO - Joda,
Dist. - Keonjhar, Odisha - 758 034**

www.diom-tm.com

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Sl. No	SPECIFIC CONDITIONS	PRESENT STATUS
1	<p>The applicant (Project Proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, water pollution, noise pollution and land pollution including solid waste management as mentioned by him in Form-I, Final EIA Reports And Environment Management Plan (EMP) in compliance with prescribed statutory norms and standards.</p>	<p>There is regular water sprinkling on haul road with the help of water tankers for dust suppression and dry fog system are installed in the screen and crusher plants. Retaining walls of 527 m along with garland drain (582 m) has been constructed all around the mines dump which is sub-grade in nature to prevent mines run-off water to the nearby water bodies. Other necessary measures have also been implemented like gully plugs at regular intervals etc. The details of the Retaining wall and Dump details given bellow annexure -1. Regular maintenance of HEMMs and other vehicles are being carried to ensure the maximum reduction in noise pollution and create an efficient environment for employees to work for.</p> <p>There are no such OB dumps, there are 5 nos. of sub grade dumps which are stabilized at ear marked area with proper sloping and terracing, and coir matting for better stabilization.</p> <p>The photos regarding the same has been shown as below in Photo — 1, 2, 3 and 4.</p>
2	<p>The applicant will take necessary steps for socio economic development after a detailed Primary Socio-economic Survey of the people of Core area on need based assessment for providing employment, education, health, drinking water and sanitation, road and communication facilities etc. A report is to be submitted by the proponent to SEIAA regularly on 1st June and 1st December of each calendar year.</p>	<p>Different projects has been undertaken in consultation with "JANASADHANA" for the socio-economic development of the local belongs to adjoining villages with development of Infrastructure, Health, Sanitation, Education, drinking water & sanitation etc. All the financial details and socio-Economic Development Activities which is in practice on continual basis, details are provided in annexure – 2.</p>
3	<p>The applicant will comply with the points concerns and issues raised by the people during public hearing on 4th February, 2009 in accordance with the commitments made by him thereon.</p>	<p>We have full-filled the commitment regarding the demands raised during the public hearing and compliance are made as per the commitments <i>i.e.</i> Infrastructure development, Health, Sanitation, Education, etc. All the raised points are addressed and complied. A detailed of Public hearing compliance report is enclosed as annexure – 3</p>

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4	The applicant will take statutory clearance/approval/permissions from the concerned authorities in respect of his project as and when required.	Necessary statutory clearances/ approval/ permissions from the concerned authorities have been obtained such as: Consent to Operate from SPCB, Ground Water Permission from CGWA, Hazardous waste authorization, approved mining plan from IBM, Forest clearance from MoEF, etc. Forest Clearance from MoEF, Consent to Operate from SPCB, Orissa vide letter No.: 4610/IND-I-CON-1373 date 27.03.2017, Approved Mining Plan from IBM vide letter No.MP/FM/07-ORI/BHU/2014-15/3834 dated. 05.12.2014, Hazardous Waste Authorization from SPCB Orissa, Vide letter No.IND-IV-HW-846/11948 dated 07.09.2017.
5	For post environmental clearance monitoring, the applicant will submit half yearly compliance report in respect of the stipulated terms and conditions of this Environmental Clearance to the State Environmental Impact Assessment Authority (SEIAA), Orissa on 1st June and 1st December of each calendar year.	Half yearly compliance is being submitted as per the EC conditions on time to time basis. The details of submission of half yearly compliance status reports are attached as Annexure -4
6	The core zone should be monitored intensively with no. of stations as prescribed by CPCB, Delhi and unit of pollutant level should be expressed as NAAQ of CPCB, Delhi. The detail methodology adopted for analysis of samples shall be cleared indicated.	The project has already established for the monitoring of AAQ in the core as well as buffer zone of the ML area. There is 1 no. of monitoring station in core zone i.e. Mines Office and there are 5 no. of Monitoring stations in the buffer zone such as, Deojhar Village, Murgabeda Village, Mahadev nasa village, Boneikela Village and Bhadrasahi village. Monitoring of AAQ is being carried out every month except during monsoon. The monitoring reports are well within the norms as per NAAQS notification made by the CPCB. The detailed report of the AAQ is attached in Annexure - 5.
7	The proponent shall submit ground tooting baseline data on flora and fauna and CSR activities already carried out within three months to the SEIAA, Orissa.	The site specific Wildlife Conservation Plan has been prepared by Mr. P.K. Sarangi, Rtd. IFS Officer & got approved by PCCF (Wildlife), Chief Wildlife Warden, Odisha. The project has estimated cost of Rs. 54 Lakhs which includes

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		<p>cost for both buffer zone i.e. Rs. 41 Lakhs which is already deposited through RTGS No. BARBH4179631316 dated. 28.06.2014 in favor of CA Fund and core zone i.e. Rs. 13 Lakhs for the conservation and management of wildlife. Project proponent has appointed 4 nos. of watchers for protection of wild animals with the expenditure of Rs. 3.8 Lakhs/annum. Apart from that, the project proponent has constructed check dam & check weirs to restrict the mixing of undesired substances in nearby streams & also established guard wall along the sides of nallas.</p>
8	<p>No two pits shall be simultaneously worked. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation should be visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore body is worked.</p>	<p>There is only mines pit i.e. Pit No.-1 which is still active. The project is operating according to the above mentioned condition and following as per the approved mining scheme/plan including PMCP.</p>
9	<p>Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.</p>	<p>There is only mines pit and the project has maintained the safety zone of 7.5 m width around the ML boundary. In this regard, the project has covered the dumps with application of mixed grass seeds along the slopes to stabilize and also to reduce wash off in case of rains during monsoon. The project has done 40,470 numbers of saplings in and around the ML area till the reporting period with different varieties of native species in the safety zone, & peripheral area of ML. The year wise plantation details are as follows: photo of the same is attached as photo – 5, 6, 7 & 8. Plantation details have been given in Annexure -6.</p>

