

Government of Maharashtra

SEAC-2014/CR 32 / TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 30th September, 2014

To,
M/s.Kalika Steel Alloys Pvt. Ltd
Plot No. C-8, Additional MIDC Area,
Jalna

Subject: Environment clearance for proposed expansion of 300 to 800MTD at Plot No. C-8, Additional MIDC Area, Jalna by M/s.Kalika Steel Alloys Pvt. Ltd.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 79th meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 73rd meeting.

2. It is noted that the proposal is for grant of Environment Clearance for proposed expansion of 300 to 800MTD at Plot No. C-8, Additional MIDC Area, Jalna. SEAC-I considered the project under screening category 3(a), B1 of EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of the Project	Expansion of billet manufacturing facilities of Kalika Steel Alloys Pvt. Ltd
Project Proponent	M/s Kalika Steel Alloys Pvt. Ltd.
Consultant	M/s Pollution & Ecology Control Services
New Project / Expansion in existing project / Modernization / Diversification in existing project	Expansion
If expansion/ Diversification, whether environmental	The letter of environmental clearance is issued vide letter no. J-11011/1030/2007-IA II (I), dated- 05/11/2008 for M.S. Billet plant of capacity 220 TPD and 70 TPD Heavy Metal Alloy plant. The 70 TPD Heavy Metal Alloy Project which is mentioned in the EC Letter has been dropped.

clearance has been obtained for existing project (If yes, enclose a copy with compliance table)						
Activity schedule in the EIA Notification	The project falls under the Category 'B' of the Schedule of EIA Notification, 2006. Item no. – 3(a)					
Area Details	Total plot Area (sq. m.): 19000 m ² Built up Area (sq. m.): -					
Name of the Notified Industrial area / MIDC area	Additional MIDC Area, Jalna					
Estimated capital cost of the project: (including cost of land, building, plant and machinery separately)	Existing plant : Rs 17.67 crores Proposed Investment: 13.65 crores. Total after expansion: Rs. 31.32 crores.					
Location details of the project:	1. Latitude - 19 ⁰ 51'37" N 2. Longitude - 75 ⁰ 51'00"E 3. Location- Additional MIDC Area, Jalna in Maharashtra 4. Elevation above Mean Sea Level (meters) – 534 m					
Distance from protected Areas /Critically Polluted areas/ Eco-sensitive areas/ inter-State boundaries	No critically polluted area, No National Parks/Wild life Sanctuary within 10 km radius.					
Raw materials (including process chemicals, catalysts, & additives).	List of raw materials to be used	Physical and chemical nature of raw material	Quantity (tones/month) full Production capacity	Source of materials	Means of transportation (Source to storage site) with justification	
	MS Scrap	Lumps	488 TPD	Gujarat, Maharashtra and Chhattisgarh	Tarapaulin covered trucks.	
	Sponge Iron	Lumps	122 TPD	Open Market	-do-	
Production	Name of	Existing	Proposed	Total (T/Year)		

