


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	
	Is your project Comes under Notified Industrial Area	NA	
	Whether proposal involved violation of EIA notification	N/A	
	Weather Consent to Establishment Obtained	N/A	
	Upload copy of CTE	N/A	
1.	Name of the Project/s Brief summary of project Proposal Number Project Cost	West Coast Refinery and Petrochemicals project at Babulwadi, Rajapur Tehsil, Ratnagiri district, Maharashtra Annexure-Brief summary of project IA/MH/IND2/65093/2017 270000000 lacs	
2.	S. No. in the schedule Project Sector	4(a) Petroleum refining industry Industrial Projects - 2	
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number or wells to be drilled	60 MMTPA ha.	
4.	New/Expansion/Modernization	New	
5.	Existing Capacity/Area etc.	0 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 Shape of the project land Uploaded GPS file Uploaded copy of survey of India Toposheet Plot/Survey/Khasra No. Town / Village State of the project	Babulwadi Block (Polygon) Annexure-GPS file  Annexure-Survey of india toposheet xx Babulwadi Maharashtra	
Details of State of the project			
S.no	State Name	District Name	Tehsil Name
(1.)	Maharashtra	Ratnagiri	Rajapur
10.			

	Nearest railway station along with distance in kms Nearest airport along with distance in kms	Rajapur Road, 20 km Dabolim Airport, Goa, 180 km
11.	Nearest Town/City/District Headquarters along with distance in kms	Rajapur , 20 km
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (Complete postal address with telephone nos. to be given)	Kumbhavade Panchayat, Rajapur taluka
13.	Name of the Applicant	Sanjeev
14.	Registered Address	Scope Complex, Core-2 Lodhi Road
15.	<u>Address for correspondance:</u> Name of the Company Name of the Applicant Designation (Owner/ Partner/ CEO) Pin code E-mail Telephone No. Fax No. Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency .	INDIAN OIL COPERATION LIMITED Sanjeev CGM 110003 vermas@indianoil.in 011-71726273 011- Annexure-Uploaded Copy of documents in support of the competence/authority.
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?	No
18.	Whether separate application of Interlinked project has been submitted?	N/A
19.	If Yes, MoEF file number Date of submission	N/A 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? (ii) Whether the proposal involves approval/clearance under the wildlife (Protection) Act,1972? (iii) Whether the proposal involves approval/clearance under the C.R.Z notification, 2011?	No No Yes
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)	No 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? (a) Name of the Court (b) Name of the Sub court	No N/A 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	Main processing facilities at Babulwadi including utilities, COT, Offsite, township.
1.2	Clearance of existing land, vegetation and buildings?	No	Not Applicable
1.3	Creation of new land uses?	Yes	New building and processing facilities will be made.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Soil testing activity shall be taken up.
1.5	Construction works?	Yes	Development of refinery cum petrochemical complex, COT and township shall be carried out.
1.6	Demolition works?	Yes	Site leveling activities shall be taken up.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Site development activities shall be taken up.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations and fill or excavations	Yes	Site development activities shall be taken up.
1.9	Underground works including mining or tunnelling?	No	Not Applicable
1.10	Reclamation works?	Yes	Site development activities shall be taken up.
1.11	Dredging?	Yes	Development of COT facilities shall be taken up.
1.12	Offshore structures?	Yes	Development of COT facilities shall be taken up.
1.13	Production and manufacturing processes?	Yes	Crude processing, production of petroleum products & petrochemicals.
1.14	Facilities for storage of goods or materials?	Yes	Crude & product storage facility and warehouses for Petrochemical products.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Effluent treatment facility would be installed along with refinery for zero discharge effluent to outside.
1.16	Facilities for long term housing of operational workers?	Yes	Township shall be built.
1.17	New road, rail or sea traffic during construction or operation?	Yes	NH and SH exists at nearby area. However connecting road shall be made.
1.18	New road, rail, air water borne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	Yes	Connectivity from NH & SH to the site.

1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	Yes	SH 113 will be re-routed.
1.20	New or diverted transmission lines or pipelines?	Yes	The New pipelines will be routed through Solapur for dispatching of products.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No changes to the hydrology of watercourses or aquifers.
1.22	Stream crossings?	Yes	Pipeline from COT to refinery will cross the creek nearby.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	In addition to desalination, Koyana dam excess water will be utilized for the project.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	Not Applicable
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	For Construction: Only materials/equipment will be transported from vendors' site to West coast project area. Contract workers will come from nearby area by local movement. For operations: Personnel shall be coming from the proposed refinery township
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not Applicable
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	Commissioning people will be deployed in nearby area on temporary basis. Permanent employees shall be accommodated in proposed township and nearby area.
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	Not Applicable
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)	Yes	Mostly Barren & Undulating The total area is Rocky from the surface itself.
2.2	Water (expected source & competing users) unit: KLD	Yes	In addition to desalination, Koyana dam excess water will be utilized for the project. Estimated raw water requirement for the Refinery-Cum-Petrochemical Complex is 180 MGD.
2.3	Minerals (MT)	No	Not Applicable
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Sand, stone aggregates will be sourced from authorized/govt. approved vendors.
2.5	Forests and timber (source – MT)	No	Not Applicable
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT),energy (MW)	Yes	1500 MW

