

**Rail Wheel Plant/Bela
(Ministry of Railways)
Govt. of India**



Office of the
Chief Administrative Officer,
Administrative Building,
Village- Bela, Block- Dariapur,
District- Saran(Chhapra), Bihar-841221

**DETAILED CONDITION COMPLIANCE OF ENVIRONMENTAL CLEARANCE FOR
RAIL WHEEL PLANT/BELA OF INDIAN RAILWAYS (GOVT. OF INDIA)**

FOR THE PERIOD OF OCTOBER 2013 TO MARCH 2014

Conditions as per MoEF F. No. J-11011/527/2010-IA-II (I) Dt: 12.01.2012	COMPLIANCE
PART A - SPECIFIC CONDITIONS	
i. The company shall install fume extraction system, wet scrubber and bag filters etc. to control the particulate emissions below 50 mg/Nm ³ .	RWP/Bela has installed fume extraction system, dust below 50 mg/ extraction system and bag filters to control the particulate emissions below 50 mg/NM ³ .
ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 should be followed.	RWP/Bela is following National Ambient Air Quality Standards 2009 and regular monitoring of ambient air quality is being done. Test Reports are enclosed as Annexure – I .
iii. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.	RWP/Bela has installed fume extraction system, dust extraction system, dust suppression system and bag filters to control the gaseous as well as fugitive emissions from all the sources within the latest permissible limits issued by MoEF. AAQ Monitoring & Stack Emission Monitoring Reports are enclosed as Annexure – I & II .
iv. The Company shall explore the feasibility of using producer gas as fuel in place of LPG.	RWP/Bela is a secondary steel manufacturing unit, where no by-products are generated. Setting of producer gas plant requires more than 10 Acres additional space, which will increase the project cost due to additional land, plant & machinery requirements. Therefore, setting up of Producer Gas Plant is not viable solution. The use of LPG is most techno-economically & environment friendly option.

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v. The total water requirement shall not exceed 250m ³ /day. Permission to draw ground water shall be obtained from the Competent Authority as may be applicable in this case. No effluent shall be discharged and zero discharge shall be adopted.	The total water requirement will not exceed 250 m ³ /day. Rwp/Bela has got NOC for ground water withdrawal from Central Ground Water Authority (CGWA) vide letter no. 21-4(141)/MER/CGWA/2012-216, dated 05.02.2013. RWP/Bela will not discharge any effluent and zero discharge will be adopted. Ground Water analysis reports are enclosed as Annexure – III.
vi. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	We are making arrangements for harvesting the rain water & all the rain water harvested will be used for recharging the ground water.
vii. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry & Regional Office at Bhubaneswar, BSPCB and CPCB within 3 months of issue of environment clearance letter.	Risk and Disaster Management Plan along with the mitigation measures has been prepared and sent vide this office letter no. MoEF/EC/1, dated 26.12.2012.
viii. As proposed, green belt shall be developed in 33 % of the plant area with a minimum 15-20 m width all around. Plant layout shall be revised accordingly. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Green Belt is being developed in 33 % of the plant area with a minimum 15-20 m width all around. Selection of plant species has been done as per the CPCB guidelines in consultation with the DFO.
ix. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 30 th June, 2011 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry & Regional Office at Bhubaneswar.	RWP/Bela has not made any commitments during public hearing. It is a Central Govt. Organization under Ministry of Railways. No separate budget has been allocated for the same.
x. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues & locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry & Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	The total one time and first three years of recurring expenses will be about 88 Crores (approx.). Details are as follows :- <ol style="list-style-type: none"> 1. Road from Naya Gaon to Plant site (6.5 km.)- 15 crore (already made) 2. Health unit . 1.6 Crore (Being made & will be functional shortly) 3. Kendriya Vidyalaya . 4 Crore (Already made and functional) 4. Shopping Complex . 1.8 Crore (under