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10	Zero waste mining concept shall be implemented either by putting up pelletisation plant or disposal of low grade ores/fines to prospective buyers.	Due to the incorporation of better & efficient machineries and latest technologies, we ensure that zero wastes will be coming out due to the mining activity. Steps have been initiated to work out in this context.
11	The following shall be implemented viz. (a) dump run off should be diverted into settling ponds until it is clear (b) adequate rain water harvesting and ground water recharging facilities should be developed in the core zone, (c) attempt should be made to achieve zero water balance.	<p>The project has taken the following steps;</p> <ol style="list-style-type: none"> a. Run off generated from Dump areas are being diverted to mines pit only and rest quantity is channelized through settling pits with proper checks before disposal to natural water bodies. b. We have implemented the roof top rain water harvesting structures and settling pits cum harvesting structures in the mines areas towards recharge of the ground water. c. Steps have been taken to achieve zero water balance like implementation of STP for treatment of domestic effluent and reuse of the treated water for mines dust suppression and nearby gardening purpose. <p>Details are enclosed as Annexure -7 and as photo 9 & 10</p>
12	Maintenance of roads through which transportation of ores are undertaken shall be carried by the project regularly at its own cost.	<p>The project has black topped the transportation approach roads and regular maintenance of the main approach road along with the mines haul roads are being carried out by engaging the grader periodically, the roads are without ruts & potholes. The project is also ensuring the tarpaulin covers over the loaded trucks so as to prevent the spillage of the materials. The Project authority are regularly monitoring the emission of the vehicle to ascertain whether the vehicle meet the pollution norms. During the reporting period, there are 19 nos. of vehicles are undergone the PUC tests.</p> <p>We are regularly monitoring the emission of the vehicle to ascertain whether the vehicle meet the Pollution norms. The PUC Certificate of the vehicle is attached as Annexure – 8.</p>

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		The vehicles which are carrying the loaded materials are being released with tarpaulins covers. The photo of the same is attached as photo 11.
13	Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records shall be submitted to the SEIAA, Orissa.	There is regular monitoring of the Fugitive dust emission. The project has taken adequate measures like dry fog system in screen plants, water sprinkling in mines haulage roads etc. towards dust suppression purposes. The project has established the monitoring of fugitive dust in the mining lease area, there are 6 no. of monitoring station i.e. Mines Pit, Mines haul road, screening plant, Workshop, Mines Office and Crusher area. Monitoring of AAQ/FD is being carried out in different locations of nearest human habitation in consultation with SPCB except during monsoon. The monitoring report reveals that the parameters are well within the norms made by the SPCB. The analysis report of the same is attached as Annexure – 9.
14	Transportation of ore shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore /dust takes place.	The steps are being followed by proper care towards public roads to ensure that the trucks should not be overloaded during transportation: besides these trucks are being covered with tarpaulins while transportation of the iron ore. Time to time awareness program is being carried out for the operators/drivers etc. towards the same. Photo of the same is attached as photo 11.
15	Rain water harvesting shall be undertaken to recharge the ground water source.	In the entire area, where ever possibility of wash off, flow of sediments etc. is anticipated retaining wall, garland drain and check dam have been provided after recommendation of the KRG Rain Water Foundation, Chennai in their report on Rain Water harvesting cum surface water management plan. The report of the same has been finalized in consultation of the CGWB, Bhubaneswar. The details of the retaining wall, garland drains and check weirs, catch drains, settling pits, check dams etc. are provided in the above conditions no. XI.

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		The roof top rain water harvesting structure got implemented towards augmentation of ground water in the camp area. Photo of the same has been attached as Photo — 12.
16	Monitoring of ground and surface water quality shall be regularly conducted and records should be maintained and data shall be submitted regularly to SEIAA, Orissa.	<p>There is regular monitoring of the ground water quality on quarterly basis, as per the monitoring locations there are 7 nos. of locations namely Inside Mining lease area, Bileipada village, Deojhar village, Mahadevnasa Village, Daldir Village, Murga camp Village & Noamundi Village.</p> <p>Monitoring of the surface water quality is also being carried out in 6 locations. The records are also maintained for this purpose & it's being monitored 4 times in a year i.e. pre-monsoon, monsoon, post monsoon and winter.</p> <p>The monitoring of ground and surface water quality records submitted to SEIAA, Orissa bi-annually and Regional Office of MoEF, Bhubaneswar. The results reveals all the test results are very well within the norms prescribed by the SPCB/CPCB/MoEF/CGWA. The analysis report of the same is attached as Annexure – 10 & 11.</p>
17	The proponent shall ensure that no silt originating due to mining activity is transported in the surface water course. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo-textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	<p>The project has provided necessary precautionary measures like siltation pit towards protection of silt carry over into the nearby surface water bodies followed by retaining walls and garland drains at the toe of the dumps. Apart from that interference like guard wall all across the bank of the nallah, a length of 380 M and check weirs at the strategic locations are provided.</p> <p>It has also developed with garland drain and retaining wall along with 17492 Sq. Meter Coir Geo-textiles towards the vegetation & stabilization of the dumps during, along with application of mixed grass seeds towards vegetation and dump slope stabilization. The above measures have been taken up to reduce flow of sediments to the 1st order stream such as Murga mahadev nallah and 2nd order streams such as Baitarini River and also other water bodies present in the buffer</p>

