APPENDIX I

(See Paragraph-6)

FORM 1

Note : If space provided against any parameter is inadequate, Kindly upload supporting document under 'Additional Attachments if any' at the last part of the Form1. Please note that all such Annexures must be part of single pdf document.

(I) Basic Information

S.No.	Item	Details
	Whether it is a violation case and application is being submitted under Notification No. S.O.804(E) dated 14.03.2017 ?	No
1.	Name of the Project/s	Enhancement in production capacity of Integrated Cement Project - Clinker (2.0 to 4.5 MTPA), Cement (2.5 to 5.2 MTPA), CPP (40 MW), WHRS (10 to 12 MW) and D.G. Set (2 x 6 MW) at Villages - Tonki, Temarni, Sondul and Golpura, Tehsil - Manawar, District - Dhar (Madhya Pradesh) by M/s. UltraTech Cement Ltd.
	Brief summary of project	Annexure-Brief summary of project
	Proposal Number	IA/MP/IND/50963/2016
	Project Cost (in lacs)	320000
2.	S. No. in the schedule	3(b) Cement plants
	Project Sector	Industrial Projects - 1
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number or wells to be drilled	Proposed Enhancement Capacity - Clinker (2.0 to 4.5 MTPA), Cement (2.5 to 5.2 MTPA), CPP (40 MW), WHRS (10 to 12 MW) and D.G. Set (2 x 6 MW) ha.
4.	New/Expansion/Modernization	Expansion
	Proposal Number	IA/MP/IND/6638/2012
	MoEFCC file number(Previous EC)	J-11011/86/2012-IA.II(I)
	Uploaded EC letter	Annexure-Uploaded EC letter
5.	Existing Capacity/Area etc.	231.28 ha.
6.	Category of project i.e. 'A' or 'B'	A
7.	Does it attract the general condition? If yes, please specify	No
8.	Does it attract the specific condition? If yes, please specify	No
9.	Location of the project	Villages - Tonki, Temarni, Sondul and Golpura, Tehsil - Manawar, District - Dhar (Madhya Pradesh)
	Shape of the project land	Block (Polygon)
	Uploaded GPS file	Annexure-GPS file
	Uploaded copy of survey of India Toposheet	Annexure-Survey of india toposheet
	Plot/Survey/Khasra No.	Enclosed as Annexure
	Town / Village	Villages - Tonki, Temarni, Sondul and Golpura
	State of the project	Madhya Pradesh

Details of State of the project			
S.no	**State Name**	**District Name**	**Tehsil Name**
(1.)	Madhya Pradesh	Dhar	Manawar

10.	Nearest railway station along with distance in kms	Mhow Railway Station, ~ 80 Km towards NE direction from the project site km
	Nearest airport along with distance in kms	Indore Airport, ~ 82 Km towards NE direction from the project site km
11.	Nearest Town/City/District Headquarters along with distance in kms	Manawar , ~ 4.0 km towards SW direction from the project site km
12.	Village Panchayats, Zila Parishad, Muncipal Corporation, Local body (Complete postal address with telephone nos. to be given)	
13.	Name of the Applicant	Dr. K.V. Reddy
14.	Registered Address	Ahura Centre, 1st Floor, 'A' Wing , Mahakali Caves Road, Andheri (E), Mumbai- 400 093
15.	**Address for correspondance:**	
	Name of the Company	M/s. UltraTech Cement Ltd.
	Name of the Applicant	Dr. K.V. Reddy
	Designation (Owner/ Partner/ CEO)	Senior Vice President & Corporate Hea
	Pin code	400093
	E-mail	kvijender.reddy@adityabirla.com
	Telephone No.	22-66917400
	Fax No.	22-28244970
	Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency .	NIL
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet	No
17.	Whether part of Interlinked projects?	Yes
18.	Whether separate application of Interlinked project has been submitted?	N/A
19.	If Yes, MoEF file number	N/A
	Date of submission	N/A
20.	If No, Reason	N/A
21.	**Whether the proposal involves Approval/ Clearance under: if yes, details of the same and their status to be given**	
	(i) Whether the proposal involves approval/clearance under the Forest (Conservation) Act,1980?	No
	(ii) Whether the proposal involves approval/clearance under the wildlife (Protection) Act,1972?	No
	(iii) Whether the proposal involves approval/clearance under the C.R.Z notification, 2011?	No

22.	Whether there is any Government Order/Policy relevant/relating to the site?	No
23.	Whether any Forest Land Involved?	
	Area of Forest land Involved (hectares)	N/A
24.	Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up?	No
	(a) Name of the Court	N/A
	(b) Name of the Sub court	N/A
	(c) Case No.	N/A
	(d) Orders/directions of the court, if any and relevance with the proposed project	N/A