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	<p>construction and will be functional shortly)</p> <ol style="list-style-type: none"> 5. Plantation of 91.54 acres land . 10 Lakh (ongoing) 6. Fire fighting tenders. 40.6(App)Lakhs (Are in operation) 7. Indirect employment for the outsourcing of non-core activities for local people . 9.3 crore (continuous process for next 3 years) 8. Annual expenditure by the 1000 Employees (50% of their salary) . 54 Crore (continuous process for next 3 years) 9. Fume Extraction System- 5.08 Crore (App), Already installed.
<p>xi. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.</p>	<p>Construction labours are outsourced from surrounding locality by the Tenderer of RWP/Bela. They are providing the facilities of canteen, toilets, safe drinking water, medical health care etc.</p>
<p>xii. The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.</p>	<ol style="list-style-type: none"> (i) As per regular check done by consultant, which is MoEF/GOI approved Lab. (ii) Organizational chart for monitoring the environmental parameters has already been sent vide this office letter no. MoEF/EC/10, dated 31.12.2012. (iii) As (i) above.
<p>PART B. GENERAL CONDITIONS</p>	
<p>i. The project authorities must strictly adhere to the stipulations made by the Bihar State Pollution Control Board and the State Government.</p>	<p>RWP/Bela has obtained Consent to Establish (NOC) & Consent to Operate under Air Act & Water Act from Bihar State Pollution Control Board, Patna. Discharge and Emission consents are valid till 30.09.2015. Compliances of the conditions laid down in the NOC, Discharge & Emission Consent are being complied. The State Govt. has cleared the site</p>

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	and Plan approval of RWP/Bela as per provisions of Factories Act 1948 and Bihar Factories Rules 1950. RWP/Bela has obtained the factory Licence from Factory Inspector Chhapra (Bihar) vide registration No. 4075/BR/SRN, dated 26.03.2013.
ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further expansion or modifications in the RWP/Bela will be carried out without prior approval of the Ministry of Environment and Forests.
iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The gaseous emissions from various process units will conform to the load/mass-based standards notified by this Ministry on 19 th May 1993 and standards prescribed from time to time.
iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	We have established 04 (Four) AAQ monitoring stations in downward directions. The same has already been informed to BSPCB. However, AAQ Monitoring is being carried out in the downward direction. Test Reports from October-2013 to March-2013 are enclosed as Annexure – I & Stack Emission Monitoring Reports are enclosed as Annexure II .
v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	No Industrial Water will be generated from the RWP/Bela, as water will only be used for cooling purposes. Moreover, a STP of 500 m ³ /day capacity is installed for treatment of any type of waste water generated in the project premises. Domestic effluent will be treated in septic tank followed by Up-flow anaerobic filter. The treated waste water will be utilized for plantation purposes.
vi. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	All sources of noise generation are equipped with acoustic hoods/silencers/enclosures etc. for maintaining the overall noise levels in and around plant area within the standards [85 dB (A)]. Ambient Noise Level Reports are enclosed as Annexure – IV .

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vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	RWP/Bela has started Occupational health surveillance of the workers on regular basis and records is being maintained medical department (ACMD) of RWP/Bela as per the Factories Act after start of regular production.
viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	RWP/Bela is developing surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and public hearing reports. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	<p>RWP/Bela will comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and public hearing reports.</p> <p>However for socio-economic development activities in the surrounding villages of RWP/Bela has planned to do or has already done following works;</p> <ol style="list-style-type: none"> 1. Road from Naya Gaon to Plant site. 2. Health unit. 3. Kendriya Vidyalaya. 4. Shopping Complex. 5. Plantation of 91.54 acres land. 6. Fire fighting vehicles. 7. Indirect employment for the outsourcing of non-core activities for local people. 8. Annual expenditure by the 1000 Employees (50% of their salary).
x. Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	Requisite one time amount (About Rs.30 Crore) is earmarked towards capital cost for Plantation, Installation of fume Extraction System, Incineration, Fire fighting vehicles etc and recurring cost/annum (55 Lakhs app) for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and maintenance cost of for Plants, fume Extraction System, Incineration, Fire fighting vehicles etc. These funds will not be diverted for any other purpose.

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xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	RWP/Bela has already sent the clearance letter to the mentioned bodies/organizations. Copy of clearance letter has already been uploaded on Workshop project website www.workshopprojects.org.in
xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	RWP/Bela is uploading the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website (www.rwp.indianrailways.gov.in) and updating the same periodically. It is simultaneously being sent to the Regional Office of the MOEF at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO ₂ , NO _x (ambient levels as well as stack emissions) and other critical sectoral parameters is being monitored and will be displayed at a convenient location near the main gate of the company in the public domain.
xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.	RWP/Bela is submitting six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF.
xiv. The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	The environmental statement for each financial year ending 31 st March in Form-V for FY 2012-13 has been submitted by RWP/Bela to Bihar State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and also be put on the website of the company (www.rwp.indianrailways.gov.in) along with the status of compliance of environmental conditions and also had been sent to the respective Regional Office of the MOEF at

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	Bhubaneswar by e-mail.
xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.	RWP/Bela has Already published the Environmental Clearance notice in two local news papers on 19 th Jan. 2012.
xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	The date of financial closure and approval of completion report shall be intimated.

(J.P.Pandey)
Works Manager-II
Rail Wheel Plant, Bela