

The Addnl. PCCF
Eastern Regional Office
Ministry of Environment, Forests & Climate Change,
Govt. of India
A/3, Chandrasekharpur
Bhubaneswar-751 013 (Odisha)

MD/ENV/ 414 /116/17 Date: 29.05.2017

Ref: Environmental Clearance letter no. SEIAA-329 (SEIAA-38/11) dated: 29.06.2011

Sub: Half-yearly compliance status report of Environmental Clearance conditions for the period October'16 - March'17 in respect of Manmora Manganese Mine.

Dear Sir,

We are herewith submitting the six monthly compliance report in respect of the stipulated Environmental Clearance conditions of Manmora Manganese Mine for the period from October'16 - March'17 as per EIA Notification, 2006. We are also sending you the soft copy of the report to your good office on email: mef.or@nic.in for your ready reference.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental Management practices.

Thanking you, Yours faithfully,

f: TATA Steel Limited

Head (Planning), OMQ

Encl

: As above

Copy to

: The Chairman, Central Pollution Control Board, Southernd Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700107 (W. B.)

: The Member Secretary, State Pollution Control Board, Paribesh Bhawan, A/118, Nilkanta Nagar, Unit – VIII, Bhubaneswar – 751012 (Odisha)

: The Regional Officer, State Pollution Control Board, College Road, At/PO-Baniapat, Keonjhar – 758001 (Odisha)

TATA STEEL LIMITED

Mines Division Noamundi 833 217 India
Tel 91 9234301340 Fax 91 6596 290737
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

COMPLIANCE REPORT PERIOD: OCTOBER'2016 - MARCH'2017

ENVIRONMENTAL CLEARANCE NO. SEIAA-38/11 OF MANMORA MANGANESE MINE OF TATA STEEL LIMITED VIDE SEIAA's LETTER NO. SEIAA/329 DATED 29.06.2011

Sl. No.	Conditions	Compliance					
1	The earthen embankments are planned as per WAPCO design; it needs stone walling on both sides to prevent collapse of the embankment as immediately down of the mine are the townships, railway line and some agricultural land.	The outer face as well as the inner face of the embankment has been stone patched as per WAPCO design to prevent collapse of the embankment. Photograph of Stone Pitched Embankment is attached as Annexure-I.					
2	Since the mine has been fully worked and mineral resources have been fully removed, mine closure plan should be implemented forthwith reclaiming the mine pits and revegetation of the mine lease area.	The Progressive Mine Closure Plan has been prepared an duly approved by IBM under MCRD, 1988 for the perio 2015-16 to 2019-20. Green belt development plan has bee under taken at the mine with a total of 1000 nos. of saplin planted of local species in the year 2016-17. Photographs of Sapling Plantation at Manmora are attached as Annexure-II.					
3	The existing overburden dumps and the entire quantity of waste generated shall be back filled and liquidated within five years and there shall be no external overburden dump in the mining lease area. The back filled area shall be afforested and back filling has to be done in a manner that it is restored to the normal ground level. A complete mine closure plan with afforestation/ re-vegetation component with year wise details submitted to the SEIAA within six months and strictly implemented.	The back filling of opencast void is being done by disposal of slime of Joda East Iron Mine as per the approved minin scheme from Indian Bureau of Mines (IBM) which is under same management control. The vacant area and dump slop has been planted with 1000 nos. of local forestry sapling during 2016-17.					
4	The project proponent shall prepare wild life conservation plan in consultation with DFO and adequate safety and mitigation measures should be incorporated to protect the wild life, flora, fauna to mitigate adverse impact.	The site specific wildlife conservation plan for entire lease area of 671.093 ha of Joda East Iron Mine (Within which Manmora lease area of 16.35 ha is included) has been prepared and re-submitted for approval as per the new guidelines. Moreover, ₹ 1,00,66,395/- has been deposited with DFO, Keonjhar, Odisha as the contribution towards implementation of Wild Life Management Plan prepared for Bonai & Keonjhar division during approval of Forest Clearance along with JEIM. The Site Specific Wild Life Conservation Plan has been approved by the PCCF (Wildlife) & Chief Wildlife Warden vide letter no. 3195 dated: 25.04.2016.					
5	Shelter Belt i.e. Wind Break of 15m width consisting of at least 5 tiers around the lease facing the human habitation, school / agricultural land etc. (if any in the vicinity), in the safety zone / backfilled & reclaimed areas around voids & roads shall be raised. Green belt development and selection of plant species shall be as per CPCB guidelines. Density of the trees has to be around 2500 plants per hectare. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. Help & guidance of local DFO may be sought in the matter. Details of year-wise afforestation programme including rehabilitation of mined out area shall be submitted to the SEIAA, Odisha within six months.	The afforestation program since 2005-06 to till date is furnished below- Year of Plantation (Nos.) 2005-06 1500 0.50 83 2490 2006-07 1500 0.50 80 2400 2007-08 2008-09 2009-10 11693 1.50 75 5847 2010-11 13060 2.30 90 5110 2011-12 5205 1.00 88 4580 2012-13 4000 1.00 82 4000 2013-14 15500 2.50 81 6200 2014-15 10450 1.50 85 6967					