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		area. It has been informed that all the measures based on the rain fall data of past 50 years from the IMD station i.e. Keonjhar and all the sump capacity have been designed by giving 50 % safety margin. The photos regarding the same have been attached as Photo 1 to 4.
18	Trenches garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies. Adequate number of check dams shall be constructed across seasonal or perennial nallah (if any) flowing through the ML area be arrested. De-silting at regular intervals shall be carried out.	To arrest silt from mines run off, a no. of catch drains and settling cum percolation pits have been constructed with garland drains around the mines working areas. Nallah protection guard walls have also been constructed across the length of the nallah. Time to time de-silting is followed before each monsoon.
19	Provisions shall be made for the housing the labours within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	The Project has commonly created the housing facility for all the labour force by facilitating fuel for cooking, also septic tank followed by soak pit for domestic effluents (STP), drinking water, medical health care etc. However, the projects have provided the site specific STP for treatment of domestic waste water with a capacity of 40 KLD and the treated water is being utilized for adjoining plantation & gardening purposes. The photograph of STP facility has been shown in Photo — 9.
20	Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria dust eradication, HIV, and health effects on exposure to respirable mineral dust etc. shall be carried out. The proponent shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness program for workers on impact of mining on their health and precautionary measures like use of personal equipment's etc. shall be carried out periodically.	Initial Medical Examination & Periodical Medical Examination of the workers engaged in the project is being undertaken periodically for permanent and outsider employees along with the pre-medical examination of persons employed, who are engaged in the process of mining & are likely exposed to dust to observe any contractions due to exposure to dust. This is being carried as per in compliance to Mines Act 1952 & rules 1956 and amendments there to. The various tests include PFT, X-Ray, and lung spirometry etc. Workers are provided with protective respiratory devices & time to time training on safety & health aspects is being provided. A full time qualified Occupational health doctor with provision of Occupational Health center has been provided near the mines area. The last such examination i.e. IME/PME held for 34 nos. of employees of the Project during the reporting period and on the basis of the tests there is none of the above mentioned

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	Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required. Occupational Health center shall be established near the mine itself.	employees was found by Silicosis/Pneumoconiosis or occupational health related diseases. The details of the same is attached as Annexure # 12A & 12B.
21	Shelter belt i.e. (wind break of 15m width and consisting of at least around the lease facing the human habitation, school/agricultural fields etc.) if any in the vicinity in the safety zone/backfilled and reclaimed areas, around voids and roads shall be raised. Green belt development and selection of plant species shall be as per SPCB guidelines. Density of trees has to be around 2500 plants per hectare, herbs and shrubs shall also form a part of afforestation program besides tree plantation. Help and guidance of local DFO may be sought in the matter. Details of year wise afforestation program including rehabilitation of mined out area shall be submitted to the SEIAA, Orissa within six months.	<p>There are no such human habitation/schools etc. within the ML area. However, the project has covered all the sub-grade dumps with application of mixed grass seeds along the slopes to stabilize and also to reduce wash off in case of rains during monsoon. The Project has done total Coir matting of 17492 M² in the sub-grade dumps and its 100 % biodegradable.</p> <p>A safety zone of 7.5 m width around the ML boundary is being maintained. In this regard, the project has covered the dumps with application of mixed grass seeds along the slopes to stabilize and also to reduce wash off in case of rains during monsoon.</p> <p>The project has done 40,470 numbers of saplings in and around the ML area with different varieties of native species in the safety zone, & peripheral area of ML.</p>
22	This environmental clearance is subjected to forest clearance under the Forest (Conservation) Act, 1980.	The forest clearance has been obtained over an area of 34.365 ha vide MoEF letter no: F No.8- 216/1992-FC dated 31st march 1993. As per the present circular dated 01.04.2015 from MoEF, Govt. of India the forest clearance over 34.365 Ha will be extended up to the coterminous of the extended lease period.
23	The mining operation shall be restricted to above ground water table and it should not intersect the groundwater table.	The Project proponent working at a depth is 595 aMSL which is far above the ground water level and ground water level exist 540 aMSL. The ultimate depth of the bottom of the approval Mining Scheme is at 548m RL. Therefore, intersection of ground water table during the whole life of the ML area shall not be obstructed. However, the Project has carried out a detailed study on hydrology and hydro-geological aspect of the area through an expert agency and base line data developed for future reference. Therefore,

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		intersection of ground water table of the ML area will not occur.
24	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long (not more than 3 years). The topsoil shall be used for land reclamation and plantation.	There is no generation of the top soil during mining operations. In case of top soil generation generated in future, it should be stored in an earmarked area and necessary precaution may be taken to preserve its nutrient values so that it can be used for land reclamation and raising plantations. Besides, one M-Book is also being maintained to record generated quantity for its preservation and utilization of top soil including OB materials.
25	The over burden (OB) generated during the mining operation shall be temporarily stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and its phase-wise stabilization shall be carried out. Proper terracing of OB dump shall be carried out so that the overall slope shall not exceed 28° Back filling shall be done as per approved mining plan; back filling to start from 3rd year onwards of the mining operations and the entire quantity of waste shall be backfilled and liquidated within five years. There shall be no external OB dumps after the 6th year of the mining operations. The backfilled area shall be afforested. Backfilling has to be done in a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue till the vegetation is established and becomes self-generating compliance status to be reported to the appropriate authorities.	<p>There are 5 nos. of sub-grade dumps which has grade value more than 45 % of Fe i.e. marketable grade. The sub-grades are stacked in an identified area inside ML area by maintaining proper slope. All the Sub-grade dumps have been planted along the slope to stabilize and also to reduce wash off in case of rain cut during monsoon. Garland drains (582.0 m long and 1m X 1m Size), retaining walls (527 m long & 1.5.m X 1.2m size) have been provided in all the dumps. Coir matting in the sub-grade dumps has been provided and their material is 100 % biodegradable, which has been supplied by Coir Board, Bangalore.</p> <p>Dump is also developed with garland drain and retaining wall at the base and along with 17492 Sq. meters Coir Geo-textiles towards the vegetation & stabilization for critical areas of dump. The project has done 40470 numbers of saplings in and around the ML area with varieties of native species in the safety zone, & peripheral area of ML. Proper care and survival of vegetation is being carried out by engaging specified water tanker.</p> <p>As per back filling, monitoring and management of rehabilitated area is concerned, the project will abide by the conditions as per the approved mining scheme and progressive mine closer plan. As per the approved Scheme of Mining, the backfilling proposal will commence from 2018-2019 onwards, approved by IBM, Gol. Accordingly, monitoring and management of rehabilitated areas will be continued until vegetation becomes self-sustaining.</p>