details	Products, By products and Intermediate Products	(T/Year)	activity (new / modernization / expansion) (T/Year)																																
	Main Products	M.S. Billets (220 TPD)	M.S. Billets (580 TPD)	M S Billets – 800 TPD																															
	By-Products	-																																	
	Intermediate Products		-																																
Total Water Requirement	<p>Total water requirement:</p> <ul style="list-style-type: none"> • Fresh water (CMD): 25 m³/day & Source – MIDC • Recycled water (CMD): • Average annual Rain water storage : 8729.44 m³ per annum • Rain water use (CMD): 30 m³/day <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Unit</th> <th>Fresh water Requirement (in CMD)</th> <th>Rain water Use (in CMD)</th> <th>Wastewater Generation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Domestic use</td> <td>3</td> <td>-</td> <td>2</td> </tr> <tr> <td>2</td> <td>Cooling purpose</td> <td>10</td> <td>30</td> <td>-</td> </tr> <tr> <td>3</td> <td>Gardening</td> <td>2</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>Scrubber</td> <td>10</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>Total</td> <td>25</td> <td>30</td> <td>2</td> </tr> </tbody> </table> <p>Use of the water :</p> <ul style="list-style-type: none"> • Process(CMD): m³/day • Cooling water(CMD): 40m³/day • DM Water (CMD): m³/day • Dust Suppression(CMD): • Drinking (CMD): 3m³/day • Green belt(CMD): 2m³/day treated water will be reused • Fire service(CMD): • Others (CMD): Scrubber : 10 m³/day 					Sr. No.	Unit	Fresh water Requirement (in CMD)	Rain water Use (in CMD)	Wastewater Generation	1	Domestic use	3	-	2	2	Cooling purpose	10	30	-	3	Gardening	2	-	-	4	Scrubber	10	-	-		Total	25	30	2
Sr. No.	Unit	Fresh water Requirement (in CMD)	Rain water Use (in CMD)	Wastewater Generation																															
1	Domestic use	3	-	2																															
2	Cooling purpose	10	30	-																															
3	Gardening	2	-	-																															
4	Scrubber	10	-	-																															
	Total	25	30	2																															
Storm water drainage	<ul style="list-style-type: none"> • Natural water drainage pattern - Quantity of storm water • Size of SWD 																																		
Sewage generation and treatment	<ul style="list-style-type: none"> • Amount of sewage generation (CMD) - 2 m³/day • Proposed treatment for the sewage – Sewage will be treated in septic tank followed by soak pit • Domestic solid waste will be treated in Sewage Network of MIDC • Capacity of the STP (CMD) (If applicable) - NA 																																		
Solid waste Management:	Sr. No	Source	Qty (TPM)	Form (Sludge/Dry/Slurry etc.)	Composition																														
	1.	Raw water treatment plant	Nil																																

	2.	ETP	Nil				
	3.	Process	Existing quantity 9 MT/Day Proposed Quantity 23 MT/Day				Slag from Induction Furnace
	4.	Spent Catalyst	Nil				
	5.	Oily Sludge	Nil				
	6.	Others like Battery waste, e waste etc (Pl. Specify)	Nil				
<p>If waste (s) contains any hazardous/toxic substance/radioactive materials or heavy metals, provide quantity, disposal data and proposed precautionary measures.</p> <ul style="list-style-type: none"> • What are the possibilities of recovery and recycling of wastes? • Possible users of Solid waste – Since the solid waste generated from induction furnace is non hazardous in nature it can be use in hardening of working area, possibilities can be explore for its use in construction of internal village roads, and filling of stone quarry pits. • Method of disposal of solid waste – Slag generated is crushed at site. Iron particles are separated by using magnetic separator. Crushed slag (Sand) is being used in brick manufacturing / Concrete Mixture. 							
Stack Emission Details: (All the stacks attached to process units, Boilers, captive power plant, D.G. Sets, Incinerator both for existing and proposed activity). Please indicate the specific section to which the stack is attached. e.g. : Process section, D.G. Set,	Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (TOP) (m)	Emission Rate		Temp. of Exhaust Gases
					For SO ₂	For NO _x	
	Stack attached to Induction Furnace	1 st	30 m	1.6m	-	4.13	50 ^o C