2015-16 1246 1,00 80 Gap filling Total 67908 11.80 81.5 4316 Development of green belt and reclamation is being adhered in accordance with Approved Progressive Mine Column Plan. As the entire mineable resource has been depleted, no further measures for prevention, control and mitigation of Air Pollution, Noise Pollution and Land Pollution including solid water management as mentioned by him in Form 1, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards. 11	Sl. No.	Conditions	Compliance				
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07/10/2011.				-			
The following shall be implemented viz (a) dump run-off Waste dump had become inactive and therefore the slopes							
	15	The following shall be implemented viz (a) dump run-off	Waste dump	had become	inactive	and there	efore the slopes

Sl. No.	Conditions	Compliance			
	should be diverted into a settling pond (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.	have been stabilized by plantation to prevent soil erosion. Catch drains and a garland drain has been provided along the entire dump slope which emanates at low lying part to sedimentation pit. Further, the catch drains and sedimentation pits are periodically de-silted and maintained properly. Rain water harvesting and ground water recharge facilities have been made at the mine site. After the project is implemented it will be ensured to achieve zero water balance.			
16	Maintenance of roads through which transportation are undertaken shall be carried out by the project proponent regularly at its own cost.	All the haul roads are made up of morrum & compacted. Regular repair is being done by dozer & grader after spreading the layer of morrum over it. Water sprinkling arrangement is adequate for suppressing the road dust.			
17	Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of near human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records shall be submitted to SEIAA, Odisha.	The AAQ (fugitive dust) being monitored at one location (near stack yard) twice in a week. Data on Ambient Air Quality monitoring for every month is being submitted to State Pollution Control Board. Abstract of the monthly monitoring data on ambient air quality is enclosed as Annexure-III. There has been no mining activity at Manmora Mn. Mines during the period April'16 to Sep'16 therefore, no fugitive dust emission monitoring has been carried out.			
18	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	The mineral handling is only by manual means during dry season only for manual processing (sorting and sizing) and screening of available sub grade and mineral rejects available at pit head. So, water sprinkling over the area is sufficient to allay the dust generation.			
19	Transportation shall be done by covering the trucks by tarpaulin or other suitable mechanism so that no spillage of ore / dust takes place.	There was no dispatch during the reporting period.			
20	Rain Water Harvesting shall be undertaken to recharge the ground water source.	Rain water harvesting pond has been made at the side of the mining lease under expert consultation of M/s. KRG Foundation, Chennai, to recharge the ground water.			
21	Monitoring of ground and surface water quality shall be regularly conducted and records should be maintained and data shall be submitted regularly to the SEIAA.	The ground water quality at existing well outside the lease hold area and surface water quality is being monitored and the analysis results are enclosed as Annexure-IV.			
22	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 plantation of native trees and shrubs shall be carried out at the dump slopes. Dump shall be protected by retaining wall.	Waste dump had become inactive and therefore the slopes have been stabilized by plantation to prevent soil erosion. Catch drains and a garland drain has been provided along the entire dump slope which emanates at low lying part to sedimentation pit. Further, the catch drains and sedimentation pits are periodically de-silted and maintained properly. The afforestation program since 2005-06 to till date has been undertaken to stabilize the waste dump slope and vacant areas. The details are furnished below: Year of Plantation Saplings Planted (ha) (%) Tree Density/ha 2005-06 1500 0.50 83 2490 2006-07 1500 0.50 80 2400 2007-08 - - - 2008-09 - - - 2009-10 11693 1.50 75 5847 2010-11 13060 2.30 90 5110			