2.7	Any other natural resources (use appropriate standard units)	No	Not Applicable
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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 health or the environment (flora, fauna, and water supplies)	Yes	The list of chemicals to be used in process and utility area is as below: • Hydrogen sulphide • Ammonia • Chlorine • Caustic soda • MDEA • Phosphate solution • Antifoam agent • Biocide • Corrosion inhibitor • Other dosing chemicals • Benzene • Toluene • Acetic acid • Phenol • Acrylonitrile
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 will be significant positive development towards economic front of the local people.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	Not Applicable
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	Not Applicable
4.2	Municipal waste (domestic and or commercial wastes)	No	Not Applicable
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Spent catalyst will be generated every 4-5 years. All statutory rules/guidelines of MoEFCC/CPCB will be complied prior to recycle, reclamation or sale of spent catalyst.
4.4	Other industrial process wastes	Yes	Certain polymer and scum shall be generated.
4.5	Surplus product	Yes	Surplus product shall be stored in designed warehouses.
4.6	Sewage sludge or other sludge from effluent treatment	Yes	Effluent shall be treated in ETP.
4.7	Construction or demolition wastes	No	Not Applicable
4.8	Redundant machinery or equipment	No	Not Applicable
4.9	Contaminated soils or other materials	No	Not Applicable
4.10	Agricultural wastes	No	Not Applicable
4.11	Other solid wastes	No	Not Applicable

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	No	Not Applicable
5.2	Emissions from production processes	Yes	Estimated SOx emission =150 TPD.
5.3	Emissions from materials handling including storage or transport	Yes	Marginal emission due to vehicular movement for transportation and storage, coal/Petcoke handling.
5.4	Emissions from construction activities including plant and equipment	No	Not Applicable
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Only dust could be there, no odour. Sewage generated during construction /operation will be collected and disposed.
5.6	Emissions from incineration of waste	No	Not Applicable
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No waste will be burnt. Construction debris will be kept in earmarked area, while metal scraps will be sold.
5.8	Emissions from any other sources	No	Not Applicable

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	Noise from equipment will be within statutory limits, applicable for industrial area.
6.2	From industrial or similar processes	Yes	Noise from equipment will be within statutory limits, applicable for industrial area.
6.3	From construction or demolition	Yes	Noise from equipment will be within statutory limits, applicable for industrial area.
6.4	From blasting or piling	Yes	Noise from equipment will be within statutory limits, applicable for industrial area.
6.5	From construction or operational traffic	Yes	Noise from equipment will be within statutory limits, applicable for industrial area.
6.6	From lighting or cooling systems	Yes	Noise from equipment will be within statutory limits, applicable for industrial area.
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
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			source of information data
7.1	From handling, storage, use or spillage of hazardous materials	Yes	Entire plant area will be paved and all contaminated discharges will be routed to Effluent treatment. No discharge to outside. Solid waste generated will be disposed through authorized agency.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	The treated effluent will be totally Recycled.
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	Flare system has been envisaged in this project.
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	Not Applicable

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 hazardous substances	No	New Occupational Health and Safety Management meeting international management System standard (OHSAS-18001) will be put in place to control/avoid any such eventualities backed by strong Fire & Safety department. New system comprising of fire water storage, fire water pumps, service water tanks and distribution piping network has been considered.
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	The site falls under seismic zone IV.

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.: <ul style="list-style-type: none"> o Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) o housing development o extractive industries o supply industries o Other 	Yes	There will be significant positive development in economic front of the local area.
9.2	Lead to after-use of the site, which could	No	Not Applicable

	have an impact on the environment		
9.3	Set a precedent for later developments	No	Not Applicable
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not Applicable

(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	Yes	Kumbhavade and Dongar are Ecologically Sensitive villages listed in Kasturirangan Report.	
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	Vaghotan river is adjacent to COT facilities.	
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Not Applicable	
4	Inland, coastal, marine or underground waters	Yes	Vaghotan river is adjacent to COT facilities.	
5	State, National boundaries	Yes	Not Applicable	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	Not Applicable	
7	Defence installations	No	Not Applicable	
8	Densely populated or built-up area	No	Not Applicable	
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	No	Not Applicable	
10	Areas containing important, high quality or scarce resources.(ground water resources,surface resources,forestry,agriculture,fisheries,tourism,minerals)	No	Not Applicable	
11	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	No	Not Applicable	
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	Yes	The site falls under seismic zone IV.	

(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			
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">Additional Attachments, if any</td> </tr> <tr> <td style="text-align: center;">Attached File</td> </tr> <tr> <td>ADS Letter</td> </tr> </table>			Additional Attachments, if any	Attached File	ADS Letter
Additional Attachments, if any					
Attached File					
ADS Letter					

Essential Detail Sought : NIL

Additional Detail Sought:			
Sno.	ADS Letter	Remarks	Date of ADS
1.	ADS Reply Letter	Reply of Additional details sought by Member Secretary is attached herewith.	06 Jul 2017
2.	NA	EAC after detailed deliberation has deferred the proposal for want of following information/documents: i. PP shall submit a letter from the concerned authority that the project does not fall in the ESA and the proposed activities are permitted in the area. ii. Details of structure/pipeline connecting Plot 1 & Plot 2. iii. Land ownership certificate from the concerned authority/letter from MSIDC. iv. PP shall submit details of site selection analysis and also the details of studies conducted for alternate site analysis. v. Video coverage of the area to understand the real habitat. vi. Construction of jetties and ports shall be submitted to the concerned EAC for appraisal. PP shall also obtain the recommendation of SCZMA for CRZ clearance.	04 Jul 2017

(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	Sanjeev
	Designation	CGM
	Name of Company (Applicant Name should not be given here)	INDIAN OIL COOPERATION LIMITED
	Address	Scope Complex, Core-2 Lodhi Road