

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

MD/ENV/593/116/15 Date: 20.11.2015

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 April'15-Sep'15 in respect of Manmora Manganese Mine.

Dear Sir,

We are herewith submitting the six monthly compliance reports in respect of the stipulated environmental clearance conditions of Manmora Manganese Mine for the period from April'15 to Sep'15 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,

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

COMPLIANCE REPORT PERIOD: APRIL '2015 TO SEPTEMBER '2015

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.	Stipulated Conditions	Compliance status
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 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 and duly approved by IBM under MCRD, 1988 for the period 2015-16 to 2019-20. Green belt development plan has been under taken at the mine with a total of 10450 nos. of sapling planted of local species in the year 2014-15. 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 mining scheme from Indian Bureau of Mines (IBM) which is under same management control. The vacant area and dump slope has been planted with 10450 nos. of local forestry saplings over 1.5 ha during 2014-15.
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 Joda East Iron Mine.
- 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	Saplings Planted (Nos.)	Area (ha)	Survival Rate (%)	Tree Density /ha
2005-06	1500	0.500	83	2490
2006-07	1500	0.500	80	2400
2007-08	-	-	-	-
2008-09	-	-	-	-
2009-10	11693	1.500	75	5847
2010-11	13060	2.300	90	5110
2011-12	5205	1.000	88	4580
2012-13	4000	1.000	82	4000
2013-14	15500	2.5	81	6200
2014-15	10450	1.5	85	6967
2015-16	1246	1.0		1246
Total	66908	11.8	81.5	4316

Development of green belt and reclamation is being adhered in accordance with Approved Progressive Mine Closure Plan.

- The applicant (Project Proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Noise Pollution and Land Pollution including solid waste 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.
- As the entire mineable resource has been depleted, no further mining activities is being undertaken within the lease hold area. However, the production of finished ore will be continued by manual screening and processing of sub-grade mineral and mineral rejects already available at pit head during dry season only. Hence, there is no Air Pollution, Noise Pollution and Land pollution could be observed which emanates from Manmora Mn Mine.
- Further, to control the air pollution during dry seasons, water sprinkling by mobile water tanker is being done.

The applicant will take necessary steps for • The company deploys the Tata Steel Rural socio-economic development of the people Development Society (TSRDS) for socioof the area on need based assessment for economic development of the area on need providing employment, education, health based assessment by providing employment, care, drinking water and sanitation, road and education, health care, drinking water and communication facilities etc. after a detailed sanitation. primary socio-economic survey. The applicant will comply to the points, • Most of the commitments made during the concerns and issues raised by the people Public Hearing, have been complied suitably during public hearing on 01.02.2010 in and the point wise status report is enclosed as accordance with the commitments made by PH commitment implementation report is him thereon. attached as Annexure-V. The project proponent shall take necessary • The disposal of tailings is being continued safeguard measures to ensure that there is no during the period Apr'15 to Sep'15. leaching from the tailing pond. • The Tailing dam has been designed by M/s. WAPCOS Ltd. a Central Govt. organization having expertise in designing and construction of such dams. Adequate safeguard measures have been taken to prevent any leaching from the tailing dam. No spill or leaching incidents have taken place to date. 10 The decanted water from the tailing pond • The disposal of tailings has commenced on shall be re-circulated and there should be trial basis during the period Apr'12 to Sept'12 zero discharge from the tailing pond. and is being continued. • The slime is stored in the zero discharge slime pond. The decanted water from the slime pond is completely recycled back to beneficiation plant within the Joda East Iron Mine ensuring zero outside discharge. The applicant will take statutory clearance / 11 • All required statutory clearances/ approvals/ approval / permissions from the concerned permissions from the concerned authorities in authorities in respect of his project as and respect of the project have been obtained. when required. 12 For post environment clearance monitoring, • Half yearly compliance report for the year applicant will submit half-yearly 2015-16 in respect of the stipulated terms and compliance report in respect of stipulated conditions of the EC is being submitted terms and conditions of Environment herewith to the Regional Office of the Clearance to the State Environmental Impact Ministry of Environment and Forests, Assessment Authority (SEIAA), Orissa on 1st Bhubaneswar and also by e-mail. June & 1st December of each calendar year.