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26	<p>The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this funds shall be diverted for other purposes. Year wise expenditure for these funds should be reported to the SEIAA, Orissa.</p>	<p>The funds earmarked for environmental protection are being utilized for the same. The year wise environmental expenses are shown in Annexure -13.</p>
27	<p>The above mentioned stipulated conditions shall be complied in time bound manner. Failure to comply with any of the conditions mentioned above may result in withdrawal of this environmental clearance and attract action under the provisions of Environmental Protection (EP) Act, 1986.</p>	<p>We are abiding by the said conditions. We are herewith submitting six monthly EC compliance reports once in a six month as per the schedule. The details have been given by Annexure – 4.</p>

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Annexure – 1

I. Retaining Walls Details

Sl. No	Location	Length (Meter)	Width (Meter)	Height (Meter)
1	Near Pillar no. 2 to 3	73	1.2	1.2
2	Pillar no. 3 to 7	250	1.2	1.5
3	Near Pillar no. 12 to 13	44	1.2	1.6
4	Near Pillar no.16 to 18	160	1.2	1.3

II. Dump Details

Sl. No	Name of the Dump	Location	Area in Ha.	Quantity (CUM)
1	Dump – 1	Near ML Pillar no. 28 - 29	0.876	65700
2	Dump – 2	Near ML Pillar no. 15 - 17	0.382	28650
3	SG – 1	Near ML Pillar no. 3 - 7	0.075	208028
4	SG – 2	Near ML Pillar no. 31 - 32	0.866	192582
5	SG – 3	Near ML Pillar no. 30	1.483	20000

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Annexure – 2

Socio-Economic Development Activities:

INFRASTRUCTURE -

- Repairing and black topping of Village Road connecting Road from Deojhar to Murgabeda being carried as & when required.
- Repairing of interior village roads.

EDUCATION

- The school at village Murgabeda got improved by providing the teaching facility with the appointment of teachers from 2009 onwards.
- We are providing teachers at Mahadevnasa, Kuldum Village primary school from 2010.
- We have appointed one teacher at Sialijoda primary school in 2013.
- Renovation of school building & Angnabadi compound wall, etc.
- Additional School Bus provided to adjoining villages.
- Additional teachers have been posted in the adjoining villages.
- Distribution of Uniforms, Books, slates, pencil, etc. to the school students.
- Mid day meal is being provided at free of cost for class IX & X at Deojhar High School.
- Facilitating the Independence & Republic Day functions at adjoining schools by funding the entire celebration by extending various tournaments among school children.

HEALTH

- Health-Check-up camp covering adjoining villages and free supply of medicines have been conducted.
- Extending the Dispensary along with the ambulance facility to local villages with the availability Doctor & Staff and free medicine.

DRINKING WATER FACILITY & SANITATION

- 2. No's of deep bore wells got provided at village Murgabeda and one deep bore well for Sijijoda village.
- Regular & periodical supply of drinking water to the adjoining villages with the water tankers.

OTHER PERIPHERAL ACTIVITIES

- Murga Mahadev Temple renovation work (Bathing area has been tiled & guard bars, Cloth changing room, Glazed tiled Bench, etc) already completed.
- Regular maintenance of temple housekeeping, etc.
- Conducting game and entertainment programmed for local villagers.

EMPLOYMENT OPPORTUNITIES

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- Locals from adjoining villages are engaged in various activities of mines.
- Besides the above Temple maintenance staff comprises 3.No. of Lady Employees are from Local villages.
- Posting of additional teachers in schools from locality.
- Development of self-help groups for villagers is under planning.

Year Wise Expenses

Sl. No	Description	Expenses in Lakhs				
		For the Year 2012-13	For the year 2013-14	For the Year 2014-15	For the year 2016-17	For the year 2017-18 (Apr to Sept 17)
1	Infrastructure	51.8	2.0	0	0.00	0.00
2	Education	6.5	4.38	3.1	4.81	2.77
3	Health	8.3	6.15	4.8	6.91	5.50
4	Drinking Water Facility	4.5	2.94	2.0	0.18	0.00
5	Other Peripheral Activities	1.7	2.98	1.8	1.47	2.47
6	Employment	31.5	117.94	58.5	0.00	0.00
7	Total	104.3	136.39	70.20	13.37	10.74

