



Ref. No.: UTCL/SBCW/23-24/1227

Date: 24.11.2023

To  
The Deputy Director General of Forests (C)  
Ministry of Environment, Forest and Climate Change,  
Integrated Regional Office, Kolkata IB - 198,  
Sector-III, Salt Lake City, Kolkata – 700106.

**Sub: Submission of Half Yearly EC Compliance Report (April'2023 to Sept'2023)** for Expansion of Cement Production Capacity of Existing Stand-alone Clinker Grinding Unit (2.0 to 5.0 MTPA) at Sonar Bangla Cement Works, Village: Dhalo, P.O: Gankar, Block: Raghunathganj-I, District: Murshidabad (West Bengal) by M/s. UltraTech Cement Limited (Unit: Sonar Bangla Cement Works).

**Ref.: 1. SEIAA vide proposal number SIA/WB/IND/58900/2020 dated 26 Jul 2021**  
**2. Environment Clearance granted via EC identification no. - EC22B009WB123151 dated 3rd January 2022**

Respected Sir,

With reference to the above mentioned subject and cited reference matter, we are herewith submitting the half yearly compliance report (April 2023 to September 2023) of the conditions stipulated in the Environment Clearance letter issued by SEIAA, West Bengal for Expansion of Cement Production Capacity of Existing Stand-alone Clinker Grinding Unit (2.0 to 5.0 MTPA) at Sonar Bangla Cement Works, Village: Dhalo, P.O: Gankar, Block: Raghunathganj-I, District: Murshidabad (West Bengal) by M/s. UltraTech Cement Limited (Unit: Sonar Bangla Cement Works).

We hope that you will find our reply in order.  
Thanking you and with regards,

Yours faithfully  
For UltraTech Cement Limited  
(Unit: Sonar Bangla Cement Works)

Padam Kumar Dad  
(Unit Head)

**Enc.: Half Yearly EC Compliance Report (April'2023 to Sept'2023) in soft copy.**

**Copy to:**

1. The Member Secretary, State Level Environment Impact Assessment Authority, Pranisampad Bhawan, 5th Floor, LB 2, Sector-III, Salt Lake, Kolkata — 700 106 (West Bengal)
2. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhawan, 10A, Block-LA, Sector-III, Bidhannagar, Kolkata-700 106 (West Bengal)
3. Central Pollution Control Board, Zonal Office, Kolkata-107
4. The Environment Engineer & Incharge, West Bengal Pollution Control Board, Malda Regional Office.



UltraTech Cement Limited  
( Sonar Bangla Cement Works )

Vill. Dhalo, PO. Gankar, PS. Raghunathganj, Dist. Murshidabad, West Bengal, Pin Code: 742 227, T : 03483 237138  
Registered Office : Ahura Centre, 'B' Wing, 2nd Floor, Mahakali Caves Road, Andheri (East), Mumbai 400 093, India  
T: +91 22 6691 7800 / 6691 7801 | F: + 91 22 6691 7901 | W: www.ultratechcement.com | CIN: L26940MH2000PLC128420

# **Half Yearly Environment Clearance Compliance Report for the Period April'23 to September'23**

**Project Name: Expansion of Cement Grinding Unit  
Capacity from 2.0 MTPA to 5.0 MTPA**

**Location: Village- Dhalo, P.O- Gankar, P.S- Raghunathganj,  
District- Murshidabad, West Bengal**

**Prepared by**

**ADITYA BIRLA**

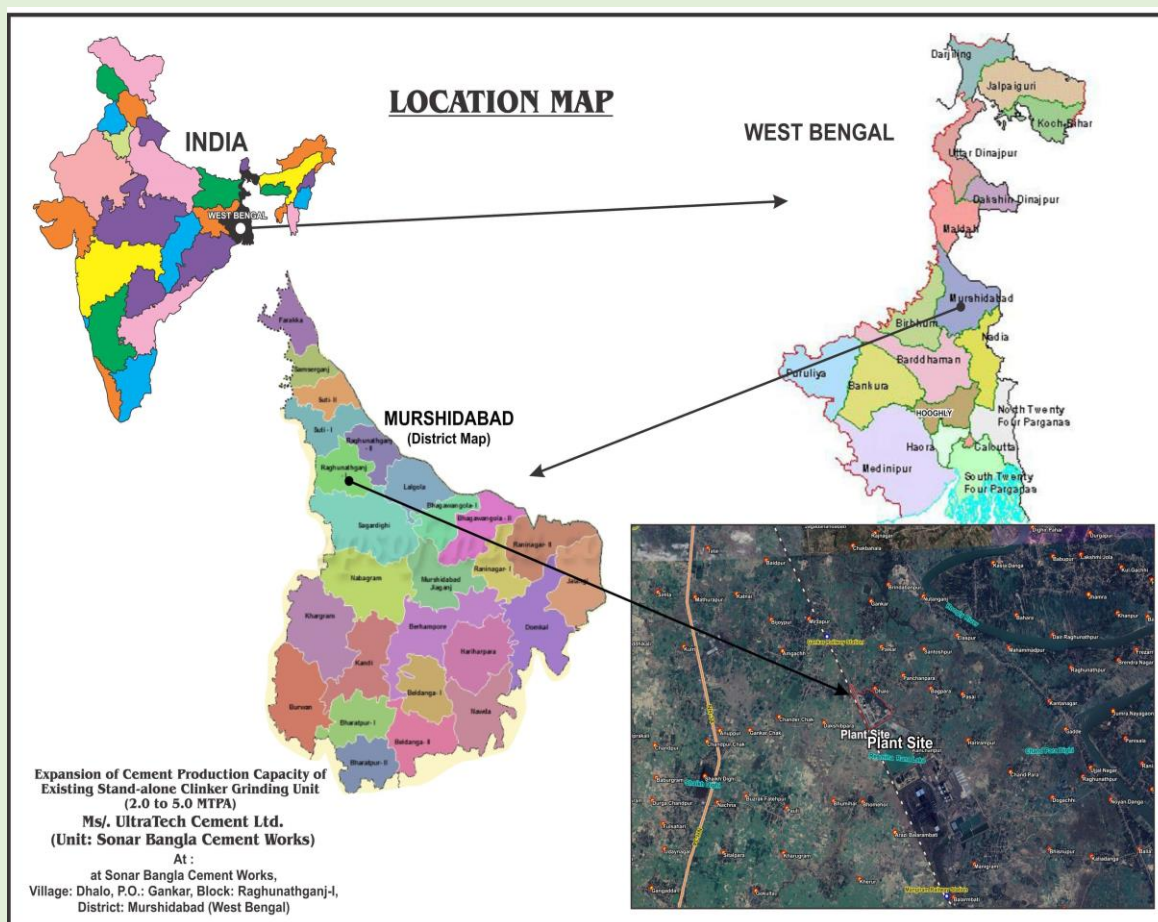


**UltraTech Cement Limited**

**(Unit: Sonar Bangla Cement Work)**

**Dhalo, Gankar, Raghunathganj, Murshidabad, West Bengal – 742227**

Name of the Project	M/S - UltraTech Cement Limited (Unit: Sonar Bangla Cement Works Works) Located at Vill –Dhalo, P.O- Gankar, P.S- Raghunathganj, Dist- Murshidabad, West Bengal - 742227.
SEIAA vide Proposal No.	SIA/WB/IND/58900/2020 dated 26 Jul 2021.
EC Identification No.	EC22B009WB123151 Dated 03/01/2022.
File No.	EN/T-II-1/066/2020
EC Transfer	465/ EN /T-II-1/054/2007 dated 28/02/2020 from M/S- Sonar Bangla Cement Works (Century Textiles & Industries Limited) to M/S- UltraTech Cement Limited (Unit: Sonar Bangla Cement Works).
Period of Compliance Report	April 2023 to September 2023




#### LOCATION OF THE PLANT SITE ON THE MAP.

Latitude: 24° 22' 59.67" N to 24° 23' 36.60" N

Longitude: 88° 04' 44.03" E to 24° 05' 27.03" N



Sl. No.	EC Condition	Response
I.	<b>Statutory compliance</b>	
i.	<b>The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.</b>	No Forest Land involved in the Project. We have obtained the land from West Bengal Industrial Infrastructure Development Corporation (WBIIDC) on lease for 99 years. Deed copy and the screenshot of “Know Your Approvals” from “PARIVESH” portal is being attached below for reference.




PARIVESH  
Ministry of Environment, Forest and Climate Change

Home > Know Your Approvals > Generate Report

Know Your Approvals - Tentative Applicability of Green Clearances


Layers  
List of Boundaries or Parameters covered >



Disclaimer: MoEFCC/NIC is not responsible for the positional inaccuracies, completeness or quality of the maps provided. Map data/indicative list of clearances provided here is for guidance purpose only. It does not constitute a legal opinion or advice.

Project/Activity	Sub Activity	Project Capacity/Extent
Cement plants	Standalone Grinding unit	5 MTPA

Tentative Clearances			
S.No	Approval	Applicability	Remarks
1	Environmental clearance	Yes	All Stand... <a href="#">More</a>
2	Forest Clearance	No	Project ar... <a href="#">More</a>
3	Wildlife Clearance	No	Project ar... <a href="#">More</a>
4	Coastal Regulation Clearance	No	Project ar... <a href="#">More</a>



भारतीय नैर न्यायिक  
एक सौ रुपये  
Rs. 100  
ONE HUNDRED RUPEES  
भारत INDIA  
INDIA NON JUDICIAL

West Bengal Industrial Infrastructure Development Corporation [PAN: AAACW3073C], a statutory corporation constituted under the West Bengal Industrial Infrastructure Development Corporation Act, 1974 (Act XXV of 1974) having its Head Office at DJ-10, Sector-II, Salt Lake City, PO. Nirman Bhavan, PS. Bidhannagar East, District – North 24 Parganas West, Kolkata- 700 091, within the municipal limits of Bidhannagar Municipal Corporation; hereinafter called the “Lessor” (which expression shall unless excluded by or repugnant to context be deemed to include its successors, legal representatives and assigns) of the ONE PART

AND

M/s. Sonar Bangla Cement – a division of and being a part of the primary corporate entity M/s. Century Textiles & Industries Limited. [PAN: AAACC2659Q] – a company incorporated and registered under the Companies Act, 1956 and is a company within the meaning of the Companies Act, 2013 having CIN: L17120MH1897PLC000163 and having its Registered Office at Century Bhavan, Dr. Annie Besant Road, PO. Worli Colony, PS. Worli Police Station, Worli – 400030, District - Mumbai, hereinafter called the “Lessee” (which expression shall unless excluded by or repugnant to the context, be deemed to mean and include its permitted & recognized legal administrators, executors, representatives and successors) of the OTHER PART,

WHEREAS the Lessor is fully seized of and sufficiently entitled to, being transferee of the 158.56 acres of land in Mouzas: Dakshinpara, JL No. 136; Dhalo, JL No. 137, Gankar, JL No. 138, Kanchanpur, JL No. 150 and Panchanpara JL No. 146 – all under P.S. Raghunathgunj, Dist. Murshidabad, as a Transferee by virtue of the Deed of Transfer being Deed No. 190402210 for the year 2017 registered at the Office of the Additional Registrar of Assurances-IV, Kolkata entered in Book No. 1, Volume No. 1904-2017, from page no. 87171 to page no. 87244 dated 09.03.2017 executed by and between the Lessor herein and Governor of the State of West Bengal and under the said Deed- the Lessor herein has been authorised to demise the land or any part thereof under its own terms & conditions;

AND WHEREAS by and under an ‘Agreement to Lease’ dated 24.03.2014 made between the Lessor herein-referred to as the ‘Corporation’ of the one part and the Lessee herein-referred to as the ‘Allottee’ of the other part, the Lessor demised the entire piece of land measuring 158.56 acres as mentioned in the Schedule ‘A’ hereunder and delineated in the map/plan hereto annexed, for a period of 99 years with effect from 20.02.2008 (date of possession), yielding & paying therefor the rent, other charges, impositions reserved thereby or otherwise

Major Information of the Deed

Deed No. / Year	1-1904-04022/2019	Date of Registration	17/04/2019
Query No. / Year	1904-0000496153/2019	Office where deed is registered	A.R.A. - IV KOLKATA, District - Kolkata
Query Date	25/03/2019 10:20:02 PM		
Applicant Name, Address & Other Details	Ahuja Kumar Panga Thana - WORLI District - Mumbai, MAHARASHTRA. PIN - 400030, Mobile No. : 9434732577, Status - Buyer/Customer		
Transaction	[0407] Lease, Lease by Govt./Govt. Authority/Govt. Undertaking		
Set Form Value	Additional Transaction (4308) Other than Immovable Property, Agreement (No of Agreement - 2)		
Stamp duty Paid(SD)	Rs. 38,68,70 / 130/-		
Registration Fee Paid	Rs. 5,23,781/- (Article 35)		
Remarks	Lease Period 99 Years & Advance/Premium Rs 5,05,06,592/- Average annual Rent Rs 9,30,880/-		


Land Details :






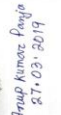
Sch. No.	Plot Number	Khatian Number	Land Use Proposed ROR	Area of Land	Self Forth Value (in Rs.)	Market Value (in Rs.)	Other Details
L1	LR-97		Industrial Use	0.04 Acre	1,08,000/-	1,08,000/-	Property is on Road Adjacent to Metal Road.
L2	LR-98		Industrial Use	0.23 Acre	6,21,000/-	6,21,000/-	Property is on Road Adjacent to Metal Road.
L3	LR-99		Industrial Use	0.07 Acre	1,89,000/-	1,89,000/-	Property is on Road Adjacent to Metal Road.
L4	LR-100		Industrial Use	0.06 Acre	1,62,000/-	1,62,000/-	Property is on Road Adjacent to Metal Road.
L5	LR-101		Industrial Use	0.37 Acre	9,99,000/-	9,99,000/-	Property is on Road Adjacent to Metal Road.
L6	LR-102		Industrial Use	0.07 Acre	1,89,000/-	1,89,000/-	Property is on Road Adjacent to Metal Road.
L7	LR-103		Industrial Use	0.05 Acre	1,35,000/-	1,35,000/-	Property is on Road Adjacent to Metal Road.
L8	LR-104		Industrial Use	0.08 Acre	2,16,000/-	2,16,000/-	Property is on Road Adjacent to Metal Road.
L9	LR-105		Industrial Use	0.39 Acre	10,53,000/-	10,53,000/-	Property is on Road Adjacent to Metal Road.
L10	LR-106		Industrial Use	0.02 Acre	54,000/-	54,000/-	Property is on Road Adjacent to Metal Road.

Major information of the Deed - 1-1904-04022/2019-17/04/2019

23/04/2019 Query No: 19040000496153 / 2019 Deed No: 1 - 190404022 / 2019. Document is digitally signed.




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 Government of West Bengal  
 Department of Finance (Revenue), Directorate of Registration and Stamp Revenue  
 OFFICE OF THE A.R.A. - IV KOLKATA, District Name :Kolkata  
 Signature / LTI Sheet of Query No/Year 19040000496153/2019  
 I. Signature of the Person(s) admitting the Execution at Private Residence.

