

CERTIFICATE

For certifying the distances human settlement and the important location / sites from the location of the proposed Brick Kiln Unit)

- 1. Name & Style of Unit with address for communication :
- 2. Location of brick Kiln Unit :
- 3. Distance of nearest revenue village from the site of proposed brick Kiln Unit & name :
- 4. Distance of nearest :
 - a) Education institute:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - b) Hospital:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - c) Religious or Historical Site:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - d) River or Stream or nearest public potable water source like pond, well etc.:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - e) Brick Kiln Unit:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - f) State Highway/National Highway Distance:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - g) Railway track distance:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - h) Any ecological/environmental sensitive area:
 - (i) Name: :
 - (ii) Distance : mtrs.
 - i) Any other important site:
 - (i) Name: :
 - (ii) Distance : mtrs.

Signature

Circle Officer/Executive Magistrate / Assistant Executive Engineer of Pollution Control Board, Assam

Note:

- 1. The above certificate is to be based on the latest official report.
- 2. This certificate is to be certified by office not below the post of Circle Officer/Executive Magistrate or Assistant Executive Engineer, Pollution Control Board, Assam.
- 3. All distance mentioned should be aerial distance only.
- 4. This certificate is need for official use of Pollution Control Board, Assam and
- 5. The Certificate is to be issued in above format only.

Annexure – 2

Standards for emission or discharge of pollutants as per Schedule-I at Sl. No.-74 of Environment (Protection) Rules, 1986 for Brick Kilns:

(i) Bull's Trench Kiln (BTK)		
	Category*	Limiting concentration in mg/Nm³
Particulate Matter	Small	1000
	Medium	750
	Large	750
Stack Height		Minimum (Metre)
	Small	22 or induced draft fan operating with minimum draft of 50 mm WG with 12 m stack height.
	Medium	27 or induced draft fan operating with minimum draft of 50 mm WG with 15 m stack height.
	Large	30 or induced draft fan operating with minimum draft of 50 mm WG with 17 m stack height.
*Category Small BTK Medium BTK Large BTK	Trench Width (m) < 4.50 4.50-6.75 Above 6.75	Production (bricks/day) Less than 15,000 15,000-30,000 Above 30,000
(ii) Down-Draft Kiln (DDK)		
	Category	Limiting concentration in Mg/Nm³
Particulate Matter	Small/large/medium	1200
Stack Height		Minimum (metre)
	Small	12
	Medium	15
	Large	18
++ Category Small DDK Medium DDK Large DDK		Production (bricks/day) Less than 15,000 15,000-30,000 Above 30,000
(iii) Vertical Shaft Kiln (VSK)		
	Category*	Limiting concentration in mg¹/Nm³
Particulate Matter	Small/large/medium	250
Stack Height		Minimum (metre)
	Small	11 (at least 5.5m from loading)
	Medium	14 (at least 7.5m from loading platform)
	Large	16 (at least 8.5m from loading platform)
**Category Small VSK Medium VSK	No. of shafts 1-3 4-6 7 or more	Production (bricks/day) Less than 15,000 15,000-30,000 Above 30,000

Notes:

1. Gravitational Setting Chamber along with fixed chimney of appropriate height shall be provided for all Bull's Trench Kilns.
2. One chimney per shaft in Vertical Shaft Kiln shall be provided. The two chimneys emanating from a shaft shall either be joined (at the loading platform in case of brick chimney or at appropriate level in case of metal chimney) to form a single chimney.
3. The above Standards shall be applicable for different kilns if coal, firewood and / or agricultural residues are used as fuel.

Ref – G.S. R. 543 (E) dated 22nd July 2009 (www.moef.nic.in).

National Ambient Air Quality Standards (NAAQS)

Sl. No.	Pollutant	Time Weighted Average	Concentration in ambient Air		
			Industrial, Residential, Rural and other areas	Ecologically sensitive area (notified by Central Government)	Methods of measurement
(1)	(2)	(3)	(4)	(5)	(6)
1	Sulphur dioxide (SO ₂), µg/m ³	Annual* 24 hours**	50 80	20 80	-Improved West & Gaeke -Ultraviolet fluorescence
2	Nitrogen Dioxide (NO ₂), µg/m ³	Annual* 24 hours**	40 80	30 80	-Modified Jacob & Hochheiser (Na-arsenite) -Chemiluminescence
3	Particulate matter (Size less than 10µm) or PM 10µg/m ³	Annual* 24 hours**	60 100	60 100	-Gravimetric -TOEM -Beta attenuation.
4	Particulate Matter (Size less than 2.5µm) or PM _{2.5} µg/m ³	Annual* 24 hours**	40 60	40 60	-Gravimetric -TOEM -Beta attenuation

*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Note:

Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.