Sl. No.	Conditions		Co	mplian	ce	
1,00		2011-12	5205	1.00	88	4580
		2012-13	4000	1.00	82	4000
		2013-14	15500	2.50	81	6200
		2013-14	10450	1.50	85	6967
		2014-13	1246	1.00	80	1246
					80	
		2016-17 Total	1000 66908	0.00	81.5	Gap Filling 4316
		the waste dur		ntr. nas t	been provid	led at the toe of
23	Trenches/ garland drains shall be constructed at foot of dumps		•	rains are	covering	the entire dump
	to arrest silt from being carried to water bodies. Adequate		•		_	with settling pit
	check dams shall be constructed across the seasonal/	-	•	•		causeway near
	perennial nallahs (if any) flowing through the ML area and	-		•		ce run-offs after
	silts be arrested. De-silting at regular intervals shall be carried	settling.		υ		
	out.	<i>g</i> .				
24	Provision shall be made for the housing of labourers within	Housing facil	ities for the er	nplovees	s has been	provided within
	the site with all necessary infrastructure and facilities such as	_				ining lease hold
	fuel for cooking, mobile toilets, mobile STP, safe drinking	area.	r			8
	water, medical health care, crèche etc. The housing may in					
	the form of temporary structures to be removed after the					
	completion of the project.					
25	Occupational health and safety measures for the workers	PME of empl	ovees (departi	mental &	z contractu	al) of Manmora
	including identification of work related hazards, training on	-				orms of Mines
	malaria eradication, HIV and healthy effects on exposure to					ng the workers
	mineral dust etc. shall be carried out. The proponent shall					es of Joda East
	engage a full time qualified doctor who is trained in			•		nation includes
	occupational health. Periodic monitoring of exposure to			_		cardiovascular
	respirable mineral dust on the workers shall be conducted and	assessment,	neurological	_		c. All chest
	record maintained including health record of workers.	radiographs	are being			detection of
	Awareness programme for workers on impact of mining on		_			tion made in
	their health and precautionary measures like use of personal	-	_			5-16, a total no.
	equipments etc. shall be carried out periodically. Review of	of 152 er	nployees (D	epartme	ntal-16 a	and contractor
	impact of various health measures undertaken (at interval of			-		no findings of
	five years or less) shall be conducted followed by follow up					ich is classified
	action wherever required. Occupational Health Center shall					
	be established near the mine itself.					
26	The Environmental Clearance is subject to Forest Clearance	Forest clearar	nce over the en	ntire fore	est area of	9.373 Ha within
	under Forest (Conservation) Act, 1980.	the lease has	been granted	along v	vith FC of	Joda East Iron
		Mine vide le	etter no. F. 1	No. 8-32	2/1993-FC	(vol-II), dated
		24.09.2007.				
27	The mining operation shall be restricted to above ground					as the ground
	water table and it should not intersect the ground water table.	water being a	t lower level in	n compa	rison to exi	sting maximum
		quarry depth.	No further n	nine dev	elopment v	will be in place
		due exhaustic	on of mineable	resource	e	
28	The top soil shall be temporarily be stored at earmarked site	No top soil w	as generated o	luring th	e reporting	period because
	(s) only and it should not be kept unutilized for long (not	there was no	o mine devel	opment	work und	ertaken due to
	more than 3 years). The top soil shall be used for land	exhaustion of	mineable reso	ource.		
	reclamation and plantation.					
29	The fund earmarked for the environment protection measures	Funds allocat	ed for environ	mental r	nanagemen	t are spent only
	shall be judiciously utilized. Under no circumstances this				-	ted to any other
	funds shall be diverted for other purposes. Year-wise			_		agement for the
	expenditure for this fund should be reported to the SEIAA,					6,05,111 for
						-