13 The core zone should be monitored • Due to small lease area and non-operative intensively with nos. of stations as prescribed mine, one ambient air monitoring station has by CPCB, Delhi. The detailed methodology been identified at the stack yard which will adopted for analysis of samples shall be active during manual processing of sub-grade clearly indicated. and mineral reject of manganese ore. The detailed methodology for analysis of samples are furnished belowa. PM $_{10}$: Avg. Flow rate not less than 1.1 m 3 / b. PM _{2.5}: Avg. Flow rate not less than 1.1 m³ / min c. SO₂: Improved West Gaeke & Ultraviolet Flouroscence d. NOx: Jacob & Hochhelser modified (Na-Arsenite) and Gas Phase Chemilminescence e. CO: Non dispersive Infrared Spectroscopy & f. Mn: Colorimetric method The proponent shall submit base line data on • The base line data on flora & fauna and the list flora and fauna and CSR activities carried of CSR activities already carried out in the out within three months to the SEIAA. area have been submitted to SEIAA vide our letter No. MD/ENV/519/116/2011. dated: 07/10/2011. 15 The following shall be implemented viz (a) • Waste dump had become inactive and dump run-off should be diverted into a therefore the slopes have been stabilized by settling pond (b) adequate rain water plantation to prevent soil erosion. harvesting and ground water recharging • Catch drains and a garland drain has been facilities should be developed in the core provided along the entire dump slope which zone (c) attempt should be made to achieve emanates at low lying part to sedimentation zero water balance. • 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 Apr'15 to Oct'15 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.	• The trucks are being covered with tarpaulin during dispatch of manganese ore from mine to Ferro Alloys Plant and Railway Siding located at Joda.
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 .

- 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 (Nos.)	Area (ha)	Survival Rate (%)	Tree Density /ha	
2005-06	1500	0.500	83	2490	
2006-07	1500	0.500	80	2400	
2007-08	-	-	-	-	
2008-09	-	-	-	-	
2009-10	11693	1.500	75	5847	
2010-11	13060	2.300	90	5110	
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2013-14	15500	2.5	81	6200	
2014-15	10450	1.5	85	6967	
2015-16	1246	1.0		1246	
Total	66908	11.8	81.5	4316	

- The retaining wall of 710 mtr. has been provided at the toe of the waste dump.
- Trenches/ garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies. Adequate check dams shall be constructed across the seasonal/ perennial nallahs (if any) flowing through the ML area and silts be arrested. De-silting at regular intervals shall be carried out.
- Catch drains and garland drains are covering the entire dump slope at toe part. Similarly, a garland drain with settling pit has been provided near the railway track and causeway near railway culverts for directing the flow of surface run-offs after settling.

- Provision shall be made for the housing of labourers 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 in the form of temporary structures to be removed after the completion of the project.
- Housing facilities for the employees has been provided within a centralized camp at Joda East beyond the mining lease hold area.
- 25 Occupational health and safety measures for the workers including identification of work related training hazards, on malaria eradication, HIV and healthy effects on exposure to mineral dust etc. shall be carried out. The proponent shall engage a full time qualified doctor trained who is occupational health. Periodic monitoring of exposure to respirable mineral dust on the workers shall be conducted and record maintained including health record of workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. 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.
- The production of finished ore will be continued by manual screening and processing of sub-grade mineral and mineral rejects already available at pit head during dry season only.
- Due to this temporary nature of job, the laborers from our Joda West Manganese Mine will be deployed at the mine. Hence, Periodical Medical Examination of employees (departmental & contractual) are conducted as per prescribed norms of Mines Rule, 1955 at Joda West Mn. Mine covering the workers identified for Manmora.
- The initial and periodical examination includes blood haematology, blood pressure, cardiovascular detailed assessment, neurological examination etc. All chest radiographs are being classified for detection pneumoconiosis, diagnosis and documentation made in accordance to ILO classifications.
- During 2011-12, 415 nos. of employees were examined while during 2012-13, 301 nos. of employees (contractual and departmental) were examined. During 2013-14 a total no. of 66 employees (Departmental-16 and contractor employees-50) were examined. During 2014-15, a total no. of 139 employees (Departmental-10 and contractor employees-129) were examined which are included in the compliance report of Joda West. There are no findings of pneumoconiosis and manganese poisoning which is classified as occupational disease.