Sl No.	Name of the Executant	Category	Photo	Finger Print	Signature with date
1	Shri BASAB BANERJEE DJ-10, Sector-II, Salt Lake City, P.O:- Nirman Bhawan, P.S:- East Bishannagar, District:- North 24-Parganas, West Bengal, India, PIN - 700091	Representative of Lessor [WEST BENGAL INDUSTRIAL INFRASTRUCTURE DEVELOPMENT CORPORATION]			
2	Shri Anup Kumar Panja Dr. Annie Besant Road, P.O:- Worli Colony, P.S:- WORLI, District:- Mumbai, Maharashtra, India, PIN - 400030	Representative of Lessee [CENTURY TEXTILES AND INDUSTRIES LIMITED]			

Query No:-19040000496153/2019, 27/03/2019 04:34:28 PM KOLKATA (A.R.A. - IV)

Page 2 of 3

Sl No.	Name and Address of identifier	Identifier of	Photo	Finger Print	Signature with date
1	Mr. Sibaram Das Son of Late Bepin Bahari Das VIII - Gobindapur, P.O:- Daria, P.S:- Singur, District:- Hooghly, West Bengal, India, PIN - 712223	Shri BASAB BANERJEE, Shri Anup Kumar Panja			

(Tribal Mark)  
ADDITIONAL REGISTRAR  
OF ASSURANCE  
OFFICE OF THE A.R.A. - IV KOLKATA  
Kolkata, West Bengal

Query No:-19040000496153/2019, 27/03/2019 04:36:39 PM KOLKATA (A.R.A. - IV)

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ii.

**The project proponent shall obtain clearance from the National Board for wildlife, if applicable.**

Not applicable. Already attached the screenshot of “Know Your Approvals” from “PARIVESH” portal.

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)**

There is no schedule-I species presence with in 10km radius of plant site. Authentication letter from DFO is being attached below for reference.





Government of West Bengal  
Directorate of Forests  
Office of the Divisional Forest Officer,  
Nadia-Murshidabad Division.  
Krishnagar, Nadia.  
Pin 741101



dfomm-wb@nic.in

03472-252362

Memo No. 337 / 17-24, Dated, Krishnagar, the 30 / 7 / 2021

To : The Bhavesh wala ( Unit Head )  
Ultratech Cement Limited ( Sonar Bangla Cement Unit )  
Dhalo, Gankar , Raghunathganj -1  
Murshidabad W.B.

Sub : Expansion of Cement production Capacity of Existing stand -alone Clinker grinding Unit  
( 2.0 to 5.0 MTPA ) at Sonar Bangla Cement Works, Vill- Dhalo, P.O -Gankar, Block -  
Raghunathganj, District : Murshidabad (W.B) by M/S Ultra Tech cement Limited ( Unit :  
Sonar Bangla Cement Works ) Reg.  
Authentication of Flora & Fauna existing within 10 km radius of plant site

Ref : Your letter no -UTCL/ SBCW / 21-22 /082 dt. 16/ 04/ 2021 & R/O Raghunathganj , Memo no, -  
164 / RGG -28 dt. 16 /07/ 2021.

This is to inform you that the list of species within 10 km radius of the plant site of Dhalo,  
Gankar, Block- Raghunathganj, Murshidabad ( Annexure- 2 ) is hereby authenticated by  
the undersigned.

Divisional Forest Officer  
Nadia Murshidabad Division

Memo No. / , Dated, Krishnagar, the /2021

Copy forwarded for information to:-

1. Range Officer, RGG Range.

Sd/- Pradip Bauri, I.F.S.  
Divisional Forest Officer  
Nadia Murshidabad Division

List of Flora and Fauna:

List of flora observed in the study area as well as core zone is as mentioned in the list given below:

Table - 1  
INVENTORY OF FLORAL DIVERSITY IN CORE & BUFFER ZONE OF PLANT SITE  
Based on Actual Sighting, inputs from locals and Secondary Data  
Habit: Tree (T), Shrub (S) & Climber (C)

No.	Scientific Name	Common Name	Family
1.	Acacia nilotica	Babool	Fabaceae
2.	Acacia auriculiformis	Akashmani	Fabaceae
3.	Annona reticulata	Nona	Annonaceae
4.	Artocarpus integrifolia	Kantal	Moraceae
5.	Avicennia officinalis	Bean	Acanthaceae
6.	Anthrocephalus cadamba	Kadamba	Rubiaceae
7.	Allstonia scholaris	Chatim	Apocynaceae
8.	Azadirachta indica	Neem	Meliaceae
9.	Aegle marmelos	Bel	Rutaceae
10.	Butea frondosa	Palas	Fabaceae
11.	Bombax ceiba	Simul	Malvaceae
12.	Barringtonia acutangula	Indian Oak	Lecythidaceae
13.	Cassia fistula	Banar chari	Fabaceae
14.	Caesalpinia pucherrima	Krishnachura	Fabaceae
15.	Casuarina equisetifolia	Jhau, Beef wood	Casuarinaceae
16.	Cocos nucifera	Coconut palm	Arecaceae
17.	Delonix regia	Culmohar	Fabaceae
18.	Dipterocarpus scaber	Corgan	Dipterocarpaceae
19.	Dalbergia sisso	Sisso	Fabaceae
20.	Diospyros cordifolia	Gab	Ebenaceae
21.	Diospyros embryopteris	Cab (sp.)	Ebenaceae
22.	Embellica officinalis	Amilaki	Phyllanthaceae
23.	Eucalyptus globulus	Eucalyptus	Myrtaceae
24.	Erythrina indica	Palte madar	Fabaceae
25.	Eugenia formosa	Phul jam	Myrtaceae
26.	Eugenia jambolana	Kali jam	Myrtaceae
27.	Flacourtia sepiaria	Banchi	Salicaceae
28.	Ficus benghalensis	Bot	Moraceae
29.	Ficus religiosa	Agwatha	Moraceae
30.	Ficus infectoria	Pakur	Moraceae
31.	Ficus hispida	Dumbur	Moraceae
32.	Ficus glomerata	Jagya dumbur	Moraceae
33.	Grewia asiatica	Phalsa	Malvaceae
34.	Holrhenia antidysentrica	Kurchi	Apocynaceae
35.	Mangifera indica	Aam	Anacardiaceae
36.	Melia azedarach	Ghora nim	Meliaceae
37.	Moringa oleifera	Sajin	Moringaceae
38.	Mimusops elengi	Bakul	Sapotaceae
39.	Leucaena leucocephala	Sababul	Fabaceae
40.	Odina woder	Jhal	Anacardiaceae

Sd/- Pradip Bauri, I.F.S.  
Range Officer  
Raghunathganj Range

Divisional Forest Officer  
Nadia-Murshidabad Division

No.	Scientific Name	Common Name	Family
41.	Oryzium indicum	Sona	Bignoniaceae
42.	Orydanda rigia	Royal palm	Arecaceae
43.	Polyalthia longifolia	Debdaru	Annonaceae
44.	Pheonix sylvestris	Khejur	Arecaceae
45.	Pandanus fascicularis	Keora	Pandanaceae
46.	Psidium gujava	Piara	Myrtaceae
47.	Plumeria acutifolia	Goar charipa	Apocynaceae
48.	Pterospermum acerifolium	Kanak champa	Sterculiaceae
49.	Rhizophora apiculata	Kharno	Rhizophoraceae
50.	Rhizophora mucronata	Asiatic mangrove	Rhizophoraceae
51.	Sterculia foetida	Jangli badam	Malvaceae
52.	Sapindus trifoliatus	South Indian soapnut	Sapindaceae
53.	Spondius mangifera	Jungli aam	Anacardiaceae
54.	Saraca indica	Asoke	Fabaceae
55.	Sonneratia apetala	Keora	Lythraceae
56.	Strebulus asper	Sheora	Moraceae
57.	Scindapsus officinalis	Gaj pipul	Araceae
58.	Tamarindus indica	Tentul	Fabaceae
59.	Tamarix gallica	Ban jhau	Tamaricaceae
60.	Thespesia populnea	Paras pipul	Malvaceae
61.	Terminalia arjuna	Arjun	Combretaceae
62.	Terminalia chebula	Haritaki	Combretaceae
63.	Terminalia bellirica	Bahera	Combretaceae
64.	Tectona grandis	Segun	Lamiaceae
65.	Thuja occidentalis	Mourpankhi	Cupressaceae
66.	Vitex negundo	Nishinda	Lamiaceae
67.	Zizyphus maurandina	Kul	Rhamnaceae
68.	Berzassia fabellifer	Tal	Arecaceae
69.	Anacardium occidentale	Hiji badam	Anacardiaceae
70.	Antiborys odoratissimus	Kantali champa	Annonaceae
71.	Excoecaria agallocha	Gangwa	Euphorbiaceae
72.	Michelia champaca	Champa	Mangoliaceae
73.	Areca catechu	Supari	Arecaceae
74.	Adhatoda vasica	Basak	Acanthaceae
75.	Abutilon indicum	Potari	Malvaceae
76.	Acanthus ilicifolius	Hargoza	Acanthaceae
77.	Berberis cristata	Janti	Acanthaceae
78.	B. prionitis	Kanta Janti	Acanthaceae
79.	Cassia sophora	Kal-casunda	Fabaceae
80.	C. occidentalis	Chakundi	Fabaceae
81.	C. tora	Akanda	Fabaceae
82.	Calotropis gigantea	Svet akanda	Apocynaceae
83.	C. procera	Ban-jui	Apocynaceae
84.	Clerodendron inerme	Ghetu	Lamiaceae
85.	Clerodendron infortunatum	Titabhamt	Lamiaceae
86.	Caesalpinia crista	Kanta karanja	Fabaceae
87.	Datura metel	Datura	Solanaceae

No.	Scientific Name	Common Name	Family
88.	Jatropha curcas	Bag bheranda	Euphorbiaceae
89.	J. gossypifolia	Lal bheranda	Euphorbiaceae
90.	Lantana camara var. Aculeata	Putus	Verbenaceae
91.	L. indica	Putus	Verbenaceae
92.	Plumbago zeylanica	Chitrak	Plumbaginaceae
93.	Polyalthia suberosa	Cham khini	Annonaceae
94.	Rauwolfia serpentina	Sargandha	Apocynaceae
95.	Vernonia anthelmintica	Somraj	Asteraceae
96.	Antigonon leptopus	Madhumalati	Polygonaceae
97.	Cuscuta reflexa	Swarnalata	Convolvulaceae
98.	Coccinia cordifolia	Tundru	Cucurbitaceae
99.	Dioscorea bulbifera	Khamrua	Dioscoreaceae
100.	Dalbergia spinosa	Indian Rosewood	Fabaceae
101.	Derris trifoliata	Kaliya lata	Fabaceae
102.	Hemidesmus indicus	Anantmul	Apocynaceae
103.	Ichnocarpus frutescens	Dudhila	Apocynaceae
104.	Ipomoea cairica	Neeli Bel	Convolvulaceae
105.	Ipomoea sepiaria	Lakshmana	Convolvulaceae
106.	Leptadenia reticulata	Jeevani	Apocynaceae
107.	Mikania scandens	Talakucha	Asteraceae
108.	Pueraria tuberosa	Indian Kudzu	Fabaceae
109.	Tylophora indica	Antamool	Apocynaceae

Table - 2  
INVENTORY OF FAUNAL DIVERSITY IN CORE & BUFFER ZONE OF PLANT SITE  
Based on Field Survey, based on inputs from locals and Perused from Secondary Data

S.No.	Scientific Name	Common Name	Conservation status as per IUPAC 1972
1.	Macaca mulatta	Rhesus Macaque	Sch. II
2.	Macaca radiata	Bonnet Macaque	Sch. II
3.	Presbytis entellus	Hanuman Langur	Sch. II
4.	Canis aureus	Jackal	Sch. II
5.	Vulpes bengalensis	Indian Fox	Sch. II
6.	Viverricula indica	Small Indian Civet	Sch. II
7.	Hapsteve edward	Common Indian Mongoose	Sch. II
8.	Lutra lutra	Common Otter	Sch. II
9.	Rattus rattus	Black rat	Sch. IV
10.	Mus musculus	House mouse	Sch. IV
11.	Bandicota bengalensis	Bandicoot rat	Sch. IV
12.	Funambulus pennant	Indian Squirrel	Sch. IV
13.	Hystrix indic	Indian porcupine	Sch. IV
14.	Cynopterus sphinx	Short nosed fruit bat	Sch. V
15.	Taphozous melanopogon	Bearded sheath tailed bat	-
16.	Ovis aries	Sheep	-
17.	Bos indicus	Cow	-
18.	Bubalus indicus	Buffalo	-
19.	Sus cristatus	Pig	-
20.	Felis domesticus	Cat	-

Sd/- Pradip Bauri, I.F.S.  
Range Officer  
Raghunathganj Range

Divisional Forest Officer  
Nadia-Murshidabad Division

S.No.	Scientific Name	Common Name	Conservation status as per IWPA' 1972
21.	<i>Canis familiaris</i>	Dog	-
22.	<i>Capra hircus</i>	Goat	-
23.	<i>Equus caballus</i>	Horse	-
24.	<i>Gekko gekko</i>	House Gecko	Sch. IV
25.	<i>Rana rhacophorus</i>	Fresh water frog	Sch. IV
26.	<i>Bufo melanostictus</i>	South Indian Toad	Sch. IV
27.	<i>Ophiophagus Hinnah</i>	King Cobra	Schedule II
28.	<i>Naja naja</i>	Cobra	Schedule IV
29.	<i>Gekko gekko</i>	House Gecko	Schedule IV
30.	<i>Rana rhacophorus</i>	Fresh water frog	Schedule IV
31.	<i>Bufo melanostictus</i>	South Indian Toad	Schedule IV

(+) Shows: Presence of the species and (-) Shows: Absence of the species

#### Analysis of Fauna

Table - 3  
INVENTORY OF AVIFAUNAL DIVERSITY IN CORE & BUFFER ZONE OF PLANT SITE  
Based on Actual Sighting, Inputs from locals and Secondary Data

S. No.	Scientific Name	Common Name	Conservation Status as per IWPA' 1972
1.	<i>Francolinus pondicerinus</i>	Gray partridge	Sch. IV
2.	<i>Francolinus francolinus</i>	Black Partridge	Sch. IV
3.	<i>Perdix alicia</i>	Blue quail	Sch. IV
4.	<i>Coturnix coturnix</i>	Common quail	Sch. IV
5.	<i>Gallus sonneratii</i>	Gray jungle fowl	Sch. IV
6.	<i>Ptilinopus krameri</i>	Rose ringed parakeet	Sch. IV
7.	<i>Streptopelia chinensis</i>	Spotted doves	Sch. IV
8.	<i>Merops superciliosus</i>	Bee eater	-
9.	<i>Coracias benghalensis</i>	Indian roller	Sch. IV
10.	<i>Streptopelia chinensis</i>	Spotted dove	Sch. IV
11.	<i>Haliastur smyrnensis</i>	King fisher	Sch. IV
12.	<i>Eudynamis scolopacea</i>	Koel	Sch. IV
13.	<i>Passer domesticus</i>	House sparrow	Sch. IV
14.	<i>Acridotheres</i>	Myna	Sch. IV
15.	<i>Corvus splendens</i>	House crow	Sch. IV
16.	<i>Podiceps ruficollis</i>	Little grebe/dabchick	-
17.	<i>Anhinga rufa</i>	Darter	-
18.	<i>Phalacrocorax niger</i>	Small cormorant	Sch. IV
19.	<i>Ardeola grayii</i>	Pond heron	Sch. IV
20.	<i>Haliastur indus</i>	Kite	Sch. IV
21.	<i>Haliastur indus</i>	Kite	Sch. IV
22.	<i>Teron phoeniceus</i>	Common green penguin	Sch. IV

4

S. No.	Scientific Name	Common Name	Conservation status as per IWPA' 1972
23.	<i>Eudynamis scolopacea</i>	Koel	Sch. IV
24.	<i>Tyto alba</i>	Barn owl	Sch. III
25.	<i>Alcedo arthys</i>	Small blue kingfisher	Sch. IV
26.	<i>Ceryle rudis</i>	Pied kingfisher	Sch. IV
27.	<i>Merops orientalis</i>	Small green bee eater	Sch. IV
28.	<i>Acridotheres tristis</i>	Myna	Sch. IV

(+) Shows: Presence of the species and (-) Shows: Absence of the species

\*\*\*\*\*

Range Officer  
Raghunathan Rang

Divisional Forest Officer  
Nadia-Murshidabad Division

5

\*\*\* FOR ALL INFORMATION, CONTACT: 033-2661400/033-2661420

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.**

We have obtained the Consent to Operate (CTO) for capacity 2.0 MTPA vide CTO No. – CO090074, dated 03<sup>rd</sup> March 2022, till valid up to 31<sup>st</sup> January 2024 and expanded capacity of 3.0 MTPA vide CTO No. – CO144031, dated 07<sup>th</sup> September 2023, till valid up to 31<sup>st</sup> May 2028 granted by West Bengal Pollution Control Board. CTO copies are being attached below for reference.

v.