(National Ambient Air Quality Standards, MOEF Notification dated 16th November 2009)

**PERFORMA AFFIDAVIT FOR CONSENT TO ESTALISH / CONSENT TO OPERATE
AFFIDAVIT**

I _____ (Name with designation) S/o Shri _____
_____ Resident of _____ do solemnly affirm and declare
as under:-

1. That I am responsible for establishing/ operating the brick kiln unit named M/s. _____ (Name & address of the unit).
2. That I, _____ (Name with designation) am authorized to sign the consent application form and other enclosures with the application.
3. That the plot area of the unit is _____ Sq. meter.
4. That the number of workers to carry out various activities in the unit is _____.
5. That the total number of employees proposed in the unit is _____.
6. That the total capital investment on the project is Rs. _____.
7. That this Consent to Establish/ Operate is being obtained for manufacturing of _____ (product name) up to _____ per year (capacity). In case of any increase/ change in capacity or addition/ modification/ alteration or change in process or raw material or project or discharge points, I will obtain fresh Consent to Establish.
8. That the quantity of trade/ domestic effluent shall not exceed _____ KLD. The mode of disposal shall be _____. In case of any increase in quantity of effluent or alteration in outlet or mode of disposal, we shall obtain prior consent from the Board.

OR

- That there will be no effluent discharge from the premises (applicable only in the case of dry units).
9. That the industry is a small/ medium/ large scale unit with SSI Registration No. / DGTD Registration No. / Letter of Intent No. _____.
 10. That all adequate measures for control and treatment of water / air pollution from the various processes/ activities shall be taken to meet the prescribed standards as per the Environment (Protection) Rules, 1986 and / or the State Board.
 11. That the adequate pollution Control measures (if required) shall be provided to meet the prescribed standards.
 12. That the adequate Emission Control System (ECS) (if required) shall be provided to meet the prescribed standards.
 13. That the adequate pollution control measures shall be taken to meet the prescribed ambient noise standards.
 14. That if Diesel Generator sets (of capacity 5 KVA or more) is installed, it will be Eco-friendly or with inbuilt acoustic enclosures to meet the prescribed norms with respect to noise as per the Gazette Notification of Ministry of Environment & Forests, Government of India dated 2.1.1999. Adequate stack height with D.G. Set (S) shall also be provided and maintained and noise monitoring report shall be submitted.
 15. That all orders and directions issued by the Board from time to time shall be complied with.
 16. That the name and addresses of Managing Director or other working Directors or Partners are given at _____ / as under. Any change there of shall be intimated immediately to the State Board.

VERIFICATION

DEPONENT

Verified at _____ on the _____ (day, month and year) that the above contents of this affidavit are true and correct to the best of my knowledge and belief and nothing has been concealed there from.

Note: The aforementioned Affidavit must be signed by the deponent and duly attested by Notary Public.

Note: Please omit whatever is not applicable.

CERTIFICATE

It is to certify that site of M/s.
at location is at a aerial
distance ofmtrs. from the nearest National Park/Sanctuary
..... and the proposed site does not fall
into any recognized elephant corridor or animal movement route.

**Revenue Circle Officer/Forest Range
Officer/Asst. Executive Engineer,
PCBA**

Seal & Signature

Note:

1. The certificate is to be issued by an Officer of not below the rank of Forest Range Officer of Forest Department.
2. This certificate is necessary only if the Certificate issued by Circle Officer/Magistrate/ Assistant Executive Engineer shows the distance of the National Park/Sanctuary within range of 1 Km.

Certificate of Capital Investment

(To be issued by a Chartered Accountant)

This is to certify that the total capital investment (without depreciation) made by the brick kiln project proponents M/s. for the project situated at as on or 31st March of is Rs. The details of investment in various subheads are as follows:

<u>Sl. No.</u>	<u>Item</u>	<u>Investment</u>
1.	Land
2.	Building
3.	Plant & Machinery
4.	Miscellaneous Assets
	Total

Signature :
Name :
Designation :
Name of Firm :
Registration Number :

Form-V
(See Rule-14)

Environmental statement for the financial year ending the 31st March

Part A

- Name and address of the owner/occupier of the industry operation or process
- Industry category primary-(STC Code) Secondary- (SIC Code)
- Production capacity
- Year of the establishment
- Date of last environmental statement submitted

Part B

Water and raw material consumption

(I) Water consumption m³/d

- Process
- Cooling
- Domestic

Name of Products	Process Water consumption per unit of product output	
	During the previous Financial year (1)	During the current Financial year (2)
(1)		
(2)		
(3)		

Raw Material Consumption

* Name of raw Materials	Name of products	Consumption of raw material per unit of output	
		During the previous Financial year	During the current financial year

*Industry may use codes if disclosing details of raw material would violate contractual obligations; otherwise all industries have to name the raw materials used.

Part C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

(I) Pollutants	Quality of pollutants discharged (mass/day)	Concentration of Pollutants Discharges (Mass/volume)	Percentage of Variation from Prescribed Standards with reasons
(a) Water			
(b) Air			

Part D

HAZARDOUS WASTES

(As specified under hazardous wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the Previous Financial year	During the current Financial year

- a. From process
- b. From pollution control facilities

Part E

Solid Wastes

	Total Quantity	
	During the Previous Financial year	During the current Financial year

- a. From process
- b. From pollution control facilities
- c. (1) Quantity recycled or reutilized within the unit.
 - (2) Sold
 - (3) Disposed

Part F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Part G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Part H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Part I

Any other particulars for improving the quality of the environment