Sl. No.	Conditions	Compliance
	Odisha.	Manmora Manganese Mines. Moreover, where replacing the
		loose boulder retaining wall with cemented retaining wall at
		strategic points in the cost included in mining operation.
30	The critical parameters in the ambient air within the impact	The critical parameters in the Ambient Air Quality are being
	zone, peak particle velocity at 300m distance or within the	analyzed. The monthly average of analysis is enclosed as
	nearest habitation, whichever is closer shall be monitored	Annexure-IV: AAQ monitoring report. There is no blasting
	periodically. Further, quality of discharge water shall be	operation being carried out within lease hold area as there is
	monitored {[TDS, DO, pH and Total suspended solids	no mine developmental work due to exhaustion of mineable
	(TSS)}. The monitored data shall be uploaded on the website	resource. There is no generation of mine drainage water as the
	of the company sa well as displayed on a display board at the	mine is working at high hill slope area and does not intersects
	project site at a suitable location near main gate of the	the ground water table. The monitoring data has been
	company in public domain. The Circular No. J-20012/1/2006-	displayed on a board near entrance of the mine.
	IA.II(M), dated 27.05.2009 issued by MoEF which is	
	available on the website of Ministry www.envfor.nic.in shall	
	also be referred in this regard for its compliance.	
31	The project proponent shall obtain necessary prior permission	Water required for water sprinkling and drinking water during
	of the competent authorities for drawl of requisite quantity of	dry season is being supplied from Joda East Iron Mine which
	water (surface water and ground water) required for the	has got the surface water drawl permission from competent
	project.	authority.
32	The above mentioned stipulated conditions shall be complied	All the conditions mentioned above are complied.
	in time bound manner. Failure to comply with any of the	
	conditions mentioned above may result withdrawal of this	
	environmental clearance and attract penal action under the	
	provisions of Environmental Protection (EP) Act, 1986.	

Annexure-I: Stone Pitched Embankment



Annexure-II: Plantation





Annexure-III: Ambient Air Quality Report

Core Zone

Manth		Manmo	ra Slim	e Dam		Ne	ar Rain W	ater H	arvestir	ıg
Month	PM ₁₀	PM _{2•5}	SO ₂	NO _X	CO	PM ₁₀	PM _{2•5}	SO ₂	NO _X	CO
Oct'16	34.93	16.57	4.27	9.59	0.13	37.54	17.66	4.46	10.12	0.15
Nov'16	58.31	29.09	4.68	11.41	0.22	55.13	26.91	4.61	11.61	0.22
Dec'16	70.64	36.11	5.41	13.97	0.32	64.31	32.22	5.24	13.51	0.28
Jan'17	68.66	34.38	5.48	15.24	0.37	64.46	32.40	5.19	14.36	0.33
Feb'17	69.76	35.76	5.45	15.29	0.38	65.65	32.79	5.30	14.56	0.36
Mar'17	61.67	29.87	4.59	12.43	0.28	57.36	27.61	4.33	11.83	0.28
Month	Near New Slime Dam				Near Equipment Maintenance					
Month	PM ₁₀	PM _{2•5}	SO ₂	NO _X	CO	PM ₁₀	PM _{2•5}	SO ₂	NO _X	CO
Oct'16	33.82	15.72	4.12	9.29	0.12	39.63	18.81	4.56	10.29	0.16
Nov'16	62.81	31.05	5.10	12.39	0.24	67.14	33.98	5.48	13.13	0.27
Dec'16	75.63	38.52	5.96	14.76	0.34	84.18	45.62	6.58	15.96	0.38
Jan'17	77.91	39.35	6.73	15.86	0.38	83.88	44.59	7.30	17.28	0.42
Feb'17	79.36	40.51	6.45	16.73	0.44	84.53	45.53	7.29	18.29	0.45
Mar'17	65.49	31.54	5.23	13.84	0.34	69.94	33.84	5.83	14.83	0.37