**The project proponent shall obtain the necessary permission from the Competent Authority, in case of drawl of ground water in case of drawl of surface water required for the project.**

The permission of 2nos. borewell for ground water withdrawal has obtained from District Level Ground Water Resources Development Authority vide permit no. P1119137003920000001TSE, serial no. of application form BP/A 0686, SL- 64, 26-07-2021 dated 25th January 2022, and vide permit no. P1119137003920000001TSE, serial no. of application form BP/A 0686, SL- 65, 26-07-2021 dated 25th January 2022. Permit copies are being attached below as a reference.



**FORM-4**


[See Rules 9(3) and 10(5)]

Office of the Geologist, SWID & Member Secretary,  
District Level Ground Water Resources Development  
Authority (DLA), Murshidabad

**PERMIT FOR SINKING OF NEW WELL**

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources  
(Management, Control and Regulation) Act 2005.]

**PERMIT NO : P1119137003920000001TSE**

1. a) Name of the Unit: : Sonar Bangla Cement Works  
b) Address of the Unit: : Ultra Tech Cement Ltd. (Unit: Sonar Bangla Cement Works),  
c) Category of farmer : Village- Dhalo, PO-Gankar, PS-Raghunathganj,  
d) Serial No. of Application Form and : BP/A 0686, SL- 64, 26-07-2021  
Date Of Submission:  
e) Speciman Signature of the User : 
2. Location Particulars  
a) District : : Murshidabad  
b) Block/Mouza, J.L. No., Plot No. : Block- Raghunathganj-I,  
Mouza - Dhalo  
J.L. No.- 137,  
Plot No.- 410  
c) Municipality/corporation, : Municipality/corporation-  
Ward No., Borough No., Holding No. : Ward No.-, Borough No.-, Holding No.-, Plot No.-. 410

**3. Particulars of the proposed well**

a) Type of the well	Tube well
b) Approx. depth of the well in mtr.	110
c) Purpose of well	Industrial
d) Assembly size (for tube well)	24 mm
e) Approx Strainer Length for tubewell	12 m
f) Diameter (for dug well)	0 mm
g) Type of the pump to be used	Submersible
h) H.P. of the pump	6
i) Operational Device of the pump	Electric Motor
j) Rate of the Withdrawal ( m <sup>3</sup> /hr.)	30
k) Maximum allowable running hours per day	8

This permit authorizes the owner applicant (user) to sink a well in the location specified at S.I (2) for extraction of ground water at a rate not exceeding that as shown at S.I(3) (j) and for running hours/day as shown at S.I(3)(K), and is valid subject to the observance of the condition as stated overleaf.

Place : Murshidabad

Date : 25-01-2022

Geologist, SWID & Member Secretary,  
District Level Ground Water Resources Development  
Authority (DLA), Murshidabad

**Conditions:**

1. In case of any change of Ownership of the proposed well, fresh registration to be obtained.
2. No Change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated as S.I(2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any Deviation in this regard shall lead to the cancellation to this permit.
3. In case of any particulars/ information furnished by the applicant in his application for the issuance of this permit is found to be incorrect during verification to any subsequent stage, this permit is liable for cancellation.
4. Any other condition imposed by the concerned Authority.

NB- Please See Reverse

**FORM-4**


[See Rules 9(3) and 10(5)]

Office of the Geologist, SWID & Member Secretary,  
District Level Ground Water Resources Development  
Authority (DLA), Murshidabad

**PERMIT FOR SINKING OF NEW WELL**

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources  
(Management, Control and Regulation) Act 2005.]

**PERMIT NO : P1119137003920000001TSE**

1. a) Name of the Unit: : Sonar Bangla Cement Works  
b) Address of the Unit: : Ultra Tech Cement Ltd. (Unit: Sonar Bangla Cement Works),  
c) Category of farmer : Village- Dhalo, PO-Gankar, PS-Raghunathganj,  
d) Serial No. of Application Form and : BP/A 0686, SL- 65, 26-07-2021  
Date Of Submission:  
e) Speciman Signature of the User : 
2. Location Particulars  
a) District : : Murshidabad  
b) Block/Mouza, J.L. No., Plot No. : Block- Raghunathganj-I,  
Mouza - Dhalo  
J.L. No.- 137,  
Plot No.- 392  
c) Municipality/corporation, : Municipality/corporation-  
Ward No., Borough No., Holding No. : Ward No.-, Borough No.-, Holding No.-, Plot No.-. 392

**3. Particulars of the proposed well**

a) Type of the well	Tube well
b) Approx. depth of the well in mtr.	110
c) Purpose of well	Industrial
d) Assembly size (for tube well)	24 mm
e) Approx Strainer Length for tubewell	12 m
f) Diameter (for dug well)	0 mm
g) Type of the pump to be used	Submersible
h) H.P. of the pump	6
i) Operational Device of the pump	Electric Motor
j) Rate of the Withdrawal ( m <sup>3</sup> /hr.)	30
k) Maximum allowable running hours per day	8

This permit authorizes the owner applicant (user) to sink a well in the location specified at S.I (2) for extraction of ground water at a rate not exceeding that as shown at S.I(3) (j) and for running hours/day as shown at S.I(3)(K), and is valid subject to the observance of the condition as stated overleaf.

Place : Murshidabad

Date : 25-01-2022

Geologist, SWID & Member Secretary,  
District Level Ground Water Resources Development  
Authority (DLA), Murshidabad

**Conditions:**

1. In case of any change of Ownership of the proposed well, fresh registration to be obtained.
2. No Change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated as S.I(2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any Deviation in this regard shall lead to the cancellation to this permit.
3. In case of any particulars/ information furnished by the applicant in his application for the issuance of this permit is found to be incorrect during verification to any subsequent stage, this permit is liable for cancellation.
4. Any other condition imposed by the concerned Authority.

NB- Please See Reverse

vi.

The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

We have obtained the authorization vide Memo No. 175/2S(HW)-3227/2016 dated 31<sup>st</sup> December 2021 valid up to 31<sup>st</sup> April 2026. Hazardous Waste authorization letter is being attached below for reference.





## WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)  
Paribesh Bhawan  
Bldg. No. 10 A, Block-LA, Sector-III, Bidhan Nagar,  
Kolkata - 700 098  
Tel : 0091 (033) 2335-9088 / 8661 / 8211 / 8073 / 6731  
2335-0261 / 8212 / 8213 / 7428 / 5975  
Fax : 0091 (033) 2335 6730 / 2813  
Website : [www.wbpcb.gov.in](http://www.wbpcb.gov.in), e-mail : [wbpcbnet@wbpcb.gov.in](mailto:wbpcbnet@wbpcb.gov.in)

Memo No. 175/2S(HW) -3227/2016

Date: 31.12.2021

### FORM 2

Grant of Authorization under the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Ref.: Application authorization dated 07.10.2021 for management & handling of Hazardous & Other Waste (Management & Transboundary) Rules, 2016 and its amendment thereafter.

M/s. UltraTech Cement Limited, unit: Sonar Bangla Cement Works.

Vill. Dhola, P.O.: Gankar, P.S.: Raghunathganj, Dist: Murshidabad-742227 is hereby granted an authorisation for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal, or any other use of hazardous or other wastes or both on the Vill. Dhola, P.O.: Gankar, P.S.: Raghunathganj, Dist: Murshidabad-742227.

#### Details of Authorisation:

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (Ton/year)
1.	5.1	Recycling through authorized recyclers.*	10.0
2.	5.2	Disposal to CHWTSDF.*	10.5
3.	33.1	Recycling through authorized recyclers.*	1.0

\* For detail refer to Specific Conditions.

(1) Authorization shall be valid for a period upto 31.10.2026 with effect from the date of issue

(2) The authorization is subject to the following general and specific conditions:

  
[Chief Engineer]  
West Bengal Pollution Control Board  
Subrata Ghosh  
Chief Engineer  
West Bengal Pollution Control Board  
(Department of Environment, Government of West Bengal)

Page 1 of 3

#### A. General conditions of authorization:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be three months before the expiry of such authorisation.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30<sup>th</sup> every year for the period ending 31st March of that year.

#### B. Specific conditions:

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places and the unit shall not store hazardous waste on site for more than 90 days.
2. Used/discarded DG Set filter (36.2), and oil contaminated cotton waste (5.2) shall be disposed to the CHWTSDF through Manifest system (Form-10).
3. Used oil (5.1) and contaminated barrels/containers (33.1) shall be sold through manifest system (Form 10) to the authorized recyclers having valid authorization of the State Pollution Control Board. During each sale, original Pass-book issued by SPCB to the authorized recyclers shall be endorsed mentioning the quantity and copy

Page 2 of 3

of the same shall be kept as record. If not fit for recycling shall be sent to CHWTSDF facility with manifest system.

4. The unit shall submit copies of Form 10 to the State Board on a regular basis.
5. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vehicle's Act, 1988. The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.
6. Records of hazardous waste generation, storage and disposal shall be maintained properly and shall be available to the inspecting officials of the State Board during inspection.
7. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
8. Authorisation will be revoked in case of non-compliances with any of the above conditions.

M/s. UltraTech Cement Limited, unit: Sonar Bangla Cement Works.  
Vill. Dhola, P.O.: Gankar, P.S.: Raghunathganj,  
Dist: Murshidabad-742227

  
[Chief Engineer]  
West Bengal Pollution Control Board  
Subrata Ghosh  
Chief Engineer  
West Bengal Pollution Control Board  
(Department of Environment, Government of West Bengal)

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## 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.No.612(E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) 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.

We have installed 24x7 CEMS at process Stack, S1\_Cement Mill 1 and S3\_Cement Mill 2 and they are connected to CPCB online servers. Calibration is being done every month as per the manual stack monitoring reports from Indicative Consultant India, a NABL accredited lab. The data of manual stack monitoring from month April 2023 to September 2023 are below

Month	Parameter	Result (mg/Nm3)	
		Cement Mill 1	Cement Mill 2
Apr23	PM	18.0	19.0
May23	PM	19.0	18.0
Jun23	PM	23.0	17.0
Jul23	PM	20.0	12.0
Aug23	PM	19.0	14.0
Sep23	PM	17.0	15.0

Monthly summary data of CEMS from April 2023 to September 2023 are below

Month	PM (mg/Nm3)					
	Cement Mill-1			Cement Mill-2		
	Max	Min	Avg.	Max	Min	Avg.
Apr23	20.36	8.14	18.45	19.94	8.39	15.37
May23	19.84	8.52	18.42	19.76	8.24	16.62
Jun23	24.74	8.13	20.48	18.19	8.12	13.55
Jul23	22.27	10.24	19.55	17.29	8.27	11.38
Aug23	19.14	8.26	17.60	14.91	8.29	11.72
Sep23	19.02	8.33	17.76	16.03	8.19	11.71

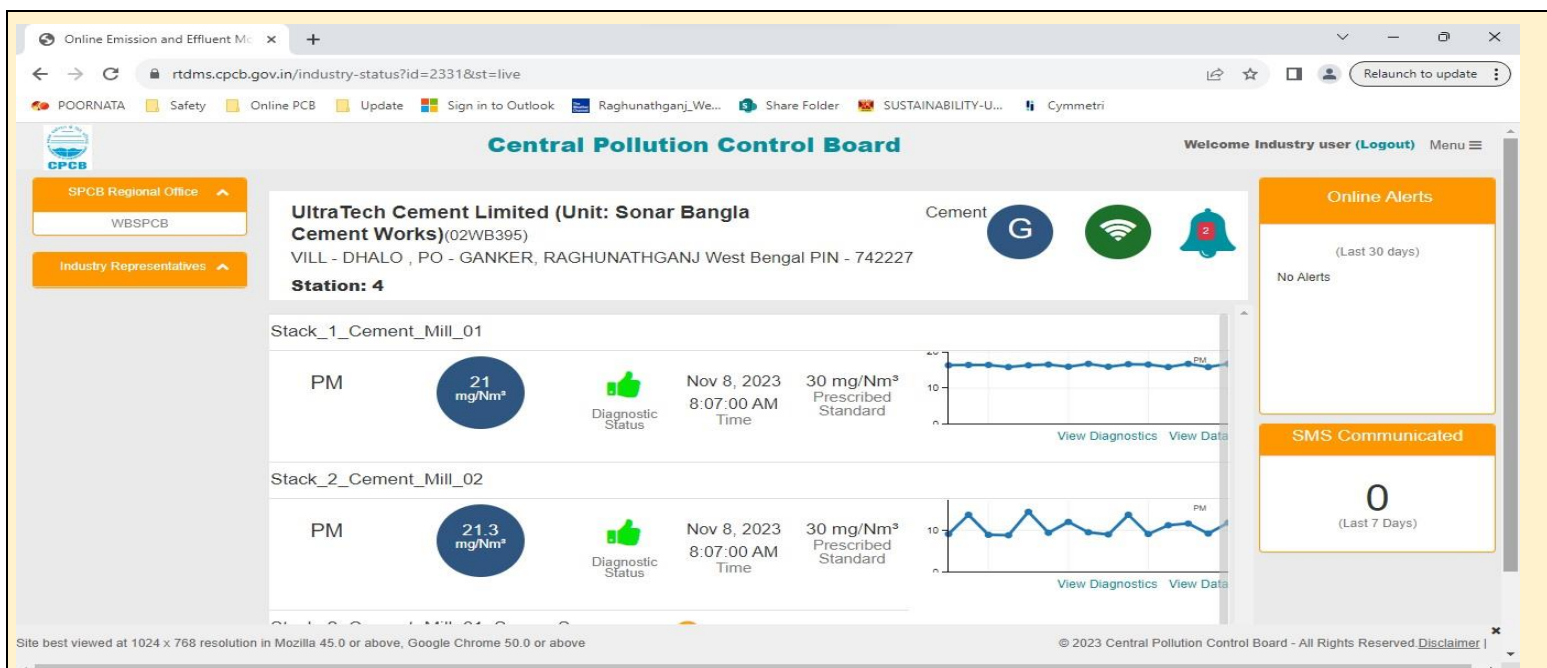


S1-Cement Mill 1



S3-Cement Mill 2

Online Continuous Emission Monitoring System installed at Process Stack



### Systems are connected to CPCB Online Server

ii.