(II) Activity

1 Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S.No	Information/Checklist confirmation	Yes/No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	Environmental Clearance for the existing project has been granted by MoEFCC vide letter no. J-11011/86/2012-IA.II (I) dated 10th Feb., 2016. The total project area is 231.28 ha and the company intends to commission the plant of proposed enhancement capacity. 76.32 ha i.e. 33% of the total project area will be developed under greenbelt / plantation.
1.2	Clearance of existing land, vegetation and buildings?	Yes	The project site is more or less flat and no levelling of ground will be required. Only some shrubs and bushes will need to be cleared for construction of various plant units of proposed enhancement capacity.
1.3	Creation of new land uses?	No	There shall not be any creation of new land uses, since the project land has already been converted to industrial use.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Pre-construction investigations have already been carried out and found satisfactory. Thus, it is not required for proposed enhancement project.
1.5	Construction works?	Yes	Construction will be done for various unit installations.
1.6	Demolition works?	No	No there will be no demolition work.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Temporary housing facilities will be provided for construction workers.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations and fill or excavations	Yes	There will be excavation, cut and fill during the process of construction / erection for cement plant.
1.9	Underground works including mining or tunnelling?	No	No underground works including mining or tunneling is required.
1.10	Reclamation works?	No	No reclamation work is required.

1.11	Dredging?	No	No Dredging is involved.
1.12	Offshore structures?	No	NotApplicable.
1.13	Production and manufacturing processes?	Yes	? Cement Plant • Transportation of Limestone from Captive Limestone Mine to Cement Plant • Raw Mix preparation • Raw Mix homogenization • Coal preparation • Calcination & Clinkerisation • Clinker Grinding • Cement Packing & Dispatch. ? Captive Power Plant o Burning of fuel in the CFCB boiler to generate steam. - Power generation in Turbine - Air Cooled system - Condensation of super-heated steam for recirculation in boiler ? Waste Heat Recovery Boiler For reutilization of the
1.14	Facilities for storage of goods or materials?	Yes	Proper Storage facilities will be provided within the plant premises separately for clinker, gypsum, fly ash and cement.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Cement Plant/Colony: • Dust collected from various air pollution control equipments will be recycled back to the process. • No wastewater will be generated from the cement manufacturing process. • Domestic wastewater generated from plant and colony will be treated in STP and treated water will be utilized in greenbelt development / plantation. • Sludge generated from STP will be used as manure in green belt development/ plantation. Captive Power Plant: • Solid Waste generated from the CP
1.16	Facilities for long term housing of operational workers?	Yes	A residential complex with all latest recreational and communication facilities will be provided for plant employees.
1.17	New road, rail or sea traffic during construction or operation?	Yes	A road from the nearest main road (SH-38) will be constructed to the project site.
1.18	New road, rail, air water borne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	Yes	A road will be developed from SH-38 to the project site for the transportation of the machinery and construction materials. Later, the same road will be used for the inward and outward traffic movement.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There will be no closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements will be required for proposed enhancement project.
1.20	New or diverted transmission lines or pipelines?	No	No new or diverted transmission lines or pipelines are there.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	There will be no impoundment, damming, culverting, realignment or other changes to the hydrology of water courses or aquifers.
1.22	Stream crossings?	No	Not Applicable
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Total water requirement for the proposed enhancement capacity will be 3200 KLD which will be sourced from Narmada River and Ground Water.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There will be no change in water bodies or the land surface affecting drainage or run-off.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During construction, transport arrangements will be made for the staff coming from distant villages / towns from where they commute to and fro for work. In the cement plant, long term housing facility will be provided

			for both skilled and un-skilled workers. Transportation of materials will be done by road and rail.
1.26	Long-term dismantling or decommissioning or restoration works?	No	No long-term dismantling or decommissioning or restoration works is required.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not Applicable
1.28	Influx of people to an area in either temporarily or permanently?	Yes	Total manpower required for the proposed enhancement capacity is 2600 persons (350 - direct and 2250 - indirect).
1.29	Introduction of alien species?	No	Introduction of alien species is not envisaged.
1.30	Loss of native species or genetic diversity?	No	No such case is reported from the area so far.
1.31	Any other actions?	No	Not Applicable

