

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Pranisampad Bhavan, Block 'LB'-2, 5th Floor, Sector – III,

Salt Lake, Kolkata – 700 106

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Website : www.environmentwb.gov.in

No. 987 /EN/T-II-1/013/2014

Date : 12 / 05 /2017

To
M/s. Shree Gopal Concrete Pvt. Ltd.
11A, Maharshi Devendra Road
6th Floor, Room No. 2
Kolkata – 700 007

SUB. : Environmental Clearance for the proposed expansion comprising of 3x12 MT induction furnaces and 2 nos. 6/11 M radius 2-strand continuous billet casting with auxiliaries in existing plant by M/s. Shree Gopal Concrete Pvt. Ltd. at Vill – Dhasal, JL No. 56, PO – Bahadurpur, Raniganj, Dist – Paschim Bardhaman, PIN – 713362, West Bengal.

Sir,

This has a reference to your application dated 11/02/2014 and subsequent communications for Environmental Clearance for the proposed expansion of 3x12 MT induction furnaces and 2 nos. 6/11 M radius 2-strand continuous billet casting with auxiliaries in existing plant at Vill – Dhasal, JL No. 56, PO – Bahadurpur, Raniganj, Dist – Paschim Bardhaman, PIN – 713362, West Bengal.

The proposal has been examined and processed in accordance with EIA Notification, 2006. It is noted that the proposed proposal is for expansion of 3x12 MT induction furnaces and 2 nos. 6/11 M radius 2-strand continuous billet casting with auxiliaries in existing plant. The existing and the proposed facilities are as follows:

Installations	Existing capacity	Proposed capacity
Induction Furnace	--	3X12 T
Continuous Casting Machine (CCM) with auxiliaries	--	2 nos. 6/11 metre radius 2 strand (59400 TPA)
Reheating Furnace (Producer Gas fired)	1X15 TPH	--
Cement Mill (comprising of 2X250 TPD Ball Mills & 1X2 TPH Coal fired Slag Drier)	500 TPD	--
1X6250 TPM Rolling Mill	Presently in use utilizing the existing 1X15 TPH Reheating Furnace	Will be utilized for rolling hot billets coming out of CCM

It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows :

- i) Location of the site – Vill – Dhasal, JL No. 56, PO – Bahadurpur, Raniganj, Dist – Burdwan, PIN – 713362, West Bengal
- ii) Land area – 14 acres
- iii) Raw Materials – For induction furnace and CCM – Pig Iron, Sponge Iron, Scrap and Silico-Manganese, for Hot Rolling Mill – MS Billets.
- iv) Air Pollution Control Device – Proposed Induction furnace will be equipped with swivelling hood, spark arrestor, pulse jet bag filter, ID fan and stack of height 30m above GL.

Conditions for Environmental Clearance for the proposed expansion comprising of 3x12 MT induction furnaces and 2 nos. 6/11 M radius 2-strand continuous billet casting with auxiliaries in existing plant by M/s. Shree Gopal Concrete Pvt. Ltd at Vill – Dhasal, JL No. 56, PO – Bahadurpur, Raniganj, Dist – Paschim Bardhaman, PIN – 713362, West Bengal

- v) Total Water Requirement (for existing plant as well as expansion) – 200 KLD, Source: Groundwater.
- vi) Effluent – Process: nil, Domestic: to be discharged through septic tank to soak pit.
- vii) Solid Waste – slag will be used for road construction, land filling etc.
- viii) Power requirement – 15.5 MVA (existing – 3.5 MVA from DPSC, Proposed expansion - 12 MVA from DVC).

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below.

A. SPECIFIC CONDITIONS:

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swiveling Hood, Spark Arrestor, Bag Filter, ID Fan etc. and stack of height 30m from G.L. as proposed. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Suction should be adequate to control fugitive emission. Stack emission (PM) from induction furnaces should not exceed 50 mg/Nm³. Stack emissions should be monitored at regular intervals and records should be maintained.
- iii. Dust collection from Bag filter should be done through pneumatic control system. Collected dust is to be recycled back to process or sold for landfilling subject to the condition that it does not fall under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- iv. Existing reheating furnace, producer gas plant and tar plant will be kept out of operation once the expansion project components i.e. induction furnaces and CCM with auxiliaries come into operation. Hot billets will be rolled (instead of reheating cold billets/ingots in existing reheating furnace and subsequent rolling of the same).
- v. Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.
- vi. Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission.
- vii. Groundwater should be abstracted as per the permission obtained from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Appropriate flow measuring device to be installed at the suction end of the bore well for monitoring volume of abstracted ground water and logbook for the same purpose to be maintained regularly.
- viii. Sponge iron and Pig iron should be used as major raw material in Induction Furnace (at least 70% of the total input). Use of galvanized iron scrap as raw material is not permitted.
- ix. Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.
- x. Annual Rain Water Harvesting Potential (ARWHP) is 200 KL. This is to be collected in storage tank of dimension (10X10X2) m³ as proposed and utilized in order to reduce abstraction of ground water. Recharging of ground water is not permitted.
- xi. Cooling water should be recycled.
- xii. Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as proposed. Slag may be used for road construction and land filling; however, indiscriminate dumping is not permitted under any circumstances.
- xiii. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area 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

should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB(A) Leq (nighttime) and its subsequent amendments.

- xiv. Green belt shall be developed within and around the plant as per proposal submitted. At least 33% of the land area must be kept for exclusive tree plantation. In the exclusive tree plantation area of 4.62 acres at least 1300 nos. of trees are to be planted and maintained. Indicative list of species is given at Annexure I. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.
- xv. All internal roads should be concreted / pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
- xvi. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xvii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xviii. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- xix. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical break-up shall be prepared and submitted. Implementation of such programme shall be ensured accordingly in a time bound manner.

B. GENERAL CONDITIONS:

- i. The environmental clearance accorded shall be valid for a period of 7 years for the proposed expansion project.
- ii. Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- iii. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.
- iv. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- v. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
- vi. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- vii. No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
- viii. The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all

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the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.

- ix. The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA, West Bengal (<http://environmentwb.gov.in>). This should be advertised within seven days from the date of issuance 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.
- xi. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.
- xii. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.
- xiii. The contact details of the proponent and the name of the consultant are given below –

Name of the Contact person with Designation	Shri Ram Kumar Sardar, Director
Address	77/1, N.S.B. Road, Raniganj Pin – 713 347
Telephone Number, Fax Number	0341 244 1222, 0341-244 0747
e-mail	sgpl-primegold@rediffmail.com
Name of the Environmental Consultant	M/s. Shivalik Solid Waste Management Limited

Yours faithfully,

Sd/-
(Sandipan Mukherjee, IFS)
Chief Environment Officer &
Member Secretary, SEIAA

No. 987 /EN/T-II-1/013/2014 /1(4)

Date : 12 / 05 /2017

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharapur, Bhubaneswar – 751 023, Orissa.
3. Chief Inspector of Factories, New Secretariat Building, 1, K.S. Roy Road, Kolkata – 700 001
- 4/ Guard file / Record file.


Chief Environment Officer &
Member Secretary, SEIAA

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Annexure – I

LIST OF TREES PROPOSED FOR PLANTATION

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Azadirachta indica</i>	Neem	200
2.	<i>Terminalia bellirica</i>	Bahera	150
3.	<i>Butea monosperma</i>	Palash	200
4.	<i>Acacia nilotica</i>	Babla	200
5.	<i>Hollarhena antidysentrica</i>	Kurchi	250
6.	<i>Polyalthia longifolia</i>	Devdaru	300
		Total	1300