The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.

We monitor fugitive emission once in every quarter i.e. June, September, December, March through Indicative Consultant India, a NABL accredited lab. The data of fugitive monitoring of moths June 2023 and September 2023 are below

Month	Parameter (µg/m3)	Locations			
		Wagon Tippler	Packing Plant	CCR Building	Cement Mill
Jun23	SPM	1648.23	1176.55	433.80	1394.63
Sep23	SPM	1887.41	1483.62	469.42	1698.37

iii.

The project proponent shall install system carryout to Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutants released (e.g. PM 10 and PM 2.5 in reference to PM emission, and SO2 and NOX in reference to SO2 and 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)

As it is only grinding unit, manual Ambient Air Quality Monitoring (AAQM) is being monitored at Buffer end area is within plant and Near Dhalo, Aradanga (Near Main Gate) and Near Dakshinpara villages every month through Indicative Consultant India, NABL accredited lab. The data of AAQM from month April 2023 to September 2023 are below



# MONTHLY SUMMARY OF MANUAL AMBIENT AIR MONITORING REPORTS

Months	Parameters	Near Dhalo Village	Aradanga (Near Main Gate)	Near Dakshinpara Village	Buffer End Area
Apr 23	PM <sub>10</sub> (µg/m <sup>3</sup> )	55.18	62.50	56.54	62.11
	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	40.05	33.63	31.28	40.04
	SO <sub>2</sub> (µg/m <sup>3</sup> )	10.35	10.35	11.38	13.45
	NO <sub>2</sub> (µg/m <sup>3</sup> )	24.68	26.51	23.77	26.51
May 22	PM <sub>10</sub> (µg/m <sup>3</sup> )	53.11	58.30	55.38	57.51
	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	35.98	33.72	39.98	39.96
	SO <sub>2</sub> (µg/m <sup>3</sup> )	10.14	11.15	9.12	12.16
	NO <sub>2</sub> (µg/m <sup>3</sup> )	23.63	22.75	24.50	25.38
Jun 22	PM <sub>10</sub> (µg/m <sup>3</sup> )	49.50	54.67	52.82	55.28
	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	37.43	31.28	38.70	38.86
	SO <sub>2</sub> (µg/m <sup>3</sup> )	8.11	10.14	9.12	14.19
	NO <sub>2</sub> (µg/m <sup>3</sup> )	21.88	22.75	20.13	28.0
Jul 23	PM <sub>10</sub> (µg/m <sup>3</sup> )	55.91	58.30	62.14	59.27
	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	39.98	33.72	42.47	39.96
	SO <sub>2</sub> (µg/m <sup>3</sup> )	9.12	9.12	10.14	12.16
	NO <sub>2</sub> (µg/m <sup>3</sup> )	23.63	21.88	21.88	27.13
Aug 23	PM <sub>10</sub> (µg/m <sup>3</sup> )	55.14	62.41	59.29	75.29
	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	38.73	41.22	39.98	47.47
	SO <sub>2</sub> (µg/m <sup>3</sup> )	11.15	11.15	10.14	19.19
	NO <sub>2</sub> (µg/m <sup>3</sup> )	21.00	23.63	20.31	31.50
Sep 23	PM <sub>10</sub> (µg/m <sup>3</sup> )	50.39	57.49	55.67	68.33
	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	37.48	39.98	38.74	44.97
	SO <sub>2</sub> (µg/m <sup>3</sup> )	10.14	10.14	9.13	15.20
	NO <sub>2</sub> (µg/m <sup>3</sup> )	20.13	21.88	21.00	32.38

One Continuous Ambient Air Quality Monitoring Station installed inside plant and two more is under process. The data of CAAQMS from April 2023 to September 2023 are below

Month	Parameter ( $\mu\text{g}/\text{m}^3$ )	AAQMS1-PM <sub>10</sub>	AAQMS1-PM <sub>2.5</sub>
Apr23	Max	89.65	56.2
	Min	40.30	27.3
	Avg	59.37	38.95
May23	Max	86.39	55.99
	Min	40.93	30.09
	Avg	55.74	32.74
Jun23	Max	92.77	59.92
	Min	44.49	24.42
	Avg	55.34	43.17
Jul23	Max	83.44	58.09
	Min	40.18	21.48
	Avg	58.37	41.15
Aug23	Max	82.98	58.87
	Min	40.16	40.34
	Avg	58.72	41.45
Sep23	Max	92.77	59.92
	Min	44.49	24.42
	Avg	55.34	43.17



**CONTINUOUS AMBIENT AIR QUALITY  
MONITORING SYSTEM INSTALLED  
AT PLANT PREMISES**

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.**

The last monthly summary report was submitted for the period October 2022 to March 2023 vide letter no. UTCL/SBCW/23-24/0300 dated 24.05.2023. Herewith we are submitting monthly summary report along with six-month report for the period of April 2023 to September 2023.

SIX-MONTHS SUMMARY OF CEMS							
Month	Limits (mg/Nm3)	PM (mg/Nm3)					
		Cement Mill-1			Cement Mill-2		
		Max	Min	Avg.	Max	Min	Avg.
Apr 23 to Sep 23	30	24.74	8.13	18.71	19.94	8.12	11.71

SIX-MONTHS SUMMARY OF MANUAL STACK MONITORING							
Month	Limits (mg/Nm3)	PM (mg/Nm3)					
		Cement Mill-1			Cement Mill-2		
		Max	Min	Avg.	Max	Min	Avg.
Apr 23 to Sep 23	30	23.0	17.0	19.33	19.0	12.0	15.83

Month	Parameter (µg/m³)	AAQMS1-PM <sub>10</sub>	Prescribed Limit for PM <sub>10</sub>	AAQMS1-PM <sub>2.5</sub>	Prescribed Limit for PM <sub>10</sub>
Apr 23 to Sep 23	Max	92.77	Annual – 60 µg/m <sup>3</sup> 24 Hours – 100 µg/m <sup>3</sup>	59.92	Annual – 40 µg/m <sup>3</sup> 24 Hours – 60 µg/m <sup>3</sup>
	Min	40.16		21.48	
	Avg	57.15		38.11	

#### SIX-MONTHS SUMMARY OF MANUAL AMBIENT AIR MONITORING

Months	Parameters	Near Dhalo Village			Aradanga (Near Main Gate)			Near Dakshinpara Village			Buffer End Area		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
Apr 23 to Sep 23	PM <sub>10</sub> (µg/m³)	55.91	49.5	53.21	62.50	54.67	58.95	62.14	52.82	56.97	75.29	55.28	62.97
	PM <sub>2.5</sub> (µg/m³)	40.05	35.98	38.28	41.22	33.63	36.45	42.47	31.28	38.53	47.47	38.86	41.88
	SO <sub>2</sub> (µg/m³)	11.15	8.11	9.84	11.15	9.12	10.34	11.38	9.12	9.84	19.19	12.16	14.39
	NO <sub>2</sub> (µg/m³)	24.68	20.13	22.49	26.51	21.88	23.23	24.50	20.13	21.93	32.38	25.38	28.48

\* Limit in µg/m³ as per National Ambient Air Quality Series: NAAQMS/37/2012-13

PM<sub>10</sub> = 100 µg/m³, PM<sub>2.5</sub> = 60 µg/m³, SO<sub>2</sub> = 80 µg/m³, NO<sub>2</sub> = 80 µg/m³, 24 hours basis for Industrial, Residential, Rural and Others Area.

PM<sub>10</sub> = 60 µg/m³, PM<sub>2.5</sub> = 40 µg/m³, SO<sub>2</sub> = 50 µg/m³, NO<sub>2</sub> = 40 µg/m³, Annual basis for Industrial, Residential, Rural and Others Area.

#### SIX-MONTHS SUMMARY OF MANUAL FUGITIVE AIR MONITORING

Months	Parameters	Wagon Tippler			Packing Plant			CCR Building			Cement Mill		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
Apr 23 to Sep 23	SPM (µg/m³)	1887.41	1648.23	1767.82	1483.62	1176.55	1546.5	469.42	433.8	451.61	1698.37	1394.63	1546.5

\*as per CPCB guideline for Cement Plant, The SPM concentration, measured at 10 meter distance (from the enclosure wall housing the emission source or from the edge of the stockpiles/pavement area) in downwind direction shall not exceed 2000 microgram per cubic meter.



v.	<p><b>Appropriate Air Pollution Control (APC) system shall be provided for all the dust' generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.</b></p>	<p>Adequate capacity of APC system has installed at dust generation points and vulnerable sources to achieve the emission standards.</p>
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 <p>Closed Circuit Ball Mill</p>	 <p>Highly Efficient Cyclone Separators</p>	 <p>Dry Fly Ash pneumatically unloading to bin</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <b>AIR POLLUTION CONTROL DEVICE (APCD)</b> </div>
 <p>Bag House at Cement Mill</p>	 <p>Bag filters at transfer points</p>	 <p>Bag House at Wagon Tippler</p>	

vi.	<p><b>The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.</b></p>	<p>All the bag houses and bag filters are fitted with highly efficient Pulse Jet type bag cleaning system with leakage detection system for better maintenance and improved life of bags.</p>
vii.	<p><b>Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.</b></p>	<p>As this is only a grinding unit as per Corporate Responsibility of Environmental Protection (CREP), the conditions 1, 6, 8, 10, are compiled and 2, 3, 4, 5, 7, 9, 11 and 12 are not applicable for this project. A compliance status has been attached in point IX. and sub point vii.</p>
viii.	<p><b>Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.</b></p>	<p>One stationary and two movable vacuum cleaners is provided and being used in the unit for cleaning the plant roads, shop floor and roofs regular basis.</p>

 <p>Mobile Vacuum Cleaning Machine</p>	 <p>Vacuum Sweeping Machine</p>	 <p>Vacuum Cleaning Machine</p>
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ix.	<p><b>Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.</b></p>	<p>Most raw material stored in silo and yards covered shed and Internal transportation of raw materials is done through covered conveyor belts. Fly-ash is transported in closed bulkers.</p>
 <p>Fly Ash Silo</p>		
 <p>Clinker Silo</p>		
 <p>Covered Conveyor Belts</p>		
 <p>Flow of cement through closed air slide</p>		
 <p>Gypsum Storage Shed</p>		
 <p>Fly ash Bulker</p>		
X.	<p><b>Provide wind shelter fence and chemical spraying on the raw material stock piles; and</b></p>	<p>Wind shelter fence is developed all around the plant premises. Green belt developed around the plant premises, all raw material stored in silo and yards covered shed.</p>
 <p>Wind Shelter Fence</p>		
 <p>Wind shelter fence</p>		
xi.	<p><b>Have separate truck parking area and monitor vehicular emissions at regular interval.</b></p>	<p>We have developed separate truck parking yard. vehicular emissions are being monitored at regular intervals. We have also organized PUC checking camp at the site.</p>





Vehicle Number WB57E8068  
 Owner Name \*U\*T\*N\* \*E\*H\*  
 Registering Authority MURSHIDABAD RTO, West Bengal  
 Vehicle Class Goods Carrier(HGV)  
 Fuel Type DIESEL  
 Emission Norm BHARAT STAGE VI  
 Vehicle Age 1 Years & 2 months  
 Vehicle Status ACTIVE

Tap to Check the Vehicle Impound and Seizure Document Status

Registration Date 01-Sep-2022  
 Fitness Valid UpTo 30-Aug-2024  
 Tax Valid UpTo 24-Nov-2023  
 Insurance Valid UpTo 21-Aug-2024  
 PUCC Valid UpTo 28-Aug-2024  
 Permit Valid UpTo 04-Sep-2027

Vehicle Number WB57E4886  
 Owner Name \* \* \*O\*I\*T\*C\*  
 Registering Authority MURSHIDABAD RTO, West Bengal  
 Vehicle Class Goods Carrier(HGV)  
 Fuel Type DIESEL  
 Emission Norm BHARAT STAGE VI  
 Vehicle Age 2 Years & 6 months  
 Vehicle Status ACTIVE

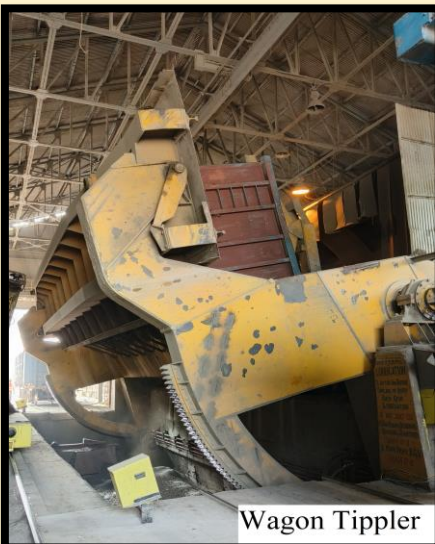
Tap to Check the Vehicle Impound and Seizure Document Status

Registration Date 23-Apr-2021  
 Fitness Valid UpTo 22-Apr-2025  
 Tax Valid UpTo 22-Oct-2024  
 Insurance Valid UpTo 16-Apr-2024  
 PUCC Valid UpTo 10-Jan-2024  
 Permit Valid UpTo 09-May-2026

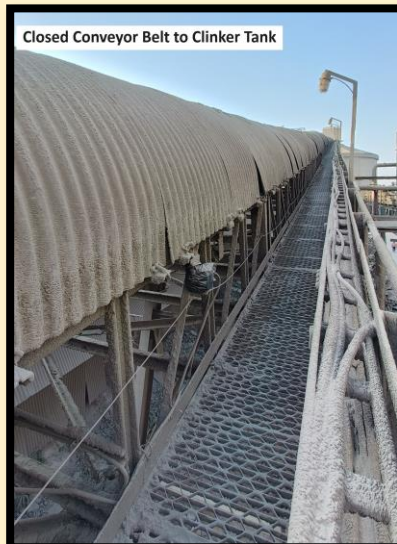
Sample copy of PUC Online Certificate

xii. **Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts / railways as a mode of transport.**

Raw material and end product are transported by Railway wagons and unloaded through wagon tippler and transferred to the Silo and shed through closed conveyer belt. Dry Fly-ash is transported in closed bulkers into the Silos.



