



सत्यमेव जयते

File No: 442846/10-IND1/02-2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority (SEIAA),
ODISHA)



Dated 18/04/2024



To,

ARUN MUNDRA
ARUN MUNDRA
Arun Mundra The Mohini Royale Mandir Maszid Gurudwara Road Jharsuguda, Ekatali,
JHARSUGUDA, ODISHA, 768203
arunkumarmundra0000@gmail.com

Subject: Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding in respect of project M/s. Infrastructure Unit Two submitted to Ministry vide proposal number SIA/OR/IND1/442846/2023 dated 02/02/2024.

2. The particulars of the proposal are as below :

(i) TOR Identification No.	TO23B1103OR5782890N
(ii) File No.	442846/10-IND1/02-2024
(iii) Clearance Type	TOR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(b) Cement plants
(vii) Name of Project	M/s. Infrastructure Unit Two
(viii) Name of Company/Organization	ARUN MUNDRA
(ix) Location of Project (District, State)	JHARSUGUDA, ODISHA
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

N/A



STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, ODISHA

SRF-2/1, Unit-IX, Bhubaneswar-751022, Tel: 0674-3510075, Email: seiaaodisha@gmail.com

A statutory body constituted by Ministry of Environment, Forest & Climate Change under Environment (Protection) Act, 1986

Subject: Proposal of M/s. Infrastructure Unit Two for grant of Term of Reference (ToR) for Installation of a Cement Grinding unit of capacity 15000 tons/annum over an total project area of 0.853 Acre located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda, Odisha of Sri Arun Mundra (Proprietor)-Reg.

The project proponent Sri Arun Mundra (Proprietor) of M/s. Infrastructure Unit Two has submitted an application for ToR to SEIAA, Odisha through the Parivesh portal of MOEF&CC, GOI vide online application no. SIA/OR/IND1/442846/2023 dated 02.02.2024 for grant of Term of Reference (ToR) for Installation of a Cement Grinding unit of capacity 15000 tons/annum over an total project area of 0.853 Acre located at IDCO Plot No. 2/A/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda, Odisha of Sri Arun Mundra (Proprietor).

2. Proposal in brief:

Proposal No.	SIA/OR/IND1/442846/2023
File No.	02.02.2024
Date of Application	442846/10-IND1/02-2024
Project Type	New proposal for ToR
Category	B1
Project/Activity including Schedule No.	3(a) Cement Plants
Name of the Project	Proposal for grant of ToR for Installation of a Cement Grinding unit of capacity 15000 tons/annum over an total project area of 0.853 Acre located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda, Odisha of Sri Arun Mundra (Proprietor).
Name of the company/Organization	M/s. Infrastructure Unit Two Sri Arun Mundra
Location of Project	at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda
ToR Date	NA
Name of Consultant	M/s. Envomin Consultant Pvt. Ltd. Bhubaneswar, Odisha



3. Project details: The highlights of the project, as ascertained from the application and as revealed from the proceedings/ discussions held during the meetings of SEAC/SEIAA, are given as under:

- (i) The proposal was considered by the SEAC committee to determine the “Terms of Reference (ToR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
- (ii) This proposal is for Terms of Reference (ToR) for Installation of a Cement Grinding unit of capacity 15000 tons/annum over an total project area of 0.853 Acre located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda, Odisha of Sri Arun Mundra (Proprietor).
- (iii) This project falls under Category “B” under 3(b) - Cement plants (Standalone Grinding unit) as per EIA Notification dated 14th Sept, 2006 and its amendments.
- (iv) The proponent M/s. Infrastructure Unit proposes for installation of a Cement Grinding Unit of capacity 15000 ton per annum. The cement will be used as raw material for the paver block and chequered tiles together will be used for selling in the open market. The total project area is of 0.853 Acre located at IDCO Plot No. 2/A/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda Pin- 768201, Odisha.
- (v) The proposed Cement Grinding Plant is located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda Pin- 768201, Odisha. The plot size of approx. 0.853acres has been allotted on dated 01.02.2022 by M/s IDCO Govt. of Odisha in favor of M/S Infrastructure. Lease deed Certificate No- IN-OD03208698129562U Dt. 01:02:2022. The Geo coordinates are: P1 - 21.881586 N 84.008691E, P2 - 21.881203N 84.00891E P3 - 21.881342N 84.009174E P4 - 21.881522N 84.009533E P5 - 21.881897N 84.009349E P6 - 21.881708N 84.009888E and falls under Toposheet No - F44R13. The project site can be approached is at a distance of 5km from the national highway, 2km from the state highway and 10km from the Jharsuguda airport. IB River is 4.5 kms from the project site. The project site can be approached is at a distance of 5km from the national highway no -53, which connects Raipur/Chandikhol and 10 km from the Jharsuguda airport.
- (vi) Total Land use Breakup:

