

APPENDIX - I
(See paragraph - 6)

UPDATED FORM- I FOR RE-VALIDATION OF ENVIRONMENTAL CLEARANCE

(I) Basic Information:


| S. No | Item | Details |
|-------|---|--|
| 1 | Name of the project/s: | M/s Essar Power Orissa Ltd. |
| 2 | S. No. in the schedule | 1 (d) |
| 3. | Proposed capacity/area/ length/ tonnage to be handled/ command area/lease area/ number of Wells to be drilled. | Renewal/Extension of existing environmental clearance for (2x30) MW Coal based Captive Power Plant (Phase-II) of M/s Essar Power Orissa Ltd. (EPOL) at village: Bijaychandrapur, Tehsil: Kujang, Dist: Jagatsinghpur, Odisha. (Vide letter no - 638/SEIAA dated 17.11.2011) |
| 4. | New/Expansion/Modernization | Not applicable; Only renewal of existing Environmental Clearance vide ref No. 638/SEIAA dtd. 17.11.11. |
| 5. | Existing Capacity Area etc. | 2x30 MW (As mentioned earlier) |
| 6. | Category of Project i.e.' A' or 'B' | B |
| 7. | Does it attract the general condition? If yes, Please specify. | Not applicable |
| 8. | Does it attract the specific condition? If yes, Please specify. | No |
| 9. | Location | Latitudes and Longitudes Point 1 : 20°18'44.93" N, 86°38'57.51" E Point 2 : 20°18'48.37" N, 86°38'52.48" E Point 3 : 20°18'27.72" N, 86°38'26.29" E Point 4 : 20°18'21.96" N, 86°38'30.49" E |
| | Plot/Survey/Khasra No. | Land is already acquired. |
| | Village | Bijaychandrapur |
| | Tehsil | Kujang |
| | District | Jagatsinghpur |
| | State | Odisha. |
| 10. | Nearest railway station/airport along with Distance in kms. | Paradeep Railway Station 4 Km Bhubaneswar Airport, Bhubaneswar 140 Km. |
| 11. | Nearest Town, city, District Headquarters along with distance in kms. | Paradeep Distance - 5.0 Km |
| 12. | Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal Address with telephone nos. to be given) | Village - Bijayachandrapur Dist- Jagatsinghpur |
| 13. | Name of the applicant | Essar Power Orissa Limited |
| 14. | Registered Address | 27 th km, Surat Hazira road, Hazira -394270 |
| 15. | Address for correspondence: | |
| | Name | Mr. Santosh K Thatte |
| | Designation (Owner/Partner/CEO) | Vice President |

| | | |
|-----|--|---|
| | Address | At-Udayabatta, P.O.-Paradeep, Dist- Jagatsinghpur, Odisha. |
| | Pin Code | 754103 |
| | E-mail | s.thatte@essarpower.co.in |
| | Telephone No. | 06722-216031/32/33 |
| | Fax No. | |
| 16. | Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet. | Project land is already acquired , Phase-I is already commissioned since from the year 2015 & Phase – II work is in progress. |
| 17. | Interlinked Projects | Phase-I, is already commissioned and in operational since from 2015 & Phase-II work in progress. |
| 18. | Whether separate application of interlinked Project has been submitted? | Not applicable |
| 19. | If yes, date of submission | Not applicable |
| 20. | If no, reason | |
| 21. | Whether the proposal involves approval / clearance under: if yes, Details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972 (c) The C.R.Z. Notification, 1991? | Not applicable |
| 22. | Whether there is any Government Order/ Policy relevant/ relating to the site? | No |
| 23. | Forest land involved (hectares) | No |
| 24. | Whether there is any litigation pending against the project and /or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project. | No |

- *Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)*

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

Date: 27/10/2018
Place: Bhubaneswar.


Signature of the applicant
With Name and Full Address
(Project proponent / Authorised Signatory)

submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State coastal zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.

2. The projects to be located within 10 km of the National parks, sanctuaries, Biosphere Reserves, Migratory corridors of wild Animals, the project proponent shall submit the map duly authenticated showing by chief wildlife warden showing these features vis-a-vis the project location and the Recommendation or comments of the Chief Wildlife Warden 'thereon (at the stage of EC)."
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environment Clearances, subsequent Clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.