Wagon Tippler



Closed Conveyor Belt to Clinker Tank



Fly ash Bulker



xiii	<b>Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.</b>	Adequate ventilation system has been provided in Tunnels, Cement Mill, Raw material feeding section and Packing Plant.
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**Ventilation fans installed at various places in plant**

<b>III. Water quality monitoring and preservation</b>		
i.	<p><b>The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R.No.612(E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)</b></p>	<p>The grinding unit is a dry grinding process only and no effluent water generated. Water is required for cooling purpose. The water from the cooling plant is recycled in the process. “Zero” effluent discharge is strictly adopted by the unit.</p>
ii.	<p><b>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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.</b></p>	<p>We monitor ground water quality every month through Indicative Consultant India, a NABL accredited lab. Pre-monsoon ground water monitoring results of month May 2023 are below and the post monsoon ground water monitoring results of month November 2023 will be shared with next six-month EC compliance, period from October 2023 to March 2024.</p>

### PRE-MONSOON GROUND WATER MONITORING DATA – MAY 2023

SL. No.	Parameters	Units	Limit	Results
<b>ORGANOLEPTIC AND PHYSICAL PARAMETERS</b>				
1.	Appearance	-	-	Clear
2.	Order	-	Agreeable	Agreeable
3.	pH (at 28°)	-	6.5 to 8.5	7.34
4.	Colour	Hazen unit	5	<5.0
5.	Conductivity	μS/cm	-	798.2
6.	Turbidity	N.T.U	1	<1.0
7.	TDS	mg/L	500	412.0
<b>GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS</b>				
8.	Total Hardness as CaCO <sub>3</sub>	mg/L	200	290.7
9.	Ca Hardness as CaCO <sub>3</sub>	mg/L	-	170.4
10.	MG Hardness as CaCO <sub>3</sub>	mg/L	-	120.3
11.	Calcium as Ca	mg/L	75	68.3
12.	Magnesium as Mg	mg/L	30	29.2
13.	Chloride as Cl	mg/L	250	66.5
14.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	200	275.0
15.	P-Alkalinity as CaCO <sub>3</sub>	mg/L	-	Nil
16.	M-Alkalinity as CaCO <sub>3</sub>	mg/L	-	275.0
17.	Iron as Fe	mg/L	0.30	0.21
18.	Sulfate as SO <sub>4</sub>	mg/L	200	15.5
19.	Phosphate as P	mg/L	-	<0.02
20.	Silica as SiO <sub>2</sub>	mg/L	-	37.8
21.	Fluoride as F	mg/L	1	<0.04
22.	Manganese as Mn	mg/L	1	<0.1
<b>PARAMETERS CONCERNING TOXIC SUBSTANCES</b>				
23.	Arsenic as As	mg/L	0.01	<0.01
<b>BACTERIOLOGICAL PARAMETERS</b>				
24.	Total Coliform	MPN/100 ml	1.8	BLQ
<b>*LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml).</b>				

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**

The last monthly summary of manual ground water monitoring report was submitted for the period October 2022 to March 2023 vide letter no. UTCL/SBCW/23-24/0300 dated 24.05.2023. Herewith we are submitting monthly summary report along with six-month report for the period of April 2023 to September 2023.

MONTHLY SUMMARY REPORTS OF MANUAL GROUND WATER									
SL. No.	Parameters	Units	Limit	Results					
				Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
ORGANOLEPTIC AND PHYSICAL PARAMETERS									
1.	Appearance	-	-	Clear	Clear	Clear	Clear	Clear	Clear
2.	Order	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH (at 28° C)	-	6.5 to 8.5	7.62	7.34	7.63	7.26	7.38	7.51
4.	Colour	Hazen unit	5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
5.	Conductivity	µS/cm	-	520.5	798.2	499.4	220.6	614.8	216.9
6.	Turbidity	N.T.U	1	<0.1	<1.0	<1.0	<0.1	<0.1	<0.1
7.	TDS	mg/L	500	430.0	412.0	390.0	160.0	312.0	138.0
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS									
8.	Total Hardness as CaCO <sub>3</sub>	mg/L	200	280.7	290.7	248.0	106.3	235.5	101.2
9.	Ca Hardness as CaCO <sub>3</sub>	mg/L	-	175.4	170.4	101.2	70.9	145.3	55.7
10.	MG Hardness as CaCO <sub>3</sub>	mg/L	-	105.3	120.3	146.8	35.4	90.2	25.5
11.	Calcium as Ca	mg/L	75	70.3	68.3	40.6	28.4	58.2	22.3
12.	Magnesium as Mg	mg/L	30	25.6	29.2	35.7	8.6	21.9	11.1
13.	Chloride as Cl	mg/L	250	55.4	66.5	35.9	30.9	14.5	23.6
14.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	200	275.0	275.0	260.0	65.9	230.0	60.0
15.	P-Alkalinity as CaCO <sub>3</sub>	mg/L	-	Nil	Nil	Nil	Nil	Nil	Nil
16.	M-Alkalinity as CaCO <sub>3</sub>	mg/L	-	275.0	275.0	260.0	65.9	230.0	60.0
17.	Iron as Fe	mg/L	0.30	0.23	0.21	0.24	0.14	0.21	0.15
18.	Sulfate as SO <sub>4</sub>	mg/L	200	12.5	15.5	13.0	15.5	21.5	15.0
19.	Phosphate as P	mg/L	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
20.	Silica as SiO <sub>2</sub>	mg/L	-	32.5	37.8	26.0	6.4	14.8	5.6
21.	Fluoride as F	mg/L	1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
22.	Manganese as Mn	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PARAMETERS CONCERNING TOXIC SUBSTANCES									
23.	Arsenic as As	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BACTERIOLOGICAL PARAMETERS									
24.	Total Coliform	MPN/100 ml	1.8	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
*LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml).									

iv.	<b>Adhere to 'Zero Liquid Discharge'.</b>	Achieved, the cement grinding unit is based on dry grinding process only and Water is not required in the process except for cooling of mill gear box. The water from the cooling plant is recycled in the process.
v.	<b>Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.</b>	One STP of capacity 60 KLD has been installed. All the domestic water is treated through STP. STP inlet and Outlet water are being analyzed every month through Indicative Consultant India, NABL accredited lab. The report from month April 2023 to September 2023 are below



SIX-MONTH REPORTS OF STP INLET AND OUTLET WATER ANALYSIS REPORT									
SL. No.	Parameters	Units	Limit	Results					
				Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
STP Inlet Water									
1.	pH (at 25° C)	-	-	7.41	7.16	7.52	7.49	7.36	7.75
2.	TSS	mg/L	-	69.0	46.0	52.0	69.0	61.0	61.0
3.	COD	mg/L	-	114.2	76.9	88.5	90.9	90.1	91.8
4.	BOD (for 3days at 27° C)	mg/L	-	22.0	19.0	22.0	21.0	27.0	21.0
5.	Oil and Grease	mg/L	-	5.2	4.4	5.1	4.9	5.8	5.5
STP Outlet Water									
6.	pH (at 25° C)	-	5.5 to 9.0	7.25	7.23	7.65	7.12	7.30	6.86
7.	TSS	mg/L	100	37.0	29.0	31.0	37.0	34.0	38.0
8.	COD	mg/L	250	66.0	28.8	44.2	45.5	45.0	51.0
9.	BOD (for 3days at 27° C)	mg/L	30	14.0	7.91	10.0	10.0	11.0	11.0
10.	Oil and Grease	mg/L	10	2.9	2.8	2.6	2.2	2.3	2.8

SIX-MONTH SUMMARY REPORTS						
SL. No.	Parameters	Units	Limit	Max	Min	Avg
<b>STP Inlet Water</b>						
1.	pH (at 25° C)	-	-	7.75	7.16	7.45
2.	TSS	mg/L	-	69.00	46.00	59.67
3.	COD	mg/L	-	114.20	76.90	92.07
4.	BOD (for 3days at 27° C)	mg/L	-	27.00	19.00	22.00
5.	Oil and Grease	mg/L	-	5.80	4.40	5.15
<b>STP Outlet Water</b>						
6.	pH (at 25° C)	-	5.5 to 9.0	7.65	6.86	7.24
7.	TSS	mg/L	100	38.00	29.00	34.33
8.	COD	mg/L	250	66.00	28.80	46.75
9.	BOD (for 3days at 27° C)	mg/L	30	14.00	7.91	10.65
10.	Oil and Grease	mg/L	10	2.90	2.20	2.60



STP  
CAPACITY  
60KLD

vi.	<b>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.</b>	Most raw materials are kept under the shed and silo. So, there is no surface water pollution during heavy rain.
vii.	<b>The project proponent shall practice rainwater harvesting to maximum possible extent.</b>	We have developed Three Rain Water Harvesting Ponds of total capacity 20568 cum/annum, used for Green belt development, Cooling, Spraying.



**Capacity 9548 cum/annum**



**Capacity 6450 cum/annum**



**Capacity 4570 cum/annum**

viii	<p><b>Water meters shall be provided at the inlet to all unit processes in the cement plant.</b></p>	<p>Flow meters was installed at three ground water withdrawal location and at two location for measuring consumption is at below location for both industrial and domestic purpose.</p> <table border="1"> <thead> <tr> <th>Flow Meter No.</th><th>Flow Meter Purpose</th><th>Location</th></tr> </thead> <tbody> <tr> <td>FM_1</td><td>Withdrawal</td><td>Near Gypsum Shed</td></tr> <tr> <td>FM_2</td><td>Withdrawal</td><td>Near LC 1</td></tr> <tr> <td>FM_3</td><td>Consumption</td><td>Colony</td></tr> <tr> <td>FM_4</td><td>Consumption</td><td>Cooling Tower</td></tr> <tr> <td>FM_5</td><td>Consumption</td><td>STP Outlet</td></tr> </tbody> </table>	Flow Meter No.	Flow Meter Purpose	Location	FM_1	Withdrawal	Near Gypsum Shed	FM_2	Withdrawal	Near LC 1	FM_3	Consumption	Colony	FM_4	Consumption	Cooling Tower	FM_5	Consumption	STP Outlet
Flow Meter No.	Flow Meter Purpose	Location																		
FM_1	Withdrawal	Near Gypsum Shed																		
FM_2	Withdrawal	Near LC 1																		
FM_3	Consumption	Colony																		
FM_4	Consumption	Cooling Tower																		
FM_5	Consumption	STP Outlet																		



**SAMPLE WATER FLOW METER INSTALLED AT BOREWELL**

ix.	<p><b>The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.</b></p>	<p>All the treated water and harvested water is utilized for horticulture, dust suppression, firefighting, civil construction etc.</p>
IV.	<p><b>Noise monitoring and prevention</b></p>	
i.	<p><b>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/SEIAA/SPCB as a part of six-monthly compliance report.</b></p>	<p>Noise level Survey is being carried out at plant premises by Pioneer Safety Industries and summited to Regional Officer of the Ministry/SEIAA/SPCB. Survey report of month July 2023 is below</p>

## NOISE LEVEL SURVEY REPORT

Sl. No.	Location	No. of Sample	Range in dB(A) from 3m distance	Avg. in dB(A)	TWA Contaminates as given in Schedule-II	No. of workman exposed at the location being monitored		Remarks
						Continuous Exposure	Short Time Exposure	
1	Workshop Area	4	72.1	72.3	Exposure time is to be as per Noise vs Staying time	3	5	Below PEL
			73.4					
			79.2					
			64.3					
2	Store	4	74.5	74.5	Exposure time is to be as per Noise vs Staying time	4	10	Below PEL
			76.1					
			73.8					
			72.7					
3	Cement Mill 0 Meter	4	72.1	72.0	Exposure time is to be as per Noise vs Staying time	1	3	Below PEL
			73.4					
			71.7					
			70.6					
4	Cement Mill 17 Meter	4	55.2	60.8	Exposure time is to be as per Noise vs Staying time	1	2	Below PEL
			60.3					
			65.4					
			62.1					
5	Cement Mill 30 Meter	4	89.9	89.7	Exposure time is to be as per Noise vs Staying time	1	2	Below PEL
			87.8					
			95.4					
			85.6					
6	Compressor Room	4	86.4	85.0	Exposure time is to be as per Noise vs Staying time	0	1	Below PEL
			84.3					
			86.3					
			83.1					
7	Wagon Tippler Area	4	85.5	84.5	Exposure time is to be as per Noise vs Staying time	8	6	Below PEL
			84.2					
			83.6					
			84.5					
8	Loco Shed	4	68.5	66.9	Exposure time is to be as per Noise vs Staying time	2	4	Below PEL
			65.2					
			71.3					
			62.4					
9	Weigh Feeder Belt Area	4	76.2	75.2	Exposure time is to be as per Noise vs Staying time	2	3	Below PEL
			78.6					
			75.9					
			70.2					
10	Feed Building Top Floor	4	69.3	66.4	Exposure time is to be as per Noise vs Staying time	2	3	Below PEL
			68.9					
			65.4					



			62.1					
11	Packer Floor	4	71.2	71.3	Exposure time is to be as per Noise vs Staying time	10	4	Below PEL
			68.3					
			73.4					
			72.4					
12	FCG Floor	4	69.3	66.4	Exposure time is to be as per Noise vs Staying time	2	3	Below PEL
			68.9					
			65.4					
			62.1					

\* **TWA - Time-Weighted Average**

\* **PEL - Permissible Exposure Limits**

\* **OSHA's PEL for noise exposure is 90 decibels (dBA) for an 8-hour TWA.**



#### NOISE LEVEL SURVEY AT PLANT PREMISES

ii.	<p><b>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.</b></p>	<p>The ambient noise levels conform to the standards prescribed. The Noise level monitoring is being carried out every month through Indicative Consultant India, a NABL accredited lab. Reports is attached as reference. The data of noise monitoring from month April 2023 to September 2023 are below</p>
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SIX-MONTH DATA OF AMBIENT NOISE MONITORING									
Months	Parameter (Leq) dB(A)	Near Dhalo Village		Aradanga Village (Near Main Gate)		Near Dakshinpara Village		Buffer End Area	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Apr23	Min	57.7	53.6	58.4	53.6	56.2	53.6	60.5	56.1
	Max	61.2	58.14	63.1	58.1	60.5	57.4	64.3	60.9
	Equ.	59.72	56.20	60.61	56.20	58.66	55.64	56.74	58.96
May23	Min	59.4	56.4	56.1	56.3	56.0	54.1	58.4	55.2
	Max	63.1	59.5	63.5	59.8	59.7	57.3	62.7	59.7
	Equ.	61.63	58.11	61.21	58.17	57.98	56.09	60.52	57.93
Jun23	Min	59.8	57.3	56.9	55.8	54.9	53.9	58.3	54.3
	Max	63.1	59.9	61.4	58.8	59.3	57.8	62.1	58.1
	Equ.	61.63	58.67	59.17	57.20	57.56	55.71	60.34	56.21
Jul23	Min	58.2	54.8	57.1	54.2	57.2	57.4	55.8	57.3
	Max	61.0	57.2	59.1	56.4	59.1	60.4	58.2	60.4
	Equ.	59.72	56.13	58.98	55.61	58.14	59.07	57.21	59.08
Aug23	Min	57.2	56.4	55.7	55.1	56.4	55.9	58.2	55.3
	Max	62.7	59.7	61.7	59.7	61.3	58.7	62.5	59.7
	Equ.	60.44	58.13	59.19	57.71	58.71	57.48	61.40	58.04
Sep23	Min	59.1	55.2	56.1	55.4	57.2	54.1	58.3	54.6
	Max	63.6	58.9	60.4	58.4	61.7	58.9	62.7	58.9
	Equ.	61.60	57.11	58.72	57.14	59.84	56.82	60.66	56.76
SIX-MONTH SUMMARY OF NOISE MONITORING									
Months	Parameter (Leq) dB(A)	Near Dhalo Village		Aradanga Village (Near Main Gate)		Near Dakshinpara Village		Buffer End Area	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Apr-23 to Sep-23	Min	57.2	53.6	55.7	53.6	54.9	53.6	55.8	54.3
	Max	63.6	59.9	63.5	59.8	61.7	60.4	64.3	60.9
	Avg.	60.79	57.39	59.65	57.01	58.48	56.80	59.48	57.83
* as per The Noise Pollution (Regulation & Control) Rules 2000, L <sub>eq</sub> not to exceed 75 dB(A) at day time and 70 dB(A) at night time									

## V. Energy Conservation measures

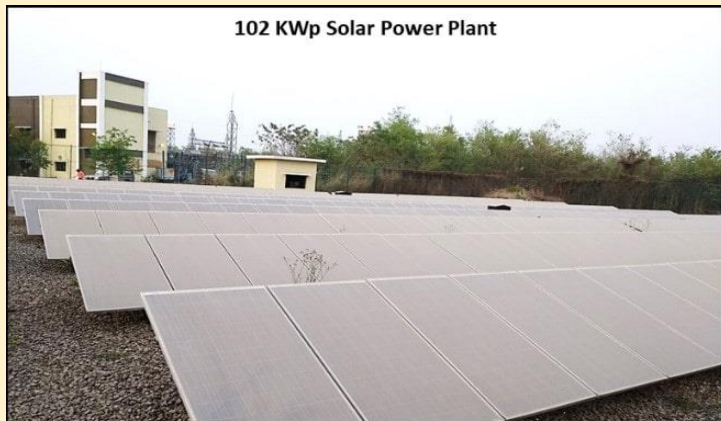
i.