Sl No.	Pattern of Utilisation	Area in Ha.
1.	Plant and Building	0.1232
2.	Road and Open Space	0.1160



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3.	Parking Area	0.0223
4.	Green Belt	0.0835
	TOTAL	0.345 .

(vii) The proponent M/s. Infrastructure Unit proposes for installation of a Cement Grinding Unit of capacity 15000 ton per annum. The cement will be used as raw material for the paver block and chequered tiles together will be used for selling in the open market.

(viii) The cement will be used as raw material for the paver block and chequered tiles together will be used for selling in the open market.

(ix) Details of Raw Materials –

Sl. No.	Material	Source	Transportation mode
1	Clinker	Transported from Clinkerization Unit	By Trucks
2	Gypsum	Purchase from Market	By Trucks
3	Flyash	Nearby Power Plant	By Covered Trucks
4	GGBS/Slag	Transported from Clinkerization Unit	By Trucks

(x) Summary of products generated by the project

There are three products, which M/s Infrastructure (Unit –II) proposes to produce 15000 MT of the mixture to be used as raw material for the Paver Block and Chequered Tiles together with to be used for selling the same in Open Market. The details of Products, which are proposed to be manufactured is as follows:

- Mixture type Grade-1 with use of Clinker; and Gypsum and GGBS/Slag
- Mixture type Grade-2 with use of Clinker, flyash and Gypsum
- Mixture Type Grade-3 with use of Clinker and Gypsum

The proposed plant aims to produce equal quantity of both grades of materials. The majority of the product is supposed to be used in the captive consumption i.e. as a source of Raw material for the production of Paver Block and Chequered Tiles.

The project involves installation of a small grinding unit for manufacturing of Portland Pozzolana Cement (PPC)/ Ordinary Portland Cement /Slag cement using Clinker, Gypsum and Flyash and Slag/GGBS.

Product OPC/PPC/ Slag cement (SPC)			
Product Mix	PPC	OPC	Slag Cement
Clinker	65%	90%	50%
Gypsum	5%	5%	5%



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Flyash	30%	0%	0%
GGBS/slag	0%	5%	45%

(xi) Details of waste generated: No solid waste will be generated from the cement manufacturing process. Dust collected from air pollution control equipment will be totally recycled in process. A part of used oil will be utilized for lubrication purpose and remaining will be sold authorized members.

(xii) Mitigation of waste produced:

Sl. No	Waste	Qty/Year	Unit	Method of Disposal	Area
1	Used Oil	1	KL	Used internally for lubrication of scraper chains	Plant
2	Used Grease	100	Kg	Giving to PCB approved agencies	
3	Lead Acid Batteries	10	Nos	Exchanging with PCB approved agencies/OEMs	
4	Transformer Oil	0.1	KL	Giving to PCB approved agencies	

(xiii) Other waste generation, if any: Dust collected from air pollution control equipment is totally recycled in process. Solid waste generated from office area is disposed after segregating the waste into biodegradable and non-biodegradable.

(xiv) Baseline study conducted (if taken) – Time period, Air, water, soil, noise quality monitoring results: Post-Monsoon, 15th Nov – 15th Dec (One Month).

(xv) Total water requirements and waste water management: The water requirement for the grinding unit, for domestic purpose estimated to be 2000 Lt. or 2 KL.

(xvi) Power requirement and solar power details: The total connected power of the plant is expected to be about 76 KWH and shall be met by installing 315 KVA switch yard with suitable step-down transformer.

(xvii) Rain water harvesting details – The rain water harvesting would be done by means of making a suitable structure in the North-East side of the area with a proper slope gradient to a pit size of 8m x 8m sump for collecting the yield rain water and further a bore well of 6 inch radius for further charging of the ground water table.