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Annexure – 3

Sl. No.	Public Hearing consents by the Project Proponent	Compliance Status
1	The Project Proponent assured with consultation with Govt. department and as per their advice they will adopt all the measures to keep the sound pollution under control especially during blasting.	Control blasting is being carried out and the excavation work is carried out by engaging excavators only. Anyhow noise is being monitored and the results are well within the prescribed norms, copy is enclosed in Annexure –14 .
2	To construct Check dam for Mahadev Nasa Nalla and for this the project proponent invited the village committee to come with a proposal for the same.	We ensure that natural watercourse of Mahadev Nalla will not be obstructed due to our mining operations. Necessary precautionary measures were well taken in consultation with Govt. bodies to avoid any sort of interference like providing guard wall & check weir at bank of Mahadev Nallah.
3	Suitable dump management system to minimize the pollution and all wastes are being dumped inside the lease area	Sub grade is being stacked in an identified area inside ML Area by maintaining proper terracing & slope. It has also developed with garland drain and retaining wall along with 2492 Sq. Meter Coir Geo-textiles towards the vegetation & stabilization for critical areas of dump.
4	Company has formed an Environment cell and they are monitoring this on regular basis to keep this under control.	A separate environmental management cell is in operation under the control of Mines Manager, which is looking after all environmental activities including Environmental Monitoring.
5	The Project proponent will give priority in employing skilled local people such as drivers, drillers, operators, etc. according to their qualification.	Local peoples are being given priority in employing skilled local people such as drivers, drillers, operators, etc. according to their qualification.
6	The Project proponent assured that they will re-open all the schools in Murgabeda Village those are not	The School is running effectively with engagement of teaching facilities with appointment of teachers. Study materials like books, slates, pencils etc.

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	running at present and will appoint 4 teachers in those Schools on permanent basis.	are being provided. Mid-day meal is provided at free of cost for class IX & X at Deojhar High School. Bus is provided for Deojhar high school and for Sarswati Sisu Mandir, Bileipada.
7	The project proponent is already supplying drinking water to Murgabeda villages through water tanker and will continue this facility.	2 no. of bore wells with drinking water facilities are provided for the villagers of the Muragbeda, about a population of around 1000 no's.
8	The Project proponent is ready to construct inter village connecting roads in Murgabeda village and they invited proposal from the village committee for the same.	Inter connecting village roads are made up of black top in length of 1.8 Km to suppress the dust. The photo of the same is enclosed as photo 13.
9	The project proponent has already opened a dispensary here for locals for availing medical facility free of cost where a doctor is available. One Ambulance is always available there at service.	Medical facilities like dispensary and ambulances are being provided. Medical health camp is being organized at regular intervals for the local villagers with free of cost medicines. The photo of the same is enclosed as photo 14.
10	Regarding electrification of villages, we have requested the concerned Village committee along with Sarpancha to come forward with the latest status and the proposal so that they can support and assist the village committee for electrification.	It is being carried out with the village committee members by providing materials for Street Light Connections to nearby villages.
11	The Project Proponent assured that they are following all the Govt. rules regarding employment and statutory payments.	It is being followed.

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

12	The project proponent requested the Murgabeda Temple committee to come with a proposal so that they can consider for its renovation.	Temple renovation work is completed with the proposals of Temple Committee members. The bathing area has been developed with anti-slippery tiles and guard bars and a cloth changing room have provided. Two male and three female labours have deployed for proper up- keep of the temple. The photo of the same is enclosed as photo # 15 & 16.
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Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure – 4

Six Monthly Compliance Submission details

Sl. No.	Compliance Time Period	Date of Submission
1	October.2016 to March, 2017	26.05.2017
2	April,2016 to September,2016	19.11.2016
3	October.2015 to March, 2016	25.05.2016
4	April,2015 to September,2015	16.11.2015
5	October.2014 to March, 2015	26.05.2015
6	April,2014 to September,2014	22.11.2014
7	October.2013 to March, 2014	25.05.2014
8	April,2013 to September,2013	25.11.2013
9	October.2012 to March, 2013	25.05.2013
10	April,2012 to September,2012	25.11.2012
11	October.2011 to March, 2012	25.05.2012
12	April,2011 to September,2011	25.11.2011
13	October.2010 to March, 2011	25.05.2011
14	April,2010 to September,2010	29.11.2010

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure – 5 –AAQ

SUMMARIZED AMBIENT AIR QUALITY MONITORING REPORT: DEOJHAR IRON ORE MINES OF M/S. TARINI MINERALS PVT. LTD., DISTRICT; KEONJHAR, ORISSA.					
Period: April – 2017 to September- 2017					
Location Name	Month	Monthly Average Monitoring Results, in micro.gm/CUM			
		PM10	PM2.5	SO₂	NO_x
Mines Site Office	April	75.8	27.6	9.8	11.5
	May	75.5	33.1	10.8	11.3
	June	74.1	33.7	8.6	10.4
	July	53.6	18	9.3	10.9
	August	56.6	19	8.9	9.9
	September	58.8	19	9.3	11.2
Deojhar Village	April	70	27.5	9.9	10.9
	May	70.5	27.6	10.2	12.0
	June	66.1	29.6	9.9	11.2
	July	52.0	18.0	9.2	10.8
	August	48.7	16	8.6	10.2
	September	55.8	18	9.4	10.7
Murgabeda Village	April	50.3	18.8	8.9	10.6
	May	67.1	28.1	9.8	11.1
	June	64.3	30	8.6	10.2
	July	50.8	16.6	10.4	12.1
	August	46.8	18.3	9.3	11
	September	54.2	18.2	9.5	11.0
Mahadev Nasa Village	April	58.5	20.7	10	11.6
	May	61.6	25.2	9.3	10.3
	June	57.1	24.1	10.4	11.5
	July	43.8	15.5	10.4	11.9
	August	53.6	21.7	9.9	11.2
	September	55.8	18.7	9.5	11.0
Boneikala Village	April	59.2	17	9.1	11.5
	May	59.5	24.6	10.2	11.5
	June	46.8	21.8	9.3	11
	July	42.6	16	8.8	10.8
	August	49.8	17.6	10.4	11.5
	September	55.5	17.6	8.8	10.9

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Bhadrasahi Village	April	72	24.2	9.9	11.8
	May	61.3	23.1	10.8	11.8
	June	64.2	27.8	8.6	9.9
	July	41.8	15.5	8.8	10.9
	August	56.7	18.3	8.6	9.9
	September	51.5	16.1	9.2	10.8
NOTE – The sampling & testing done by B.S.ENVI – TECH PVT. LTD.					