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.

The Project Proponent has established two Solar Power generating station having capacity 102 kWp and 1.4 MWp. Data of generation of electricity during April 2023 to September 2023 are below

Sl. No.	Month	Unit Generation in kWh
1	Apr 23	148020
2	May 23	177570
3	Jun 23	164000
4	Jul 23	179199
5	Aug 23	144030
6	Sep 23	133610
Total Generation		946429

102 KWp Solar Power Plant



1.4 MWp Solar Power Plant



ii.

**Provide the project proponent for LED lights in their offices and residential areas.**

Noted. LED lights are being used in offices and residential areas.



LED LIGHTS INSTALLED MAXIMUM AREA

iii.

**Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.**

Fly ash and Slag is being utilized in the process of Cement manufacturing. From April 2023 to September 2023 and maximum utilization is being done as per BIS standards. Utilization report are below

Month	Consumption of Fly Ash in MT	% of Consumption in PPC	% of Consumption in PCC
Apr23	67811.48	34.17	22.00
May23	69270.70	34.44	22.00
Jun23	70859.35	34.95	22.00
Jul23	73447.90	35.00	22.00
Aug23	66380.62	35.00	25.17
Sep23	71547.72	35.00	26.29

Month	Consumption of Slag in MT	% of Consumption in PPC	% of Consumption in PCC
Apr23	11783.88	-	28.19
May23	3848.80	-	28.00
Jun23	3566.90	-	27.75
Jul23	7167.20	-	28.00
Aug23	18485.10	-	24.65
Sep23	7406.40	-	22.49

*\*As per BSI Standards, percentage of Fly Ash should be between 15 to 35 in Portland Pozzolana Cement (PPC) and Portland Composite Cement (PCC) and percentage of Slag should be 20 to 50 in Portland Composite Cement (PCC). Slag can't be use Portland Pozzolana Cement (PPC) manufacturing process.*



VI. Waste management	
i.	<p>The waste oil, grease and other hazardous shall be disposed of as per the Hazardous &amp; Other waste (Management &amp; Transboundary Movement) Rules, 2016.</p> <p>The waste oil, Wastes or residues containing oil and other hazardous waste is collected &amp; stored in earmarked location and sold to authorized vendor. Total 0.200 MT waste oil are recycled and 0.200 MT Cotton Wastes containing oil are disposed on August 2023 through West Bengal Waste Management Limited having valid authorization from West Bengal State Pollution Control Board.</p>

Category	Waste Stream	Unit	Quantity in stock at the beginning of the year	Total quantity of waste generated	Quantity dispatched to disposal facility	Quantity dispatched to recycler	Quantity in storage at the end of the year
Used or spent oil	5.1	Metric Ton	0 MetricTon	0.200 Metric Ton	0 MetricTon	0.200 Metric Ton	0 MetricTon
Wastes or residues containing oil	5.2	Metric Ton	0 MetricTon	0.200 Metric Ton	0.200 Metric Ton	0 MetricTon	0 MetricTon
Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	Metric Ton	0 MetricTon	0 MetricTon	0 MetricTon	0 MetricTon	0 MetricTon

FROM 10 6th Copy

**WEST BENGAL WASTE MANAGEMENT LIMITED**  
 Vill. : Pabayan, P. S. : Sattara, Dist. : Bankura, Pin : 722 156, West Bengal.  
**MANIFEST FOR HAZARDOUS AND OTHER WASTE**

1	Sender's name and mailing address (including Phone No. and e-mail):	MS-UM-Track Control Limited (cont. - Jyoti Singh (cont. - Jyoti Singh)
2	Sender's authorization No.:	MS-UM-Track Control Limited (cont. - Jyoti Singh)
3	Manifest Document No.:	1 699/2023 (MVA) - 2023/100
4	Transporter's name and address (including Phone No. and e-mail):	West Bengal Waste Management Limited Vill. : Pabayan, P. S. : Sattara, Dist. : Bankura, Pin : 722 156 Mobile : 9002983363/747796110 E-mail : wbmml.sattara@resustainability.com
5	Type of vehicle:	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.:	1-MD(E)X06
7	Vehicle registration No.:	
8	Receiver's name and mailing address (including Phone No. and e-mail):	West Bengal Waste Management Limited Vill. : Pabayan, P. S. : Sattara, Dist. : Bankura, Pin : 722 156 Mobile : 9002983363/747796110 E-mail : wbmml.sattara@resustainability.com
9	Receiver's authorization No.:	
10	Waste description:	34/25 (MVA) - 4531/2023 (MVA) - 2023/100
11	Total quantity No of Containers:	0.200 m3 or MT Nos.
12	Physical form:	(Solid/Semi-Solid/Sludge/Oily/Tarry/Sticky/Liquid)
13	Special handling instructions and additional information:	SOP as per Hazardous Waste Management
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.
15	Name and Stamp	Signature Day Month Year
16	Receiver's certificate for receipt of hazardous and other wastes:	Signature Day Month Year

1. White Colour forwarded to WPCB by H&W Sender.  
 2. Pink Colour retained by H&W Receiver.  
 3. Green Colour forwarded to WPCB after disposal by H&W Receiver.  
 4. Blue Colour returned to sender after disposal by H&W Receiver.  
 5. Grey Colour returned to SPCB of the H&W Sender (in case the Sender is in another Site) by H&W Receiver.

FROM 10 6th Copy

**WEST BENGAL WASTE MANAGEMENT LIMITED**  
 Vill. : Pabayan, P. S. : Sattara, Dist. : Bankura, Pin : 722 156, West Bengal.  
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4	Transporter's name and address (including Phone No. and e-mail):	West Bengal Waste Management Limited Vill. : Pabayan, P. S. : Sattara, Dist. : Bankura, Pin : 722 156 Mobile : 9002983363/747796110 E-mail : wbmml.sattara@resustainability.com
5	Type of vehicle:	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.:	1-MD(E)X06
7	Vehicle registration No.:	
8	Receiver's name and mailing address (including Phone No. and e-mail):	West Bengal Waste Management Limited Vill. : Pabayan, P. S. : Sattara, Dist. : Bankura, Pin : 722 156 Mobile : 9002983363/747796110 E-mail : wbmml.sattara@resustainability.com
9	Receiver's authorization No.:	
10	Waste description:	34/25 (MVA) - 4531/2023 (MVA) - 2023/100
11	Total quantity No of Containers:	0.200 m3 or MT Nos.
12	Physical form:	(Solid/Semi-Solid/Sludge/Oily/Tarry/Sticky/Liquid)
13	Special handling instructions and additional information:	SOP as per Hazardous Waste Management
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.
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 5. Grey Colour returned to SPCB of the H&W Sender (in case the Sender is in another Site) by H&W Receiver.

Manifest of month August 2023

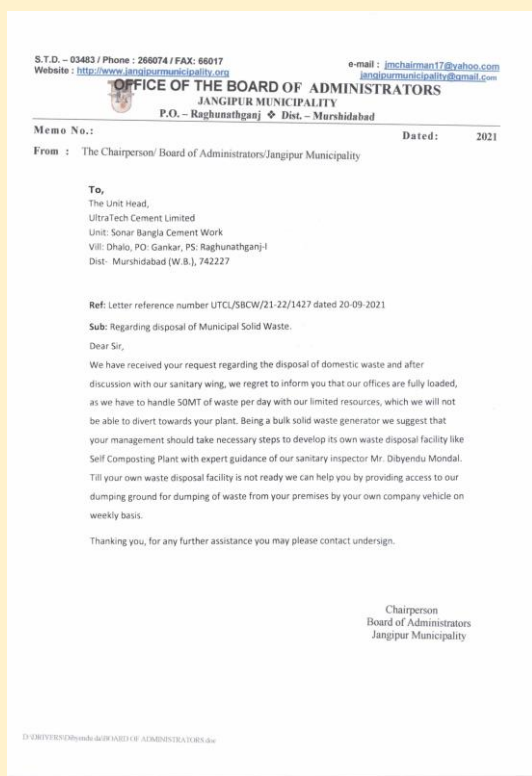


**Waste Oil Storage Room**

ii.

**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)**

Very Small amount of kitchen waste is generated from the colony premises which is being send to Jangipur Municipal. The letter copy is being attached below for reference.



**The authorization copy for disposal of kitchen waste to Jangipur Municipal**

## 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.**

Out of the total plant area i.e. 64.17 ha, approx. 21.19 ha i.e. 33% area has already been covered under greenbelt / plantation. The development of greenbelt is being done / would be undertaken as per the CPCB Guidelines in consultation with DFO. From April 2023 to September 2023 total 550 nos. saplings planted.





ii.

**The proponent should plant and maintain at least 103580 nos. trees. List of tree species for plantation as per plantation plan approved by Divisional Forest Officer, Nadia-Murshidabad Division is given as Annexure-2. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.**

Noted and total 104552 nos. sapling has been planted till September 2023 and mostly native species with heavy foliage, broad leaves and wide canopy cover are planted. Water intensive and/or invasive species are not used for landscaping, only approved species as per plantation plan approved by Divisional Forest Officer, Nadia-Murshidabad Division are being planted. A certificate by DFO for achieved 33% green belt is attached below from April 2023 to September 2023 total 550 nos. saplings planted in our plant and colony premises.

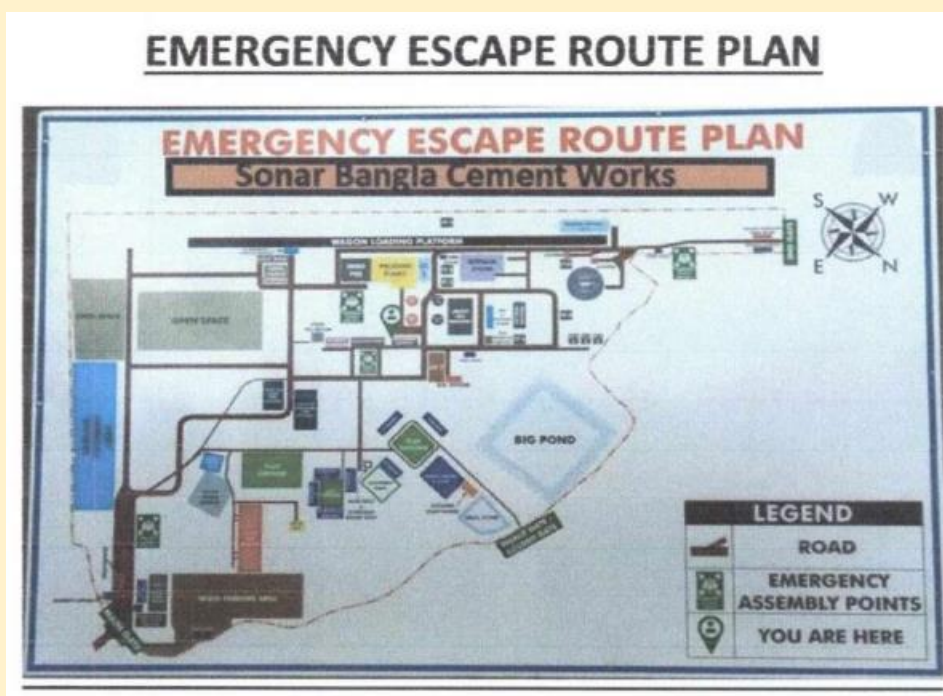
Month	Total Plantation in nos.
Apr 23	50
May 23	80
Jun 23	120
Jul 23	150
Aug 23	100
Sep 23	50
<b>Total</b>	<b>550</b>





**A certificate by DFO for achieved 33% green belt**

iii.	<b>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.</b>	This is only a cement grinding unit where no GHG emission take place due to any process activity.
VIII	<b>Public hearing and Human health issues</b>	
i.	<b>Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.</b>	Emergency Preparedness Plan has implemented on basis of HIRA and Disaster Management Plan has implemented.



ii.	<p><b>The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.</b></p>	<p>Personal protective equipment (PPE) are provided to every level of workers as and when required.</p>
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**PPE Provided to all types of Workers**

iii.	<p><b>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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</b></p>	<p>Noted and well-developed Labour hutment colony with necessary infrastructure and facility was provided to Labour such as LPG, toilet, STP, pure drinking water, medical facility etc. In every month drinking water from colony/labour housing/Plant premises/canteen is being analyzed to check purity. The reports are below for reference.</p>
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**SIX-MONTH SUMMARY OF DRINKING WATER ANALYSIS REPORT**

SL. No.	Parameters	Units	Limit	Results					
				Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
ORGANOLEPTIC AND PHYSICAL PARAMETERS									
Location				CCR Building	Wagon Tippler	Feed Building	HR Building	Industrial Canteen	Near Workshop
1.	Appearance	-		Clear	Clear	Clear	Clear	Clear	Clear
2.	Order	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH (at 28° C)	-	6.5 to 8.5	7.96	7.72	7.47	7.62	7.80	7.16
4.	Colour	Hazen unit	5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
5.	Conductivity	µS/cm	-	498.1	531.0	469.9	189.6	399.2	765.8
6.	Turbidity	N.T.U	1.0	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1
7.	TDS	mg/L	500	392.0	790.0	340.0	154.0	250.0	368.0
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS									
8.	Total Hardness as CaCO <sub>3</sub>	mg/L	200	260.6	240.0	253.0	101.2	177.2	245.6
9.	Ca Hardness as CaCO <sub>3</sub>	mg/L	-	155.4	140.0	136.7	55.7	96.2	140.3
10.	MG Hardness as CaCO <sub>3</sub>	mg/L	-	105.2	100.3	116.3	45.5	81.0	105.3
11.	Calcium as Ca	mg/L	75	62.3	56.2	54.8	22.3	38.6	56.2
12.	Magnesium as Mg	mg/L	30	25.6	24.4	28.3	11.1	20.0	25.6
13.	Chloride as Cl	mg/L	250	57.9	270.8	33.5	21.4	28.3	23.3
14.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	200	265.0	280.0	250.0	60.0	175.0	280.0
15.	P-Alkalinity as CaCO <sub>3</sub>	mg/L	-	Nil	Nil	Nil	Nil	Nil	Nil
16.	M-Alkalinity as CaCO <sub>3</sub>	mg/L	-	265.0	280.0	250.0	60.0	175.0	280.0
17.	Iron as Fe	mg/L	0.30	0.21	0.24	0.21	0.14	0.18	0.23
18.	Sulfate as SO <sub>4</sub>	mg/L	200	12.5	30.0	12.0	22.5	12.0	22.5
19.	Phosphate as P	mg/L	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
20.	Silica as SiO <sub>2</sub>	mg/L	-	33.8	29.8	18.9	5.5	17.4	15.6
21.	Fluoride as F	mg/L	1.0	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
22.	Manganese as Mn	mg/L	1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PARAMETERS CONCERNING TOXIC SUBSTANCES									
23.	Arsenic as As	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BACTERIOLOGICAL PARAMETERS									
24.	Total Coliform	MPN/100 ml	1.8	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
*LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml).									