Boiler, Power Plant, incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO ₂ , NO _x etc.) should be specified					
Emission Standard	Pollutants (SPM, SO ₂ , etc)	Emission Standard Limit (mg/Nm ³)	Proposed Limit (mg/Nm ³)	MPCB Consent (mg/Nm ³)	
	PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO	PM ₁₀ - 60 - 100 µg/m ³ , PM _{2.5} - 40 - 60 µg/m ³ , SO ₂ - 40 - 80 µg/m ³ , NO _x - 50 - 80 µg/m ³ , CO - 2.0 - 4.0 mg/m ³			
Ambient Air Quality Data	Pollutant	Permissible Standard	Predicted Concentration (in µg/m ³)	Remarks	
	SPM	PM ₁₀ - 100 µg/m ³ , PM _{2.5} - 60 µg/m ³	PM ₁₀ - 25.4 to 57.3 µg/m ³ . PM _{2.5} - 9.6 to 27.2 µg/m ³	All parameters will be within limits after commissioning of the plant.	
	SO ₂	80 µg/m ³	SO ₂ - 6.8 to 15.2 µg/m ³		
	NO _x	80 µg/m ³	NO _x - 7.2 to 17.9 µg/m ³ Project Site - Predicted Conc. (µg/m ³) - 0.75, Resultant Conc. (µg/m ³) - 18.65		
	CO	4 mg/m ³	-		
Energy	Power supply: • Existing power requirement: 9000 KVA • Proposed power requirement: 10500 KVA DG sets: • Number and capacity DG sets to be used (existing and proposed) : Details of the non-conventional renewable energy proposed to be used :				
Green Belt Development	<ul style="list-style-type: none"> • Green belt area (Sq. m.): 30% of total land • Number and species of trees to be planted - Approximately 1600 trees per Ha will be planted in consultation with the local Forest Department • Number, size, age and species of trees to be cut, trees to be transplanted 				
Details of	Sr.	Existing	Proposed to be installed		

Pollution Control Systems:	No.		pollution control system	
	i.	Air	Wet Scrubbers and Bag Filters followed by stack of 30 mt height.	Wet Scrubbers and Bag Filters followed by stack of 30 mt height.
	ii.	Water	Settling Tank	Settling Tank
	iii.	Noise	Ear muffs/ear plugs are provided to the workers, Acoustic laggings and silencers are provided in equipment	Ear muffs/ear plugs will be provided to the workers, Acoustic laggings and silencers will be provided in equipment
	iv)	Solid Waste	Slag Crusher	Slag Crusher
Environmental Management Plan Budgetary Allocation	<ul style="list-style-type: none"> • Capital cost (With break up): • O& M cost (With break up): 			
	Sr.No.		Recurring Cost per annum (Rs. Lakhs)	Capital cost (Rs. Lakhs)
	1.	Air Pollution Control	10	75
	2.	Water Pollution Control	1	5
	3.	Noise Pollution Control	-	-
	4.	Environment Monitoring and Management	5	-
	5.	Reclamation borrow/mined area (if applicable)	-	-
	6.	Occupational Health		
	7.	Green Belt	2	5
	8.	Solid waste management	5	70
	9.	Others (Pl. Specify) Environmental Cell	6	-
Total			29	155

3. The proposal has been considered by SEIAA in its 73rd meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies

that Forestry & Wild life clearance granted to the project which will be considered separately on merit.

- (iii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iv) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (v) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (vi) Necessary arrangement shall be made for adequate safety and ventilation arrangement in furnace area.
- (vii) Proper Housekeeping programs shall be implemented.
- (viii) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (ix) Stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (x) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xi) Arrangement shall be made that effluent and storm water does not get mixed.
- (xii) Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xiii) The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiv) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xv) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Smoke and Heat detection devices shall also be installed at strategic places for early detection and warning.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.

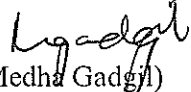
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xix) The company shall undertake following Waste Minimization Measures :
- Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
- (xx) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiv) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost.
- (xxv) The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (xxvi) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>
- (xxvii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxviii) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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 website of the Company by the proponent.

- (xxix) The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - (xxx) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
 - (xxxi) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
 - (xxxii) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
 6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.
 7. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
 8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
 9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-,

Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010

10. This Environment Clearance is issued for proposed expansion of 300 to 800MTD at Plot No. C-8, Additional MIDC Area, Jalna by M/s.Kalika Steel Alloys Pvt. Ltd.


(Medha Gadgil)
Additional Chief Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune – 411014.
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Aurnagabad
7. CEO, MIDC, Jalna
8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
9. Select file (TC-3)

(EC uploaded on 7/10/14)