(xviii) Green belt development: Out of total land 33% of the area will be covered under greenbelt & plantation. A thick greenbelt all along the roads and plant will be developed. Plantation will be done in and around the plant premises. 80% survival rate will be maintained with all possible efforts. The trees have been planted at



suitable grid spacing to encourage proper growth. Local plant species will be preferred.

- (xix) Total employment: There will be an employment opportunity of 20 direct and 20 indirect manpower due to the project. Unskilled/ semi-skilled manpower can be sourced from the local area and skilled manpower shall have to be sourced from outside/ local.
- (xx) Total Project cost and EMP, CSR Cost - Project Cost - Rs 2.8 Cr. (approx.), EMP cost - Rs 0.25 Corers, CSR Cost - Rs 0.05 corers/annum.
- (xxi) The Project Proponent has requested for public hearing exemption for the project as, the site is located at the IDCO industrial estate and the project capacity is very less i.e 15000 Tonne per annum/50 tonne per day of Cement production and environmental impact would be less.
- (xxii) Environment Consultant: The Environment consultant M/s Envomin Consultant Pvt. Ltd. Bhubaneswar, Odisha along with the proponent made a presentation on the proposal before the Committee.
- (xxiii) The project proponent requested before the SEAC for exemption of public hearing for the following reason:
- The site is located at the IDCO industrial estate.
 - The project capacity is very less i.e. 15000 Tonne per annum/50 tonne per day of Cement production and environmental impact would be less.
 - This project will generate direct & indirect employment scopes for the local people and also increase the revenue for the state exchequer. More attention will be given to improve the socio-economic conditions in health, education, employment, roads, plantation and cultural activities.
- (xxiv) The SEAC opined that there is no such provisions as per EIA Notifications 2006 and amendment thereafter for exemption of public hearing as requested by the proponent at para 23 above and the industrial Estate in which the project will be located has not obtained Environmental Clearance as per EIA Notification 2006.
4. The proposal was placed in SEAC meeting held on 28.02.2024 and the SEAC prescribed the ToR for conducting detailed EIA study with specific conditions.
5. **The matter was examined in the State Environment Impact Assessment Authority (SEIAA), Odisha in its 161st meeting held on 20.03.2024 & 21.03.2024 and after detailed deliberation the Authority accords Terms of Reference (ToR) under the provisions of EIA Notification No. S.O. 1533 (E) dated the 14th September, 2006 of the Government of India in the erstwhile Ministry of Environment and Forests, as amended from time to time for Installation of a Cement Grinding unit of capacity 15000 tons/annum over an total project area of 0.853 Acre located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda, Odisha of Sri Arun Mundra (Proprietor) for EIA studies with the specific conditions mentioned below along with standard conditions (attached in annexure-I).**



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Specific Conditions

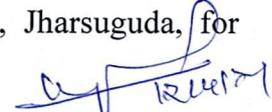
- (i) Land documents in favour of the proposed cement grinding unit to be submitted along with the land use breakup.
- (ii) Agreement copies/MOU with raw material suppliers for raw materials procurements.
- (iii) List of machinery equipments with capacities.
- (iv) Details of Air Pollution control measures to control stack emission as well as fugitive emission to ensure PM, PM₁₀ and PM_{2.5} pollutants shall be within permissible limits.
- (v) Regular health check-up of employees and proper care to be taken to prevent silicosis.
- (vi) Safety measures to be followed for transportation and storage of clinker.
- (vii) Provision to be kept for Electric HAG (Hot Air Generator).
- (viii) Measures for quality control set up for cement.
- (ix) Basic facilities shall be provided for labours working at the project site.
- (x) Details of storage facility of raw materials and its conveying system to silo.
- (xi) Detail mitigation programme for emission of criteria pollutants and toxicants from different unit operations and their necessary control measures shall be provided. Health risk assessment should also be included in the above study.
- (xii) The PP shall submit geo-coordination photographs of all points during collection of data during EIA studies.

Yours Faithfully,


Member Secretary

Copy to

1. Additional Chief Secretary, Forest, Environment & Climate Change Dept., Government of Odisha for information.
2. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
3. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
4. Deputy D.G.Forest., Integrated Regional Office (IRO), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for information.
5. Director of Mines, Steel & Mines Dept., Govt. of Odisha
6. Collector & DM, Jharsuguda /Sub Collector, Jharsuguda /, DFO, Jharsuguda, for Information and necessary action.
7. Guard file for record/Website/Parivesh Portal.


Member Secretary