**Labour Colony with necessary infrastructure and facility**



iv.	<p><b>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</b></p>	<p>There are 63 permanent employees and 577 contractual employees, total 640 employees working on this plant and health check-up was being done every six-month interval and eye check-up ones in a year. A full-time residential Doctor has been appointed for surveillance of the health of workers and to attend to medical emergencies.</p> <p>As per record, 99.7% fit employees working with this project and 0.3% employees found unfit and refer theme outside for better treatment.</p>
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IX. Environment Management Plan (EMP)		
i.	<p><b>The project proponent should submit the proposed EMP on a six months basis. The Office Memorandum issued by the MoEF &amp; CC vide F. No. 22-65/2017-1A.111 dated 30.09.2020 should be strictly followed.</b></p>	<p>EMP submitted along with EIA report. The Six Months Compliance Reports along with monitored data, statistical interpretation and Environmental Management plan, is prepared and submitting to Regional Office of MoEF&amp;CC, CPCB and WBPCB</p> <p>The last report was submitted for the period October 2022 to March 2023 vide letter no. UTCL/SBCW/23-24/0300 dated 24.05.2023.</p>



ii.

**Need based activities for local people is part of the EMP. Details of such activities submitted by the Project Proponent is given in Annexure-3.**

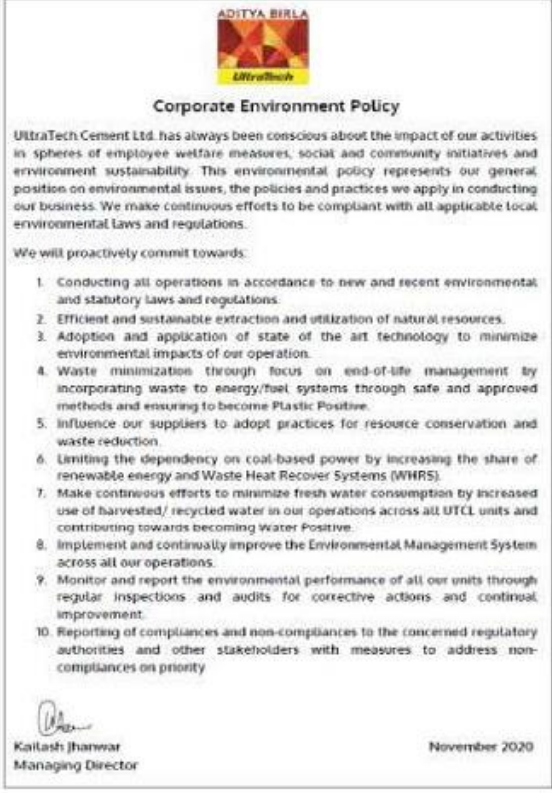
Various need-based CSR activities are done by Sonar Bangla Cement Works in the nearby villages as per commitment.

CSR Activity between April 2023 to September 2023:

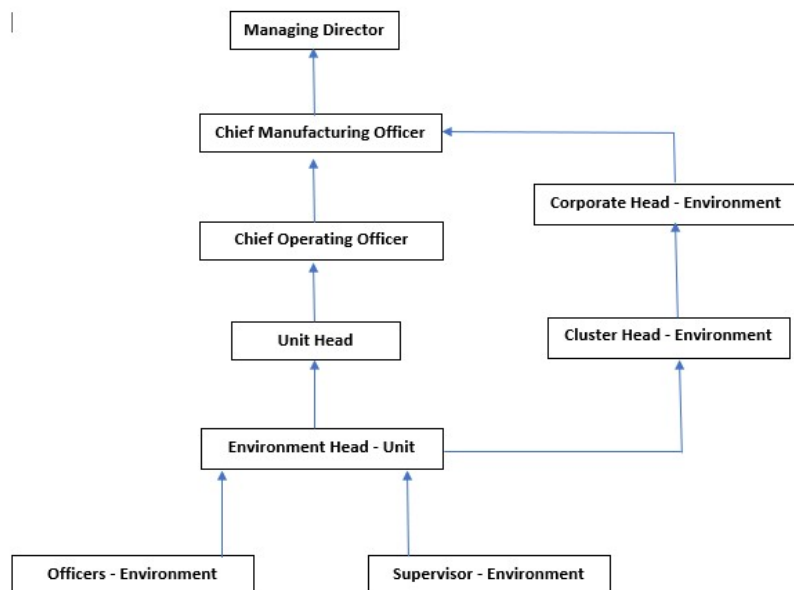
- \* Illumination of village road of Dakshin Para with solar power
- \* Donation for organizing Blood Donation Camp to Basanti Tala Committee.
- \* Donation for organizing world's 77th largest open swimming competition to Murshidabad Swimming Association.
- \* Donation of flood light at Naoda Graveyard.
- \* Organized Football Tournament at various place.
- \* Organized an Eye checkup camp in Dhalo.
- \* Dry food distribution to nearby villagers.

Total 5.67 lacs spent on CSR activity between April 2023 to September 2023.



iii.	<p>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 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 / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&amp;CC/SEIAA/SPCB as a part of six-monthly report.</p>	<p>Noted and our Corporate Environment policy lays out our commitment to measure and reduce the environmental impact of our operations. Our Environment strategy focuses on four key areas:</p> <p>Climate change (Carbon emissions), Energy Management, Water management, Circular economy (Waste/Resource Management) and Biodiversity Management. Copy of Environment Policy duly approved by the management is attached below.</p>
		
iv	<p>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 report to the head of the organization.</p>	<p>We have Separate environment cell both at Corporate and Unit level with qualified personnel, who directly reports to the head of the organization. The environment reviews are being done regularly to monitor and improve the environmental performance</p>





## STRUCTURE OF EMC

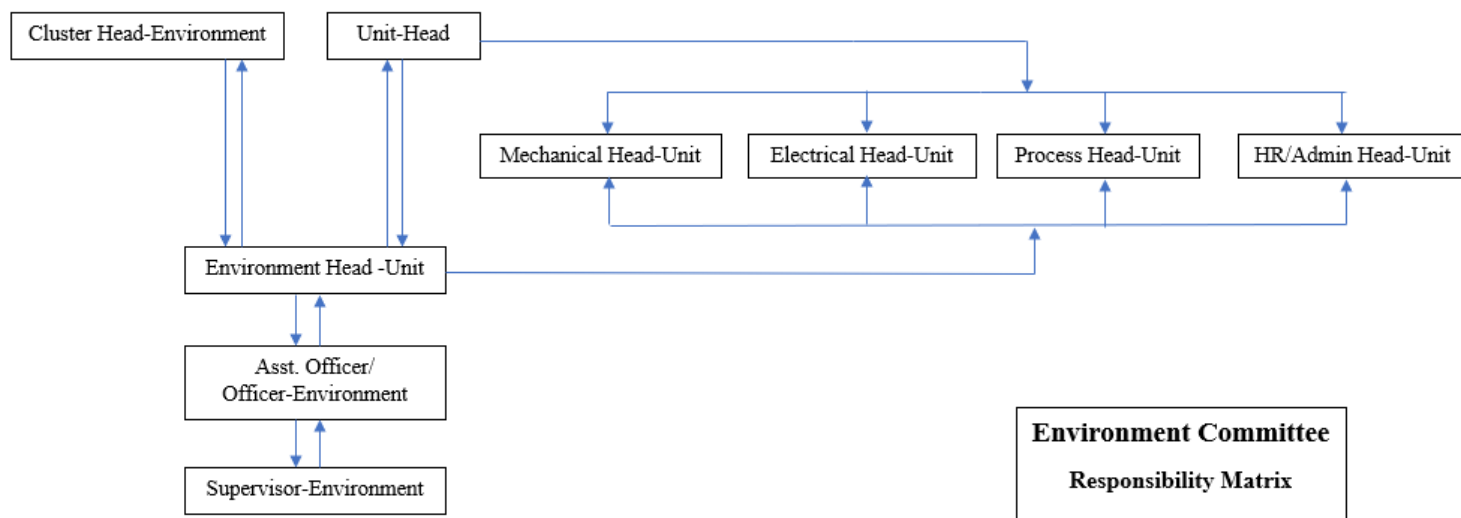
v.

**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/SEIAA/SPCB along with the Six-Monthly Compliance Report.**

Duly Approved Environment committee with defined responsibility matrix is functioning at the unit for implementing the EMP and environmental conditions. The year wise funds earmarked for environmental protection measures are kept under separate head and used as per prepared action plan are below. The funds earmarked for environmental protection measures from April 2023 to September 2023 is 42.6 lacs and the details is as under

Sl. No.	Activity	Expenses (In Lacs)
1	Maintenance cost of bag filters including labour cost	11.27
2	Maintenance cost of TPS, Road Sweeping Machines	10.22
3	STP maintenance cost	3.61
4	Water meter maintenance cost	0.54
5	Purchase cost of bag filters	6.48
6	Energy consumption cost for pollution control equipment	6.03
7	Hazardous waste disposal	0.53
8	Environment Monitoring expenses	3.92
	<b>Total</b>	<b>42.6</b>

Environment Implementation Action Plan		
Sl. No.	Theme	Action Plan
1	Green belt Development	Tree Plantation around the plant premises
		Beautification of Employee Housing complex
		Horticulture Development
2	Energy utilization	Renewal energy utilization
		LED light installation around the plant
3	Water Consumption	Water Consumption Reduce
		Recycle of Water
4	Waste Management	Reduce use of Plastics
		Fly ash and Slag Utilization



vi.	<b>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</b>	Third party environmental audit will be conducted on December 2023 and Self-Environment audit is conducted annually as per the corporate guidelines and the recommendations are judiciously complied by the management in consultation with the Environment Committee.
vii.	<b>All the recommendations made the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.</b>	As this is only a grinding unit as per Corporate Responsibility of Environmental Protection (CREP), the conditions 1, 6, 8, 10, are compiled and 2, 3, 4, 5, 7, 9, 11 and 12 are not applicable for this project.


**COMPLIANCE OF CREP RECOMMENDATIONS**

Sl. No.	Recommendation	Compliance Status
1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards; Augmentation of existing Air Pollution Control Devices - by July 2003. Replacement of existing Air Pollution Control Devices - by July 2004	Unit commissioned on 29th March, 2013 and complying with new emission norms issued by MoEFCC Gazette Notification dated 25.08.2014.
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/ Nm <sup>3</sup> limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm <sup>3</sup> .	Not applicable, as the proposed expansion of clinker grinding unit will be carried out in the existing premises of clinker grinding unit situated near Village: Dhalo, P.O.: Gankar, Block: Raghunathganj-I, District: Murshidabad, West Bengal.
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 1.04.2003 will meet the limit of 50 mg/Nm <sup>3</sup> for particulate matter emissions.	Not applicable, Unit is clinker grinding unit only and complying with its emission norms, limit of 30 mg/Nm <sup>3</sup> for particulate matter emissions.
4	CPCB will evolve load-based standards by December 2003.	Load based standards issued by the MoEFCC is for Kiln only. This is clinker grinding unit; hence, this condition is not applicable.
5	CPCB and NCBM will evolve SO <sub>2</sub> and NO <sub>x</sub> emission standards by June 2004.	Unit is clinker grinding units only; this condition is not-applicable.
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	To control the fugitive emissions, the following measures are adopted/ proposed in clinker grinding unit: <ul style="list-style-type: none"><li>• All conveyors belts are being/ will be covered.</li><li>• 45 nos. of bag filter and 2nos. bag house are installed at all materials transfer point in proposed expansion of clinker grinding unit.</li><li>• Fly ash is being/ will be stored in fly ash silo.</li><li>• Additives are being/ will be stored in covered storage yard.</li><li>• Cement is being/ will be stored in cement silo.</li><li>• Clinker is being/ will be stored in clinker silo.</li><li>• Cemented road has provided within plant area for vehicle movements.</li></ul>
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003.	Not Applicable



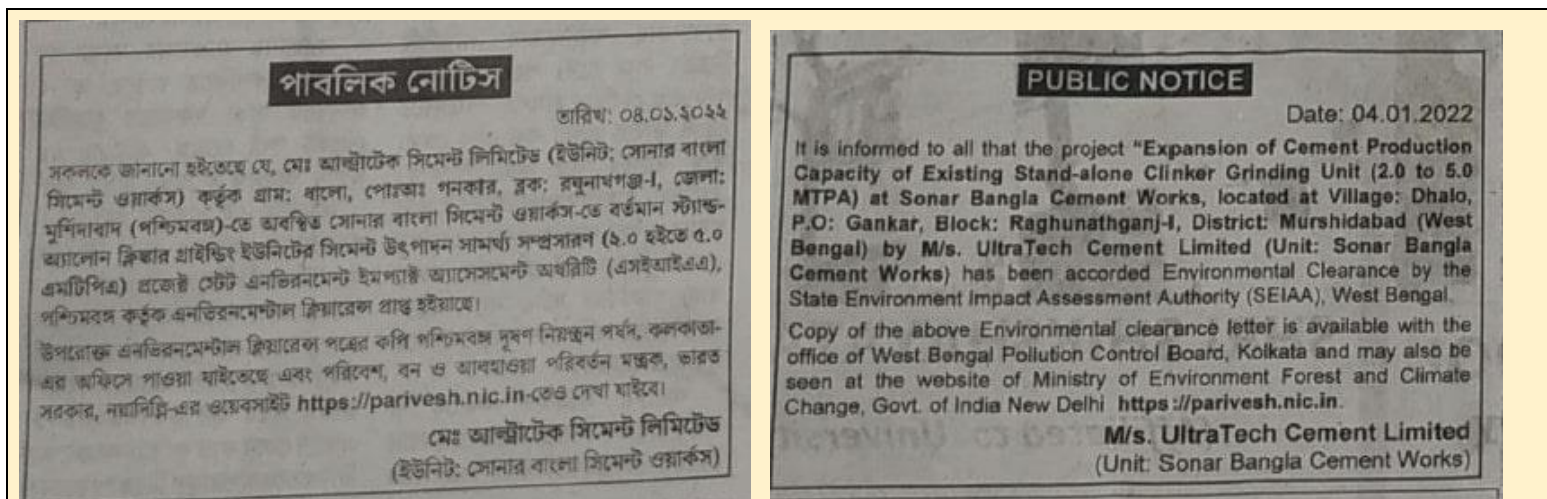
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Continuous emission monitoring system (CEMS) & Continuous Ambient Air Quality Monitoring Station (CAAQMS) have already been installed.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not applicable; as the proposal is for expansion of clinker grinding unit.
10	Industries will submit the target date to enhance the utilization of waste material by April, 2003.	Fly ash and slag is being used for OPC, PPC, PSC and Composite Cement manufacturing.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Not applicable; as the proposal is for expansion of clinker grinding unit.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003. * Non-complying units shall give bank guarantee to respective SPCBs.	Not applicable; as the proposal is for expansion of clinker grinding unit.

## X. Additional Conditions imposed by SEAC

i.	<b>Project proponent should maintain the existing plantation and also prepare an inventory of number of trees and species within the plant</b>	<p>Existing plantation along with the inventory of number of trees and species within the plant is certified from DFO.</p> 
	<b>Proper care should be taken during transportation of raw material as well as finished project.</b>	Transportation of raw materials are done through conveyor belts. Finished product (cement) is being transported through railway wagons and properly covered trucks.