2 Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	Integrated Cement Project (Cement Plant + CPP+ Colony) of proposed enhancement capacity will be set up on 231.28 ha existing land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement for the proposed enhancement capacity will be 3200 KLD which will be sourced from Narmada River and Ground Water.
2.3	Minerals (MT)	Yes	Limestone, Gypsum and Coal will be used.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Construction material as available locally such as sand, reinforcement steel, structural steel, cement, metal etc. will be used. The quantification of the materials will be done during detailed engineering stage.
2.5	Forests and timber (source – MT)	No	No forests and timber is required.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT),energy (MW)	Yes	The total power required for proposed enhancement capacity will be 54MW. Source:CPP, WHRB and 132 KV Grid Power from Manawar Substation.
2.7	Any other natural resources (use appropriate standard units)	No	Not Applicable

3 Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human	No	No substances or materials will be used, which are hazardous to human health or the environment.

	health or the environment (flora, fauna, and water supplies		
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not Applicable
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	There is positive impact of the project in the area as follows: ? Providing employment opportunities, both direct and indirect, thus improving the economic status of the villagers. ? Communication and transport facilities will be improved ? Education facilities will be improved ? Community Health care programmes provide better health and medical facilities not only to the employees but also to the villagers.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	No effect envisaged.
3.5	Any other causes	No	Not Applicable

4 Production of solid wastes during construction or operation or decommissioning (MT/month)

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	There will be no spoil, overburden or mine wastes
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Municipal waste generated from Plant / colony will be collected, segregated and disposed off scientifically.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	A small quantity of spent oil and grease will be generated, which will be partly used in oiling and greasing as lubrication of external parts of machinery and remaining will be sold to the CPCB authorized recycler.
4.4	Other industrial process wastes	Yes	Dust collected by the dust collectors (Bag Filters and ESP) will be recycled in the process. Solid waste in the form of fly ash generated from Captive Power Plant will be utilized in cement manufacturing (PPC).
4.5	Surplus product	No	Not Applicable
4.6	Sewage sludge or other sludge from effluent treatment	Yes	Sludge generated from STP will be utilized as manure for greenbelt development / plantation within the plant premises.
4.7	Construction or demolition wastes	Yes	Construction waste like soil, brick bits, etc.will be utilized in leveling of land and road making. No demolition waste will be generated.
4.8	Redundant machinery or equipment	No	No redundant machinery or equipment is required.
4.9	Contaminated soils or other materials	No	There will not be any contaminated soils or other materials.
4.10	Agricultural wastes	No	There will not be any agricultural wastes.
4.11	Other solid wastes	No	There will not be any other solid wastes.

5 Release of pollutants or any hazardous, toxic or noxious substances to air(Kg/hr)

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emissions from combustion of fossil fuels from stationary or mobile sources will be maintained within the prescribed environmental regulatory standards.
5.2	Emissions from production processes	Yes	ESPs, Bag Filters will be installed to control PM emission generated from production processes.
5.3	Emissions from materials handling including storage or transport	Yes	The transportation and material handling activities will lead to increase in dust concentration which will be maintained by adopting proper mitigating measures such as: • Covered conveyor belts will be used for raw material and finished product transportation within the plant. • Water sprinkling will be done for dust suppression • Bag Filters shall be provided at the transfer Points • Concrete Road inside the Plant premises.
5.4	Emissions from construction activities including plant and equipment	Yes	Fugitive dust emissions may be generated from construction activities and vehicular movement. These emissions will be temporary and will be controlled.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	In the cement plant, dust will be generated from handling of raw materials. Bag filters will be installed at all transfer points to maintain it within acceptable levels.
5.6	Emissions from incineration of waste	No	There will be no incineration of waste
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	There will be no burning of waste in open air
5.8	Emissions from any other sources	No	There will be no emissions from any other sources

6 Generation of Noise and Vibration, and Emissions of Light and Heat:

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	In the cement plant, noise from operation of equipment will likely to arise. In CPP, noise will be generated from turbine, fans, centrifugal pumps, electric motors, etc. Noise level will be kept below the prescribed limit by CPCB. Proper noise abatement measures will be taken and persons working just close to machines and machine operators will be provided with personal protective equipment viz. Ear plugs / Ear muffs etc. for further protection.
6.2	From industrial or similar processes	Yes	Noise will be generated due to the running of the machinery. Proper mitigation measures will be taken for the reduction of noise levels viz. acoustic enclosures etc. The workers will be provided with personal protective equipments.
6.3	From construction or demolition	Yes	The noise generated from construction activities will be maintained within the prescribed noise standards.
6.4	From blasting or piling	No	Not Applicable