Buffer Zone

Mandh		Ba	neikela	a			В	irkela		
Month	PM ₁₀	PM _{2•5}	SO ₂	NO _X	CO	PM ₁₀	PM _{2•5}	SO ₂	NO _X	CO
Oct'16	33.80	15.50	4.00	9.25	0.12	34.90	16.70	4.00	9.30	0.12
Nov'16	46.10	22.10	4.25	9.90	0.14	43.65	21.15	4.15	9.85	0.14
Dec'16	52.15	24.80	4.45	10.50	0.17	49.80	24.00	4.30	10.50	0.16
Jan'17	53.20	25.80	4.30	10.50	0.17	51.80	25.00	4.10	9.95	0.15
Feb'17	55.25	26.20	4.25	10.20	0.16	53.90	25.85	4.15	9.85	0.15
Mar'17	44.95	20.45	4.00	9.00	0.13	42.35	19.00	4.00	9.00	0.12
Month	Khuntapani					Joda Colony (VTC)				
Month	PM ₁₀	PM _{2·5}	SO ₂	NO_X	co	PM ₁₀	PM _{2•5}	SO ₂	NO_X	CO
Oct'16	31.05	14.20	4.00	9.15	0.11	32.15	14.95	4.00	9.00	0.10
Nov'16	48.20	23.50	4.50	10.20	0.16	47.40	22.95	4.30	9.90	0.15
Dec'16	54.75	26.65	4.60	11.00	0.19	54.55	26.35	4.45	10.65	0.17
Jan'17	53.70	25.95	4.45	11.05	0.20	50.80	24.90	4.25	10.50	0.17
Feb'17	56.15	26.60	4.50	10.85	0.18	50.75	24.45	4.25	10.45	0.16
Mar'17	48.00	21.80	4.00	9.20	0.14	44.00	19.55	4.00	9.00	0.13

Unit of measurement for all parameters except CO is $\mu g/m^3$. Co is in mg/m^3



Annexure-IV: Ground Water Quality Report (As per BIS 10500:1991)



Ref. NCEPLY 17-12-628

Date: 04.04.2017

GROUND WATER QUALITY ANALYSIS REPORT FOR THE MONTH OF MARCH-2017

Joda East Iron Mines (M/s TATA Steel Limited) 1. Name of Industry

GW-1: Khuntpani Village; 2. Sampling location GW-2: Bounsapani Village . 09.03.2017

3. Date of sampling

4. Date of analysis : 10.03.2017 to 16.03.2017

: VCSPL Representative in presence of TATA Representative Sample collected by

SI.	Parameter	Testing Methods	Unit	Standard as per IS	Analysis Results		
No	rarameter	-10500:1991		-10500:1991	GW-1	GW-2	
Essenti	al Characteristics						
1	Colour	APHA 2120 B, C	Hazen	5	CL	CL	
2	Odour	APHA 2150 B		U/O	U/O	U/O	
3	Taste	APHA 2160 C		Agreeable	AL	AL	
4	Turbidity	APHA 2130 B	NTU	5	<2	<2	
5	pH Value	APHA 4500H ⁺ B		6.5-8.5	7.25	7.34	
6	Total Hardness (as CaCO ₃)	APHA 2340 C	mg/l	300	128	134	
7	Iron (as Fe)	APHA 3500Fe, B	mg/l	0.3	0.27	0.29	
8	Chloride (as Cl)	APHA 4500Cl B	mg/l	250	34	39	
9	Residual, free Chlorine	APHA 4500Cl, B	mg/l	0.2	ND ·	ND	
Desiral	ble Characteristics				57		
10	Dissolved Solids	APHA 2540 C	mg/l	500	205	218	
11	Calcium (as Ca)	APHA 3500Ca B	mg/l	75	34.5	36.1	
12	Magnesium (as Mg)	APHA 3500Mg B	mg/l	30	10.2	10.7	
13	Copper (as Cu)	APHA 3111 B,C	mg/l	0.05	< 0.05	< 0.05	
14	Manganese (as Mn)	APHA 3500Mn B	mg/l	0.1	< 0.005	< 0.005	
15	Sulphate (as SO ₄)	APHA 4500 SO ₄ ² - E	mg/l	200	7.9	7.4	
16	Nitrate (as NO ₃)	APHA 4500 NO ₃ E	mg/l	45	2.8	2.2	
17	Fluoride (as F)	APHA 4500F-C	mg/l	1.0	0.018	0.017	
18	Phenolic Compounds (as C ₆ H ₅ OH)	APHA 5530 B,D	mg/l	0.001	<0.001	< 0.001	
19	Mercury (as Hg)	APHA 3500 Hg	mg/l	0.001	< 0.001	< 0.001	
20	Cadmium (as Cd)	APHA 3111 B,C	mg/l	0.01	< 0.001	< 0.001	
21	Selenium (as Se)	APHA 3114 B	mg/l	0.01	< 0.001	< 0.001	
22	Arsenic (as As)	APHA 3114 B	mg/l	0.05	< 0.001	< 0.001	
23	Cyanide (as CN)	APHA 4500 CN° C,D	mg/l	0.05	ND	ND	
24	Lead (as Pb)	APHA 3111 B,C	mg/l	0.05	< 0.01	< 0.01	
25	Zinc (as Zn)	APHA 3111 B,C	mg/l	5	< 0.05	< 0.05	
26	Anionic Detergents (as MBAS)	APHA 5540 C	mg/l	0.2	<0.2	<0.2	
27	Chromium (as Cr ⁺⁶)	APHA 3500Cr B	mg/l	0.05	< 0.05	< 0.05	
28	Mineral Oil	APHA 5220 B	mg/l	0.01	< 0.001	< 0.001	
29	Alkalinity	APHA 2320 B	mg/l	200	114	122	
30	Aluminium as(Al)	APHA 3500Al B	mg/l	0.03	< 0.001	< 0.001	
31	Boron (as B)	APHA 4500B, B	mg/l	1	< 0.01	<0.01	
32	Poly Aromatic Hydrocarbon as PAH	APHA 6440 B	μg/l		<0.0001	<0.000	
33	Pesticide	APHA 6630 B,C	mg/l	Absent	Absent	Absen	
34	Total Coli form	APHA 9221 B	MPN/100	Not more than 10 MPN/100 ml	<2	<2	