26	The Environmental Clearance is subject to Forest Clearance under Forest (Conservation) Act, 1980.	• Forest clearance over the entire forest area of 9.373 Ha within the lease has been granted along with FC of Joda East Iron Mine vide letter no. F. No. 8-32/1993-FC (vol-II), dated 24.09.2007.
27	The mining operation shall be restricted to above ground water table and it should not intersect the ground water table.	• Mining is not intersecting the ground water as the ground water being at lower level in comparison to existing maximum quarry depth. No further mine development will be in place due exhaustion of mineable resource.
28	The top soil shall be temporarily be stored at earmarked site (s) only and it should not be kept unutilized for long (not more than 3 years). The top soil shall be used for land reclamation and plantation.	No top soil was generated during Apr'15 to Sep'15 because there was no mine development work undertaken due to exhaustion of mineable resource.
29	The fund earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this funds shall be diverted for other purposes. Yearwise expenditure for this fund should be reported to the SEIAA, Odisha.	 Funds allocated for environmental management are spent only for environment related purposes and not diverted to any other purpose. The utilization of environment management for the period Apr'15 to Sep'15 was Rs. 6,05,111 (Monitoring-Rs.4,59,328/- & Plantation-Rs.1,45,784/-) against the annual budget of Rs.10,22,500/- (Monitoring-Rs, 4,60,000/- & Plantation-Rs.5,62,500/-) for 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 zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharge water shall be monitored {[TDS, DO, pH and Total suspended solids (TSS)}. The monitored data shall be uploaded on the website of the company sa well as displayed on a display board at the project site at a suitable location near main gate of the company in public domain. The Circular No. J-20012/1/2006-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.	 The critical parameters in the Ambient Air Quality are being analyzed. The monthly average of analysis is enclosed as Annexure-IV: AAQ monitoring report. There is no blasting operation being carried out within lease hold area as there is no mine developmental work due to exhaustion of mineable resource. There is no generation of mine drainage water as the mine is working at high hill slope area and does not intersects the ground water table. The monitoring data has been displayed on a board near entrance of the mine.

31	The project proponent shall obtain necessary	• Water required for water sprinkling and
	prior permission of the competent authorities	drinking water during dry season is being
	for drawl of requisite quantity of water	supplied from Joda West Manganese Mine
	(surface water and ground water) required	which has got the surface water drawl
	for the project.	permission from competent authority.
32	The above mentioned stipulated conditions	• All the conditions mentioned above are
	shall be complied in time bound manner.	complied.
	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.	