6.5	From construction or operational traffic	Yes	There will be some noise due to movement of machine/vehicle but the same will be maintained within the prescribed limit.Noise during construction activity will be temporary and will be resolved.
6.6	From lighting or cooling systems	No	No noise will be generated from lighting or cooling systems
6.7	From any other sources	No	Not Applicable

7 Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	There is no use / handling of hazardous material except during annual oil change period, which will be handled in closed containers. Also, care will be taken during its use for lubrication of external part of equipment, so that nothing falls on ground, which will contaminate the soil. Equipments will be kept well maintained, so that they may remain leakage free.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	In the cement plant, no effluent is being / will be generated during the process. Domestic waste water will be generated from the plant and colony which will be treated in STP and treated water will be used in greenbelt development / plantation. Effluent generated from CPP will be used for dust suppression after proper neutralization.
7.3	By deposition of pollutants emitted to air into the land or into water	No	In the cement plant & CPP, there is likely hood of increase of air emissions. But proper mitigating measures such as regular dust suppression by sprinkling water will help in reducing the effect. However, periodical monitoring will be done and results will be analyzed. In case any change shows adverse effects, it will be attended for improvements.
7.4	From any other sources	No	Not Applicable
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There will be no long-term buildup of pollutants in the environment as no waste water will be discharged outside the plant premises. However, periodic monitoring will be done for water and soil in the cement plant premises and surroundings, so that timely mitigation measures can be undertaken.

8 Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of	No	Possibility of accident on account of explosion, spillages, fire or hazardous substances etc. is very less. Proper

	hazardous substances		maintenance, operation and leakage proof condition of machinery eliminates possibilities of fire. Fire extinguishers will be made available near all machines and all persons would be properly trained to quench the fire at source itself. No other major risks will be involved.
8.2	From any other causes	No	Not Applicable
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	No such case has been reported in the area and chances are minimal.

9 Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: ◦ Supporting infrastructure (roads, power supply,waste or waste water treatment, etc.) ◦ housing development ◦ extractive industries ◦ supply industries ◦ Other	Yes	Proposed project will result in further growth of the surrounding areas by way of increased indirect employment opportunities in the region including ancillary development. Greenery of the surrounding area will be enhanced which will further add on to the area aesthetically. This will contribute in the raising the socio-economic status and standard of living of the nearby villagers.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not Applicable
9.3	Set a precedent for later developments	Yes	A better after use scenario which is likely to increase aesthetic beauty of area and greenery would set precedence for subsequent entrepreneurs who venture such projects.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	No environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality as in the vicinity of plant site.

(III) Environmental Sensitivity

S.No	Areas	Name/Identity	Aerial distance (within 15km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	There are no areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value within 15 km radius of the plant site.
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses	Yes	Lawani RF (~ 9.6 km in NE direction) Maan River (~ 1.5 km in West direction) Mandawadi River (~

	or other water bodies, coastal zone, biospheres, mountains, forests		8.0 km in SE direction)
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	There are no areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration within 15 km radius of the plant site.
4	Inland, coastal, marine or underground waters	No	There are no inland, coastal, marine or underground waters within 15 km radius of the plant site.
5	State, National boundaries	No	There is no State, National boundaries within 15 km radius of the plant site.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	There are no Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas within 15 km radius of the plant site.
7	Defence installations	No	There is no defense installation within 15 km radius of the plant site.
8	Densely populated or built-up area	Yes	Manawar (~ 4.0 km in SW direction)
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	There are many primary schools, dispensaries, small hospitals, places of worship within 15 km from the project site.
10	Areas containing important, high quality or scarce resources.(ground water resources,surface resources,forestry,agriculture,fisheries,tourism,minerals)	Yes	Limestone is present in the area.
11	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	No	There is no area already subjected to pollution or environmental damage within 15 km radius of the plant site.
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions) similar effects	No	No Areas susceptible to natural hazard which could cause the project to present environmental problems within 15 km radius of the plant site.

(IV) Proposed Terms of Reference for EIA studies

1	**Uploaded Proposed TOR File**	Annexure-TOR file
2	**Uploaded scanned copy of covering letter**	Annexure-scanned copy of covering letter
3	**Uploaded Pre-Feasibility report(PFR)**	Annexure-PFR
4	**Uploaded additional attachments(only single pdf file)**	NIL

(V) Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

V. (i)	**Name of Applicant**	Dr. K.V. Reddy

Designation	Senior Vice President & Corporate Hea
Name of Company (Applicant Name should not be given here)	M/s. UltraTech Cement Ltd.
Address	Ahura Centre, 1st Floor, 'A' Wing , Mahakali Caves Road, Andheri (E), Mumbai- 400 093

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