Note: CL: Colourless, AL: Agreeable, U/O: Unobjectionable, ND: Not Detected.

For Visiontek Consult

Annexure-V: Action plan for implementation of commitments made during public hearing on 1/2/2010 for Manmora Mn Mine

Issues raised by public	Commitment of the project proponent	Detail work to be done	Target Date	Fund Allocated (In Lakh)	Status as on 01 st May 2016
	During last 3-4 years Tata Steel has spent more than 12 Crores for construction of roads to improve communication in Joda	Repairing and resurfacing of main road at Joda and Banspani area.		300	Completed
Road & Communication	area. Further Tata Steel is planning to strengthen the roads in subsequent period.	Repairing and resurfacing of roads at Banspani Railway station, Ranasal Ghati to Dharanidhar Chowk, Fountainpark to Dharanidhar Chowk.	31.03.11	200	
	Tata Steel is already having a 45 bedded hospital and there is a plan to increase the capacity further by 20 beds and also adding laparoscopic surgery facility in the hospital.	Provision of Laparoscopic surgery facility.	30.04.10	17	Completed
	Responding to the sale of medicines, it was agreed to make necessary arrangements with the help of local medical shops near to the hospital.	Getting permission from Govt. for 20 more beds.	30.09.10	0.1	Application has been submitted for getting permission and approval is awaited.
Hospital / Health care		Construction of new building for accommodation of 20 more beds.	31.03.11	80	Completed
	Responding to the demand for free medical service, it was agreed to provide the same to the patients coming through Tata Steel Rural Development Society, even if those people do not have BPL cards.	Provision of free medical facility for the patients coming through TSRDS, even if those people do not have BPL cards.	Already implemented	138	Completed. To have better quality control of the medicines and better patient compliance, the medicines are purchased locally and made available through the hospital.

Annexure-V: Action plan for implementation of commitments made during public hearing on 1/2/2010 for Manmora Mn Mine.......Cont.

					already constructed
	get the land allocated from the Government after which necessary classrooms will be constructed phase-wise by Tata Steel.	Construction of classrooms for proposed college.	Within 10 months from the date of receiving land for construction	50	Land has not been provided by the State Govt. At the same time the infrastructure facilities at Joda Women's College and Badbil College has been strengthened. Also arrangements have been made to have XI and XII standard education in Tata DAV School which is
Educational infrastructure	Replying for opening a general college at Joda, Sri Verma suggested / proposed the people of Joda to form a committee. It was further proposed that this committee should	Provision of desks benches & tables in the village Kamarjoda, Khuntpani and Banspani.	31.10.10	6	Completed
	Tata Steel has always been committed in developing the educational infrastructure in and around the area they operate for strengthening the educational qualities by way of providing better class rooms, good teachers and other necessary infrastructure like g desks / benches / tables and this is a continuous process. Further, responding to the demands of the people of Kamarjoda, Khuntpani and Banspani regarding educational facilities, it was agreed to provide more infrastructural facilities like class room, desks / benches / tables.	Construction of more class rooms in the village Kamarjoda, Khuntpani and Banspani	31.12.10	24	Completed