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure - 6- Plantation Details

Plantation details for the year 2017-18 (upto September, 2017)											
Sl. No	Within ML			Out Side ML			Avenue Plantation			Total	
	No of Trees Planted	Area in Ha	Survival rate	No of Trees Planted	Area in Ha	Survival rate	No of Trees Planted	Area in Ha	Survival rate	No of Trees Planted	Survival rate
1	1860	0.5	93%	---	---	---	5000	1.4	95%	6860	94

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure — 7

Details of Retaining Wall, Garland drain and Check Dam

Sl.No	Measures taken	Location	Dimensions
1	Retaining Wall	Near Pill No. 2 – 3 Pillar No. 3 – 7 Near Pillar No. 12 – 13 Near Pillar no.16 to 18	73m x 1.2m x 1.2m 250m x 1.5m x 1.2m 44m x 1.6m x 1.2m 160m x1.3m x1.2m
2	Garland drains in the above location Jindal Side		482m x 1m x 1m 100m x 1m x 1m
3	Check Weir	Near Sub – grade dump Near SG dump – 1 Near SG dump – 1	3240 CUM 252 CUM 230 CUM
4	Check dam cum de-silting pit cum percolation pit		3600 CUM
5	Guard wall across the nallah		380m x 1.5m x 1.2m

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure – 8:- Details of the vehicles undergone PUC

Sl. No.	Name of Vehicle	Registration No.	PUC Test Date	Next due date
1	Ambulance	OR05AD 5299	05.06.2017	04.12.2017
2	Bolero	OR04L 3399	06.10.2017	05.04.2018
3	Bolero	OR09P 3899	09.06.2017	08.12.2017
4	Bolero	OD09B5999	09.09.2017	18.03.2018
5	Bus	OR09K 7099	28.09.2017	27.03.2018
6	Camper	ORO9N 7599	09.10.2017	08.04.2018
7	Volvo	OR09P0599	08.10.2017	07.04.2018
8	Tanker	OR04f5519	08.06.2017	07.12.2017
9	Tanker	OR04F5539	08.06.2017	07.12.2017
10	Loader	OR09P1299	05.06.2017	04.12.2017
11	Loader	OR09P2799	24.08.2017	23.02.2018
12	HGV	OR04J6799	08.06.2017	07.12.2017
13	Tipper	OR05AC 2199	26.09.2017	25.04.2018
14	Tipper	OD14J2199	09.10.2017	08.04.2018
15	Tipper	OD09G 2499	11.10.2017	09.04.2018
16	Tipper	OD09G 2699	11.03.2017	10.09.2017
17	Tanker	OD09G 1099	26.09.2017	25.03.2018
18	Tanker	OR04G 1939	29.09.2017	29.03.2018
19	Tanker	OR04K 7899	18.06.2017	17.12.2017

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure – 9: Fugitive Dust Emission Report

SUMMARIZED FUGITIVE DUST MONITORING REPORT: DEOJHAR IRON ORE MINES OF M/S. TARINI MINERALS PVT. LTD., DISTRICT; KEONJHAR, ORISSA.		
Period: April – 2017 to September, 2017		
Location Name	Month	Monthly Average Monitoring Results, in micro.gm/CUM
		Fugitive Dust
Mines / Bench	April	308
	May	355
	June	322
	July	329
	August	206
	September	212
Haulage Road	April	316
	May	310
	June	309
	July	270
	August	180
	September	200
Screen Plant	April	345
	May	341
	June	324
	July	347
	August	212
	September	208
Crushing Plant	April	312
	May	366
	June	324
	July	257
	August	201
	September	205
Ore Storage & Loading Point	April	313
	May	368
	June	315
	July	290
	August	177
	September	176

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Waste Dump	April	301
	May	320
	June	282
	July	257
	August	175
	September	179
Standard		1200
<i>NOTE – The testing done by B.S.ENVI – TECH PVT. LTD.</i>		

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure -10- Ground Water Report

S.No.	TESTS	UNIT	GROUND WATER QUALITY					
			RESULTS					
			Murgabeda Village	Daldir Village	Mahadev Nasa Village	Deojhar Village	Beleipada Village	Inside ML Area
1	Odour		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
2	Colour	Hazen	<5	<5	<5	<5	<5	<5
3	pH		6.6	6.83	6.69	6.75	6.62	6.74
4	Turbidity	NTU	<1	<1	<1	<1	<1	<1
5	Total Hardness as CaCO ₃	mg/l	24	278	238	248	304	288
6	Iron as Fe	mg/l	0.03	0.04	0.04	0.04	0.09	0.05
7	Chlorides as Cl	mg/l	11	76	42	22	88	86
8	Dissolved Solids	mg/l	55	498	434	432	472	510
9	Calcium as Ca	mg/l	15	79	60	55	89	83
10	Magnesium as Mg	mg/l	8.1	20	21	27	20	20
11	Copper as Cu	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
12	Manganese as Mn	mg/l	<0.03	0.04	0.12	<0.03	0.04	<0.02
13	Sulphate as SO ₄	mg/l	5.3	8.2	15	8.2	49	91
14	Nitrate as NO ₃	mg/l	8.1	3.1	2.5	4.3	36	28
15	Fluoride as F	mg/l	<0.1	0.42	0.30	0.40	0.30	0.36
16	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
17	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
18	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
20	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21	Zinc as Zn	mg/l	0.02	1.6	0.87	<0.02	0.15	0.06