Stone Pitched Embankment Annexure-I



Plantation Annexure-II







		Industrial area								Residential area										
Month	South of Primary Crusher			Mining area			Electrical sub-station			Near Triveni housing										
	PM ₁₀	PM _{2•5}	SO_2	NO _X	СО	PM ₁₀	PM _{2•5}	SO_2	NO _X	CO	PM ₁₀	PM _{2•5}	SO ₂	NO _X	СО	PM ₁₀	PM _{2•5}	SO_2	NO _X	СО
Apr'15	55.38	38.13	9.54	9.81	ND	54.63	37.25	9.46	9.79	ND	46.13	28.88	8.61	8.85	ND	42.63	25.63	8.26	8.50	ND
May'15	54.13	36.50	9.43	9.66	ND	53.38	35.38	9.34	9.58	ND	44.75	27.13	8.63	8.89	ND	41.25	23.50	8.13	8.38	ND
Jun'15	42.50	24.88	8.25	8.48	ND	42.38	24.50	8.24	8.46	ND	37.88	19.88	7.85	8.09	ND	35.50	17.63	7.55	7.76	ND
Jul'15	38.38	20.63	7.84	8.08	ND	37.75	20.13	7.90	8.11	ND	35.25	17.38	7.51	7.71	ND	33.88	16.13	7.39	7.61	ND
	Near Electronic Display Board			ard	Near Manmora Manganese Mines		Near Slime Dam			Near Magazine Area										
Aug'15	54.25	30.90	4.45	11.74	0.17	45.0	26.3	4.1	10.8	0.13	40.5	23.7	4.1	10.3	0.12	49.00	28.53	4.28	11.3	0.15
Sep'15	53.00	30.50	4.30	11.62	0.18	43.67	25.22	4.04	10.54	0.14	39.44	23.2	BDL	10.1	0.12	47.89	27.79	4.13	10.1	0.16

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



Date of	Sampling:	25th	May	2015
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SI No.	Parameter	Permissible Limits	OW*	OW* Banspani
			Khuntpani (J3)	(J4)
1	pН	6.5-8.5	7.32	7.63
2	Chloride, ppm	250	18.42	24.76
3	Iron, ppm	0.3	0.25	0.21
4	Fluoride, ppm	0.6-1.2	0.74	0.68
5	TDS, g/l	500	29.56	27.33
6	EC, ms/m	600	223.41	158.65
7	Sulphate	400	16.67	12.85
8	Nitrate	45	16.13	23.58
9	Calcium, ppm	200	14.38	15.42
10	Magnesium, ppm	30	13.34	12.57
11	Arsenic, ppm	0.05	0.001	0.002
12	Manganese, ppm	0.30	0.042	0.038
13	Zinc, ppm	5	0.014	0.026
14	Chromium, ppm	0.05	0.013	0.034
15	Lead, ppm	0.05	0.006	0.004
16	Microbial count (CFU/ml) after 24 h	10	Nil	Nil

*OW: Open well

Dr. R. K. Panda dessor of Land & Water Resources Engg. Deptt. of Agricultural & Food Engg. Indian Institute of Technology Karagpur-721302, India

Date of Sampling: 24th August 2015

Sl No.	Parameter	Permissible Limits	OW* Khuntpani (J3)	OW* Banspani (J4)
1	рН	6.5-8.5	7.32	7.48
2	Chloride, ppm	250	16.62	25.28
3	Iron, ppm	0.3	0.24	0.17
4	Fluoride, ppm	0.6-1.2	0.78	0.76
5	TDS, g/l	500	25.46	6.25
6	EC, ms/m	600	32.16	30.33
7	Sulphate	400	16.38	14.49
8	Nitrate	45	15.21	22.36
9	Calcium, ppm	200	13.64	10.62
10	Magnesium, ppm	30	12.83	10.74
11	Arsenic, ppm	0.05	0.004	0.003
12	Manganese, ppm	0.30	0.025	0.016
13	Zinc, ppm	5	0.022	0.027
14	Chromium, ppm	0.05	0.006	0.011
15	Lead, ppm	0.05	0.005	0.006
16	Copper, ppm	0.05	ND	ND
17	Cadmium, ppm	0.01	0.005	0.003
18	Mercury, ppm	0.001	ND	ND
19	Selenium, ppm	0.01	ND	ND
20	Microbial count (CFU/ml) after 24 h	10	Nil	Nil

*OW: Open well

PKJ 6 2019/15

Dr. R. K. Panda
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Indian Institute of Technology
Karagpur-721302, India

Issues raised by public	Commitment of the project proponent	Detail work to be done	Target Date	Fund Allocated (In Lakh)	Status as on 29 th May 2015
	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.

	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
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
	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 under construction with a budget of Rs 10 Crore and is likely to be completed in FY'16.
			Total	815.1	