	<b>Details of the model for air-pollution should be clearly explained.</b>	Regular monitoring of Ambient air quality and statistical analysis with metrological parameters is being done and ensure in the model of air pollution and Proper care is being taken to control the air pollution.
	<b>Wastewater analysis for the wash water should be furnished.</b>	Cement grinding is completely a dry process, the water is used only for cooling purpose, which is recycled back in the system. Domestic waste water is treated in STP and in every month the inlet and outlet water in being analyzed.
<b>XI.</b>	<b>Miscellaneous conditions</b>	
i.	<b>The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.</b>	Noted, EC obtained on 03 <sup>rd</sup> January 2022 and valid till 2 <sup>nd</sup> January 2029.
ii.	<b>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.</b>	Public notice regarding receipt of EC was advertised within 7 days in two local newspapers widely circulated in the area. In addition to the granted EC letter along with environmental conditions is available on the website of UltraTech Cement Limited permanently i.e. <a href="https://www.ultratechcement.com/">https://www.ultratechcement.com/</a>



iii.	<b>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.</b>	The copy of Environmental clearance letter was sent to the local concerned authorities for their kind information. The clearance letter was published to the company website as soon as it was received. It is also available on the UTCL website: <a href="http://www.ultratechcement.com">www.ultratechcement.com</a>
iv.	<b>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.</b>	Half yearly compliance report along with status of compliance of the stipulated environment clearance conditions, including results of monitored data is regularly updated on the company's website. Also, we are regularly uploading the compliance status on Parivesh Portal and will continue the same.
v.	<b>The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOX (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.</b>	The status of compliance of the stipulated EC Conditions including test results is regularly updated on company's website. The results are monitored regularly and are displayed at a convenient location in public domain at the main gate.



**24x7 AAQMS Data Display Board**



vi.	<b>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/SEIAA/SPCB.</b>	The status of compliance of the stipulated EC Conditions including test results will be submitted on the website ministry of Environment, Forest and Climate Change.
vii.	<b>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.</b>	We are regularly submitting Environmental Statement Report of each financial year in Form-V to the West Bengal Pollution Control Board as prescribed under the Environment (Protection) Rules and also upload in our company's website. Similarly, it will be followed for expanded capacity. The last Environment Statement was submitted vide our letter no. UTCL/SBCW/23-24/0826 dated 29.08.2023.
viii.	<b>The project proponent shall inform the Regional Office as well as the Ministry/SEIAA/SPCB, 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.</b>	Now the project is under establishment stage and the date of financial closure shall be provided after capitalization. <ul style="list-style-type: none"> <li>• CTE vide memo no 57-2N-03/2021(E) dated on 25th January 2022</li> <li>• Project work was started on 30th January 2022</li> <li>• Project work completed and CTO obtained, vide CTO no. CO144031, dated 07th September 2023, till valid up to 31st May 2028</li> </ul>
a.	<b>The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.</b>	Sonar Bangla Cement Works will strictly adhere to all the recommendations and directions of the West Bengal Pollution Control and the Govt. of West Bengal with true spirit as and when required.
b.	<b>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 State Expert Appraisal Committee.</b>	Environmental Management Plan (EMP) is being and will be implemented as committed in the Environment Impact Assessment (EIA) report. All the commitment made during Public Hearing will be completed on timely basis.

**The Socio-developmental activities in Environment Management Plan committed during Public Hearing on 21.05.2021.**

Sl. No.	Concerns raised during the Public Hearing	Physical activity to be done	Qty. in no.	Location	Target Period	Status
1	Education	Provide assistance for implementation of digital classes	In 02 School	1.Mirzapur 2.Dhalo Village	Within Five Years	Planed, to be done in FY23-24
		Providing computers to students	In 02 School	1.Mirzapur 2.Kabilpur Village		Total 10 nos computer provided. 6nos. to Mirzapur D.P.H.S School, 2nos to Dhalo Primary School and 2nos to Kabilpur Primary School.
		Providing projectors & internet facility and furniture in schools	In 03 School	1.Mirzapur, 2.Kabilpur 3.Dhalo Village		Planed, to be done in FY23-24
		Sanitary arrangements to the institution	In 01 School	1.Mathurapur Village		Construction of toilets in Mathurapur Primary School.
2	Sanitary & Drainage System	Provide assistance in maintenance/ improvement of sanitation and drainage system	In 03 Village	1.Aradanga, 2.Dhalo 3.Pachanpara village		Construction and Maintenance of Toilet at Aradanga, Dhalo and Pachanpara Village
3	Infrastructure Development	Construction of 2 rooms women working at the Anganwadi	In 01 Village	1.Mirzapur Village		Planed, to be done in FY25-26.
		Renovation of primary school building	In 03 School	Kabilpur, Paikar and Santoshpur Village		Building construction of Madrasa Education Centre in Kabilpur and renovation of Paikar Primary School were done and renovation of Santoshpur primary school building to be done in FY24-25.
		Construction of RCC road (inside villages)	In 03 Village	Gankar, Aradanga and Dhalo Village		Construction of Concreate Road at Dhalo and Gankor village were completed and Aradanga Road Construction to be done in FY24-25
	Drinking Water	Providing drinking water facilities to the nearby village by Installation submersible pump along with overhead tank and providing taps.	In 06 Village	1.Pachan Para, 2.Khojer Para, 3.Nawda, 4.Dakshin Para, 5.Mirzapur, 6.Maldoba Villages		Providided drinking water facilities in Village Dakhinpara, Nawada and near Maldoba Hospital. Planed in FY24-25 remaining three location.

**UltraTech Cement Limited**  
**Sonar Bangla Cement Works**  
**Inter Office Memo**

**CSR COMMITTEE**

Date: 01/07/2022

To: *[Signature]*  
 From: *[Signature]*

**Subject:** Providing a new computer desktop to the Mathurapur D.P.H.S. School, 2 no computer desktop to Dhola primary school and 2 nos to Kabilpur primary school for extending Quality Education and support the teachers to impart improve education through digital method to their students.

**Discussion:** Headmaster of Mathurapur D.P.H.S. School and school committee of Dhola primary school & Kabilpur primary school requested us to provide with some computers, so that they can emphasis on e-learning method for their students. In the pandemic situation school are not yet opened and the students are getting affected for not receiving quality education and due to non-availability of fund, the school authority is not in a position to procure those computers, as such they have made the request before us. In this context, it is to be noted that we are having 10 no desktop at our works and these are in the end of the but are in serviceable condition and we can donate the same to those school under CSR activities. If we extend our support, then a large number of students, approximately 100 students will be immensely benefited.

The matter is discussed and considering the importance & necessity it has been decided & unanimously agreed by the committee members to donate 10 no desktop from our works which is rejected due to their end of life but are in serviceable condition, so that we can encourage the digital classes.

**Recommendation:** A no desktop from our own source may be donated to the school authority of M.D.P.H.S. 2 nos to the Dhola primary school and 2 nos to the Kabilpur primary school. Repeating of computer and associated cost would be to 7000/- and the same expense would be incurred from CSR fund, and it is taken in the budgetary provision for FY22-23. Submitted to you for your kind perusal & approval please.

**Name of the committee members**

- Mr. Pawan K. Mishra, HOD - HR/BA/Adm/Security
- Mr. Anil K. Mishra, HOD - Technical
- Mr. A. J. Mishra, Sr. Accountant
- Mr. Shyamprasad Mondal, Sr. Safety
- Mr. Anup Kumar, PE - HR/BA
- Mr. Dhirendra Sharma, PE - Environment
- Mr. Anil Kumar, PE - Civil

*[Signature]*

**ULTRATECH CEMENT LIMITED**  
 (UNIT-SONAR BANGLA CEMENT WORKS)  
 VILLAGE: DHALA  
 WEST BENGAL-742227 (INDIA)

**DESPATCH ADVISE COM GATEPASS (NON RETURNABLE)**  
**'TO WHOM SO EVER IT MAY CONCERN'**

This is to certify, that following materials are sent for Repair/Replacement/Rejection/Stock Transfer/Change/Testing. This commitment is not for sales as commercial value and hence not liable for any statutory duties, taxes, levies and interest etc.

**TO: (CUSTOMER)** Mr. Dhirendra Sharma  
**FROM: (SUPPLIER)** Sonar Bangla Cement Works  
**Material No.:** 742227

**DATE:** 01/07/2022  
**TIME:** 10:00 AM  
**PLACE:** DHALA  
**TRANSPORT:** By Road

**QUANTITY:** 10 nos  
**UNIT:** SET

**REMARKS:** 10 nos desktop computer for CSR activities.

Construction of toilets in Mathurapur Primary School



Construction and Maintenance of Toilet at Aradanga, Dhola and Pachanpara Village

Total 10 nos computer provided to Students

Building constructed of Madrasa Education Centre in Kabilpur



Construction of Concrete Road at Dhala and Gankor Village

Provided drinking water facilities in Village Dakhinpara, Nawada and near Maldoba Hospital



## The commitments and recommendations made in the EIA / EMP report.

Sl. No.	Commitments/ recommendations as per EMP	Sub Points	Status
1.	AIR QUALITY MANAGEMENT	Sources of Fugitive Emissions in Clinker Grinding Unit and Mitigation Measures	<ul style="list-style-type: none"> <li>• Clinker, Slag &amp; Gypsum are being received at plant site through railway wagon.</li> <li>• Fly ash is being transported through bulkers.</li> <li>• Raw materials are being transported through covered conveyor belt in plant premises.</li> <li>• Bag filters has been installed at all material transfer points where all dust will be collected by Bag filters and used in system.</li> <li>• Clinker &amp; Fly ash are stored in silo and Gypsums and Slag are stored in covered sheds.</li> <li>• Wind breaking walls for sheds has been provided.</li> <li>• Dust extraction arrangement for packing machines has been provided.</li> <li>• Regular sweeping and water sprinkling on roads to minimize emissions is being done through vacuum cleaning machine and water sprinkling tank for better housekeeping.</li> </ul>
2.	WATER MANAGEMENT	Waste Water Management	<ul style="list-style-type: none"> <li>• No waste water is being discharged outside the plant premises.</li> <li>• Domestic wastewater generated from colony, office toilets and canteen of plant is being treated in STP (60 KLD) and treated water is being utilized for greenbelt development/plantation and water sprinkling to road.</li> </ul>
		Water Conservation Measures	<ul style="list-style-type: none"> <li>• Rain water harvesting pond has been developed within plant area to conserve water.</li> <li>• Artificial rainwater recharge structure is constructed inside plant premises to recharge ground water level of the area.</li> </ul>
3.	NOISE MANAGEMENT	High noise level	<ul style="list-style-type: none"> <li>• Improved silencers for the equipment generating high noise.</li> <li>• Proper maintenance, oiling and greasing of machines at regular intervals is being done to reduce generation of noise.</li> <li>• High noise generating equipment's and machinery is being kept in closed building/enclosures.</li> <li>• Personal Protective Equipment (PPEs) like earplugs and earmuffs is being provided to the workers exposed to high noise level.</li> </ul>
4.	SOLID WASTE MANAGEMENT	Dust collected from air pollution control equipment	<ul style="list-style-type: none"> <li>• Totally recycled in process</li> </ul>
		Sludge from Sewage Treatment Plant	<ul style="list-style-type: none"> <li>• Total Sludge generation from STP will be 0.8 Kg/ month, which is being used as manure for greenbelt development/ plantation.</li> </ul>
		Domestic waste	<ul style="list-style-type: none"> <li>• The domestic waste generated from the Project is being segregate into bio-degradable and non - degradable waste.</li> <li>• Bio-degradable waste will be converted in compost.</li> <li>• non-degradable wastes will be sent to Jangipur Municipality.</li> </ul>
5.	HAZARDOUS WASTE MANAGEMENT	a) Used or Spent Oil (5.1) b) Wastes or residues containing Oil (5.2) c) Empty barrels/ containers/ liners contaminated with hazardous chemicals / wastes	a) Recycling through authorized recyclers. b) Disposal to CHWTSDF c) Recycling through authorized recyclers.
6.	CONCEPT OF WASTE MINIMIZATION, 3R's (REUSE, RECYCLE and RECOVER TECHNIQUES),	Waste Minimization - 3R's	<ul style="list-style-type: none"> <li>• Reuse               <ul style="list-style-type: none"> <li>a) Waste generated from construction activity will be utilized in leveling of land.</li> </ul> </li> <li>• Recycle               <ul style="list-style-type: none"> <li>a) Treated water from STP is reused for greenbelt development / plantation and water sprinkling to road.</li> <li>b) The dust collected from pollution control equipment is/will be recycled in the process.</li> </ul> </li> <li>• Recovery               <ul style="list-style-type: none"> <li>a) The sludge generated from the STP is being / will be used as manure for greenbelt development /Plantation.</li> </ul> </li> </ul>

	ENERGY and NATURAL RESOURCE CONSERVATION MEASURES	Energy Conservation	<ul style="list-style-type: none"> <li>• Sonar Bangla Cement Works has established 102 KWp and 1.4 MWp Solar Power generating station in its premises.</li> <li>• Solar based LED lights instead of conventional lighting have been installed in Plant area.</li> <li>• Power saving by optimizing the Start/Stop Timings and interlocking of Equipment.</li> <li>• APFC (Automatic Power Factor Control) panel for HT and LT line to improve power factor (Unity) of the system.</li> <li>• Procurement of energy efficient machineries.</li> </ul>
		Natural Resource Conservation	<ul style="list-style-type: none"> <li>• Optimum use of water.</li> <li>• Use of Fly Ash and Slag in cement manufacturing process.</li> </ul>
6.	GREENBELT DEVELOPMENT & PLANTATION PROGRAMME	Green Belt	<ul style="list-style-type: none"> <li>• Out of the total plant area i.e. 64.17 ha (158.56 acre), approx. 21.18 ha (52.34 acres) i.e. 33% area has already been covered under greenbelt / plantation.</li> <li>• Plantation Programme is being organized in every month.</li> </ul>
7.	OCCUPATIONAL HEALTH AND SAFETY MEASURES	Occupational Health	<ul style="list-style-type: none"> <li>• The occupational health surveillance of the employee is being done on a regular basis and records of the same is being maintained as per the Factories Act.</li> <li>• Periodical medical camps with specialized doctors of various disciplines are organized to provide the specialized medical assistance to employees as well as neighboring communities.</li> </ul>
		Safety	<ul style="list-style-type: none"> <li>• Accident prevention and control including ensuring the use of safety appliances.</li> <li>• Assisting and cooperating with the management in achieving the aims and objectives outlined in the “Health and Safety Policy” of the occupier.</li> <li>• Carrying out health and safety surveys for identifying unsafe working condition/practices, which causes accident.</li> </ul>

ix.	<b>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&amp;CC)/SEIAA/ SPCB.</b>	Agreed and will be followed in true spirit.
x.	<b>Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.</b>	Agreed and Noted.
xi.	<b>The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</b>	Noted
xii.	<b>The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.</b>	Noted
xiii.	<b>The Regional Office of this Ministry /SEIAA 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.</b>	UltraTech Cement Limited (Unit: Sonar Bangla Cement Works) will provide full support and cooperation to the officers of The Regional Office of the Ministry /SEIAA to monitor the stipulated conditions.

xiv.	<b>The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974, the Air (Prevention &amp; 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.</b>	Noted and we agree
xv.	<b>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.</b>	Noted and we agree.

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