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

22	Chromium as Cr+6	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
23	Alkalinity as CaCO3	mg/l	12	263	253	278	154	144
24	Boron as B	mg/l	<0.1	0.1	0.11	<0.1	0.10	0.11
25	Aluminium as Al	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure -11- Surface Water Report

S.No.	TESTS	UNIT	SURFACE WATER QUALITY					
			RESULTS					
			Suna Nadi Upstream	Suna Nadi Down Stream	Baitarani River	Mahadev Nalla Up Stream	Mahadev Nalla Down Stream	Jojo Camp Nalla
1	Colour	Hazen	5	5	5	5	10	10
2	Odour		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	pH		6.79	7.35	7.20	7.08	6.36	6.56
4	Oil & Grease	NTU	<1	<1	<1	<1	<1	<1
5	Total Suspended Solids	mg/l	23	16	10	<10	30	15
6	Dissolved Solid	mg/l	125	112	85	30	53	32
7	BOD for 3 days	mg/l	3	3	<2	<2	8	5
8	COD	mg/l	12	16	18	3	30	27
9	Chlorides as Cl	mg/l	12.6	12.4	10.3	9.6	14.2	12.3
10	Fluoride as F	mg/l	0.20	0.25	<0.1	<0.1	<0.1	<0.1
11	Phosphate as p	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12	Percent Sodium	mg/l	30	30	15.3	23.9	20	32.5
13	Sulphide as S	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
14	Boron as B	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	Residual Sodium Carbonate	mg/l	15	25	2.53	Nil	Nil	Nil
16	Sulphates as SO4	mg/l	6.8	7.5	7.6	<5	10.8	4
17	Iron as Fe	mg/l	0.01	0.10	0.02	0.10	0.10	0.31
18	Zinc as Zn	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
19	Lead as Pb	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
20	TVSS	Coliforms / 100	15	<10	<10	<10	Nil	<10

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure – 12A: Details of employees undergone IME

DETAILS OF IME					
Sl.No	Employee Name	Designation	PME Frequency	Date of Test	NEXT PME
1	Prashna Palei	Excavator Operator	5 Years	11-04-2017	11-04-2022
2	Pabitra Mohan Naik	Helper	5 Years	05-04-2017	05-04-2022
3	Nihar Rajan Naik	Helper	5 Years	05-04-2017	05-04-2022
4	Upendra Karua	Sweeper	5 Years	05-04-2017	05-04-2022
5	Devraj Sandil	Sweeper	5 Years	05-04-2017	05-04-2022
6	Raju Karua	Sweeper	5 Years	11-04-2017	11-04-2022
7	Fanibhusan Naik	Helper	5 Years	05-04-2017	05-04-2022


S. Te.

**Mines Manager
Deojhar Iron Mines
M/s. Tarini Minerals (P) Ltd.**

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure – 12B: Details of employees undergone PME

DETAILS OF PME					
Sl.No	Employee Name	Designation	PME Frequency	Date of Test	NEXT PME
1	Umesh Chandra Mohanta	Manager-Mines	3 Years	08-07-2017	08-07-2020
2	Rudra Narayan Mohanty	Assistant Officer-Logistics	5 Years	08-07-2017	08-07-2022
3	Bidhubhusan Pradhan	Assistant Officer-Logistics	5 Years	20-07-2017	20-07-2022
4	Haladhar Lohar	Mining Mate	3 Years	11-07-2017	11-07-2020
5	Debabrata Das	Assistant Officer-Logistics	5 Years	08-07-2017	08-07-2022
6	Prasant Kumar Nayak	Assistant Officer-HR	5 Years	25-07-2017	25-07-2022
7	Bijay Kumar Panda	Senior Engineer-Electrical	5 Years	11-07-2017	11-07-2022
8	Harish Chandra Pandab	Senior Supervisor-Facility	3 Years	14-04-2017	14-04-2020
9	Jitendra Kumar Das	Officer-HR	5 Years	11-04-2017	11-04-2022
10	Arabinda Rout	Deputy Manager-HR	5 Years	24-04-2017	24-04-2022
11	Bijay Kumar Behera	Driver LMV	5 Years	19-05-2017	19-05-2022
12	Raj Kishore Sahoo	Senior Supervisor-Civil	5 Years	19-09-2017	19-09-2022
13	Kasinath Mishra	Senior Store Keeper	5 Years	20-08-2015	20-08-2020
14	Sidharam Sinku	Driver HMT	5 Years	07-07-2017	07-07-2022
15	Chakradhar Naik	Driver LMV	5 Years	11-04-2017	11-04-2022
16	Ramakant Tripathy	Deputy officer-Warehousing	3 Years	19-03-2017	19-03-2020
17	Suresh Gardia	Driver LMV	5 Years	09-04-2017	09-04-2022
18	Rajesh Mahakud	Driver HMT	5 Years	08-07-2017	08-07-2022
19	Madhu Bisram	Cook	3 Years	23-04-2017	23-04-2020
20	Akshay Kumar Sahoo	Loader Operator	5 Years	26-07-2017	26-07-2022
21	Deepak Kumar Naik	Driver HMT	5 Years	07-07-2017	07-07-2022
22	Naresh Kumar Naik	Driver HMT	5 Years	07-07-2017	07-07-2022
23	Prasanta Kumar Rout	Driver LMV	5 Years	07-07-2017	07-07-2022
24	Amalendu Maity	Driver LMV	5 Years	18-07-2017	18-07-2022
25	Chandrakanta Mishra	Senior Pharmacist	5 Years	11-07-2017	11-07-2022
26	Niranjan Giri	Officer-Security	3 Years	07-07-2017	07-07-2020
27	Girija Shankar Mahanta	Driver HMT	5 Years	31-07-2017	31-07-2022


