

State Level Environment Impact Assessment Authority, Rajasthan

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No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project /Cat.3(a)B2(386)/2019-20 Dated:

15 MAY 2020

M/s Manglalspat (J) Ltd.

Project In charge:- Shri Sitaram Agarwal,

Add.- SP-187-189 Industrial Area,

Bagru-Ph-II, District- Jaipur (Raj.)

Sub:-Amendment of EC to M/s Manglalspat (Jaipur) Limited (MS ingots/Billets & MS Bars manufacturing unit) situated at SP-187-189, RIICO Industrial Area, Bagru Phase-II, Tehsil- Sanganer, District-Jaipur (Proposal No.- 121200)

This has reference to your application dated 3.02.2020 seeking amendment of the EC granted to M/s Manglalspat (Jaipur) Limited by SEIAA vide letter dated 30.07.2012 for production of 84,600 TPA of MS ingots and 1,20,000 TPA of MS Bars, with a view to getting inclusion, in the earlier EC dated 30.07.2012, of two furnaces of 7 TPH and 12 TPH and 2 DG sets of 125 KVA and 1 DG set of 380 KVA (total -3) as the same were not included in the earlier EC. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Appraisal Committee Rajasthan, in its meeting held on 17 & 18th March, 2020.

2. Brief details of the Project:

S. No.	Particular	Description			
1.	Project location	RIICO Indl Area, Bagru-Ph-II, Jaipur. The geographical location of the unit is as under:-			
		NW		NE	
		Latitude-26° 48' 27.20" (N)		Latitude-26° 48' 27.50" (N)	
		Longitude-75°34'28.70" (E)		Longitude-75° 34' 32.40" (E)	
		SE		SW	
		Latitude-26° 48' 26.60" (N)		Latitude-26° 48' 25.32" (N)	
		Longitude-75°34'34.90"(E)		Longitude-75° 34' 28.81" (E)	
2.	Plant Capacity	Particulars	Capacity (TPA)		
			As per EC TPA	Proposed TPA	Total TPA

		MS Ingots/Billets	84,600	--	84,600
		MS bars	1,20,000	--	1,20,000
3.	Total area	64,600 sq.m.			
4.	Water demand/Source	S. No.	Particulars	Water Demand (KLD)	
				As per EC	Amendment
		A	One time water demand	150	155.5
		B	Total Fresh water demand	19.5	No change
		C	Recycled water demand	130.5	136
		Source: water tanker for industrial purpose and RIICO water supply for drinking purpose only			
5.	Waste Water Generation	Industrial waste water: 16 KLD Domestic waste water: 5.2 KLD			
6.	Waste Water Management	<ul style="list-style-type: none"> 16 KLD waste water is being generated from the proposed industrial activity which is being treated and reused in industrial process Domestic waste water is being disposed in Septic tank & soak pit. 			
7.	Employment Generation	As per EC = 66 workers Amendment = 145 workers			
8.	Power Supply/Start up Power	S. No.	Particulars	As per EC	Amendment
		1.	Contract Demand	8000 kVA	9740 kVA
		2.	Connected Load	11700 HP	16,000 HP
		S. No.	Particulars	As per EC (kVA)	Proposed (kVA)
		1.	DG set	--	3 nos. 2 x 125 kVA 1 x 380 kVA
		2.	Transformer	1600 kVA	-
9.	Environment Management Plan with budgetary provision.	The project is amendment in existing EC			

10.	CSR Activities	The project is amendment in existing EC
11.	STP	The project is amendment in existing EC
12.	Green Belt/ Plantation area and % of total area in sq. mts.	--
13.	Budgetary Breakup for Labour	The project is amendment in existing EC

3. Keeping in view the information contained in the documents submitted by the PP and presentation made by him before the SEAC and after detailed deliberations, the members resolved to recommend to SEIAA for the amendment in EC granted to M/s Mangla Ispat (J) Ltd., by SEIAA vide letter dated 30.07.2012 for production of 84,600 TPA of MS ingots and 1,20,000 TPA of MS Bars, to the following effect.

S.No.	Plant/ Equipment/ Facility	Configuration in the earlier EC dated 30.07.2012	Proposed amendment in the EC	Final Configuration after amendment	Remarks
1.	DG set	0	125	125	KVA
2.	DG set	0	380	380	KVA
3.	Induction Furnace	0	7	7	TPH
4.	Induction Furnace	0	12	12	TPH
5.	DG set	0	125	125	KVA

The PP has also sought following amendments in the earlier EC dated 30.07.2012:


S. No	Reference earlier EC	Description as per earlier EC	Proposed amendment in the EC	Remarks
1	30.07.2012	Employment -66 no.	Employment- 145 no.	Inadvertently mentioned in EC
2	30.07.2012	One time water demand 150 KLD; Recycled Water 131.5	One time water demand 155.5 KLD; Recycled water- 136 KLD	Daily fresh water requirement remains same (19.5)

Subject to some specific and general conditions in addition to the conditions imposed by SEIAA vide EC dated 30.07.2012. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC, Rajasthan in its 434th Meeting held on 8.05.2020 resolved to amend the EC as per recommendations of the SEAC. Now therefore Environmental Clearance granted by SEIAA vide EC dated 30.07.2012 is hereby amended as per recommendations of SEAC narrated above as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of following specific and general conditions in addition to the conditions imposed by SEIAA vide EC dated 30.07.2012:

I. Statutory compliance:

- i. The project Proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project Proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project Proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project Proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project Proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. The project Proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation:

- i. The project Proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. The project Proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - iii. The project Proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PK() and PM2.5 in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)
 - iv. The project Proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
 - vi. The project Proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
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- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- ix. The project Proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project Proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project Proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation:

- i. The project Proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
- ii. The project Proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. The project Proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. The project Proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- vii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- viii. The project Proponent shall practice rainwater harvesting to maximum possible extent.
- ix. The project Proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention:

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

- i. The project Proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- ii. Practice hot charging of slabs and billets/blooms as far as possible.
- iii. Ensure installation of regenerative type burners on all reheating furnaces.
- iv. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- v. Provide the project Proponent for LED lights in their offices and residential areas.

VI. Waste management:

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- v. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant)*

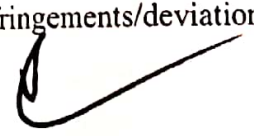
VII. Green Belt:

- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- ii. The project Proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues:


- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project Proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour 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.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility:

- i. The project Proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the
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- environmental / forest / wildlife norms /conditions. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
 - v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
 - vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Miscellaneous:

- i. The project Proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project Proponent's website permanently.
 - ii. The copies of the environmental clearance shall be submitted by the project Proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 - iii. The project Proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - iv. The project Proponent shall monitor the criteria pollutants level namely; P-Mio, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 - v. The project Proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - vi. The project Proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - vii. The project Proponent 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, commencing the land development work and start of production operation by the project.
 - i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - ii. The project Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - viii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 - ix. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of
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Environment (Protection) Act, 1986.


- x. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xi. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xiv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Dr. D.N. Pandey)
Member Secretary,
SEIAA, Rajasthan.

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat.1(a)B2(386)/2019-20 Dated:

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Sh. R.K. Meena, IAS (Retd.), B-75, Shankar Vihar, 50 Feet Gaitore Road, Sawai Gaitor, Jaipur
4. Dr. Anil Kumar Goel IFS (Retd.), Forest Colony, Sector 4, Jawahar Nagar, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan Pollution Control Board, Jaipur.
6. Member Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
9. Sh. Jagbir Singh Manral, ACP, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this Environment Clearance on the website.


M.S. SEIAA, (Rajasthan)