 Mines Manager
 Deojhar Iron Mines
 M/s. Tarini Minerals (P) Ltd.

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure -13

Details of Environmental Expenses						
Environmental Expenditure of Deojhar Iron Ore Mining Project of M/s. Tarini Minerals Pvt. Ltd, District, Keonjhar, Orissa.						
		Cost, Rs. In Lakhs				
Sl. No.	Activity	2012-2013	2013-2014	2014-2015	2016-2017	2017-2018
1	Dry-fog system installed & maintenance	1.00	0.16	0.05	0.40	0.00
2	Arrangement of wetting provision at drilling machine	0.00	0.00	0.00	0.00	0.00
3	Water tankers two no's for water sprinkling	4.10	4.71	3.55	2.70	8.08
4	Plantation program with maintenance cost	2.60	0.58	0.85	0.15	5.41
5	Purchasing & monitoring equipment's	0.00	0.00	0.00	0.00	0.00
6	Occupational Health & Hygiene	3.45	5.13	3.00	6.91	5.50
7	Rain water harvesting structures	0.20	0.25	0.23	00	0.10
8	Check dam, retaining wall maintenance work	1.80	5.91	1.55	1.00	0.50
9	Site specific sewage treatment plant with maintenance	0.50	0.55	0.45	1.50	0.15
10	Dump stabilization with Coir-Geo textiles and vegetation	12.50	3.66	2.00	0.00	12.50
11	Service Centre cum ETP & its maintenance	1.00	0.55	0.65	0.10	0.21
Total amount incurred		27.15	21.5	12.33	12.76	32.30

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Annexure -14- Noise Monitoring Report

Date of Monitoring	Work Zone	Noise Level, dB(A)		
		Min	Max	Leq.
09.09.2017	Village Murgabeda -	25.35	46.35	41.21
10.09.2017	Village - Mahadev Nasa	24.25	44.45	42.25
12.09.2017	Village - Boneikela	39.30	45.24	43.45
14.09.2017	Village - Bhadra sahi	30.22	46.14	43.20
Residential Zone				
03.09.2017	Screening Area Plant	53.50	55.36	54.41
04.09.2017	Loading Point	51.40	58.22	53.25
06.09.2017	Weigh Bridge	50.32	57.25	53.22
08.09.2017	Site Office	45.25	51.2	47.53
03.09.2017	Screening Area Plant	53.50	55.36	54.41
Norm	Residential. Leq	Day Time 55 db (A), Night Time :45 db (A)		
	Industrial, Leq	Day Time 75 db (A), Night Time :70 db (A)		
	Work-Zone during 8 Hr exposure : 85 db (A) –Leq.			

Reporting Period: April, 2017 to September, 2017

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha

Photographs



1. Mobile Water Tanker for dust suppression on mines haul roads.



2. Retaining Wall



3. Coir-Matting for dump stabilization



4. Settling Pond

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha



Pic 5 & 6 – Urban Plantation at Champua of 5000 Saplings.



Pic 7 & 8 – Plantation inside the M.L Area

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha



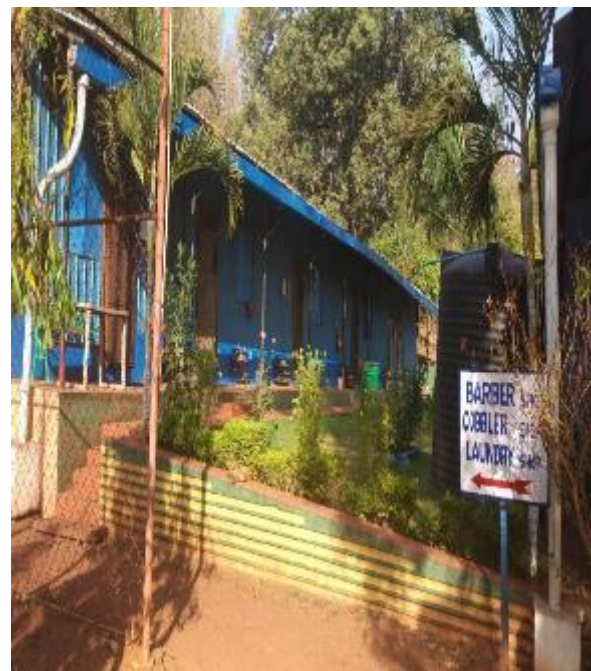
Pic 9- Sewage Treatment Plant



Pic 10- Effluent Treatment Plant



Pic 11- Truck covered with Tarpaulin



Pic 12- Rain water Harvesting

Compliance Status of Environmental Clearance Condition –“ Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd.” Located near village Deojhar (Thakurani RF) of Keonjhar Dist., Odisha



Pic – 13 & 14 – Inter connecting village roads are made up of black top and 24 x7 Ambulance facilities



Photo – 15 & 16 – Development of the temple premise