(II) Activity

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

| S.No. | Information/Checklist confirmation | Yes / No | Details thereof (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 | Total project land is acquired and Phase-I, is already commissioned and in operational since from 2015 & Phase-II work in progress. The land use is Industrial. Land utilization breakup is given in Annexure-I . | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | Clearance of existing land, vegetation and buildings? | Yes | Already done, Phase-I, is already commissioned and in operational since from 2015 & Phase-II work in progress. | | | | | | | | | | | | | | | | | | | | | |
| 1.3 | Creation of new land uses? | Yes | No | | | | | | | | | | | | | | | | | | | | | |
| 1.4 | Pre-construction investigations e.g bore houses, soil testing? | Yes | Investigate of soil testing has been done. | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | Construction works? | Yes | Construction work has already been done. | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | Demolition works? | No | Not envisaged | | | | | | | | | | | | | | | | | | | | | |
| 1.7 | Temporary sites used for construction works or housing of construction workers? | Yes | The Power Plant has already been commissioned so there is no temporary site for construction work. | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations | Yes | Not applicable since phase-I is already completed & commissioned, Phase-II work is in progress. | | | | | | | | | | | | | | | | | | | | | |
| 1.9 | Underground works including mining or tunneling? | No | Not applicable, since phase-I is already completed & commissioned, Phase-II work is in progress. | | | | | | | | | | | | | | | | | | | | | |
| 1.10 | Reclamation works? | No | Not applicable | | | | | | | | | | | | | | | | | | | | | |
| 1.11 | Dredging? | No | Not applicable | | | | | | | | | | | | | | | | | | | | | |
| 1.12 | Offshore structures? | No | Not applicable | | | | | | | | | | | | | | | | | | | | | |
| 1.13 | Production and manufacturing processes? | Yes | | | | | | | | | | | | | | | | | | | | | | |
| 1.14 | Facilities for storage of goods or materials? | Yes | 10 days of storage sheds is envisaged. | | | | | | | | | | | | | | | | | | | | | |
| 1.15 | Facilities for treatment or disposal of solid waste or liquid effluents? | Yes | <p>Solid Waste</p> <table border="1"> <thead> <tr> <th>Type of Waste</th> <th>Source</th> <th>Quantity</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>Fly Ash</td> <td rowspan="2">Boilers</td> <td>504 TPD</td> <td>Supply to cement, bricks/blocks manufacturers.</td> </tr> <tr> <td>Bottom Ash</td> <td>126 TPD</td> <td>Disposed off in dry form in the ash mound.</td> </tr> <tr> <td>Used Oil</td> <td>CPP Operation</td> <td>25 KLPA</td> <td>Will be sent to CPCB registered recyclers.</td> </tr> </tbody> </table> <p>Liquid Effluents</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Generation Rate</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Type of Waste | Source | Quantity | Disposal | Fly Ash | Boilers | 504 TPD | Supply to cement, bricks/blocks manufacturers. | Bottom Ash | 126 TPD | Disposed off in dry form in the ash mound. | Used Oil | CPP Operation | 25 KLPA | Will be sent to CPCB registered recyclers. | Particulars | Generation Rate | Disposal | | | |
| Type of Waste | Source | Quantity | Disposal | | | | | | | | | | | | | | | | | | | | | |
| Fly Ash | Boilers | 504 TPD | Supply to cement, bricks/blocks manufacturers. | | | | | | | | | | | | | | | | | | | | | |
| Bottom Ash | | 126 TPD | Disposed off in dry form in the ash mound. | | | | | | | | | | | | | | | | | | | | | |
| Used Oil | CPP Operation | 25 KLPA | Will be sent to CPCB registered recyclers. | | | | | | | | | | | | | | | | | | | | | |
| Particulars | Generation Rate | Disposal | | | | | | | | | | | | | | | | | | | | | | |
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| | | | <table border="1"> <thead> <tr> <th></th> <th>(m³/hour)</th> </tr> </thead> <tbody> <tr> <td>Cooling Tower blow down</td> <td>67</td> </tr> <tr> <td>Boiler blow down</td> <td>7.5</td> </tr> <tr> <td>DM water</td> <td>0.8</td> </tr> <tr> <td>Raw water treatment plant</td> <td>29</td> </tr> <tr> <td>Total</td> <td>104.3</td> </tr> </tbody> </table> <p>The waste water generated from the sources is collected in holding pond and treated to achieve required standards as per EC vide letter no 638/SEIAA dated 17.11.11.</p> <p>The total effluent after treatment is being used for dust suppression, ash conditioning, and gardening and in cooling tower. The domestic waste water is discharged to septic tank followed by soak pit.</p> | | (m ³ /hour) | Cooling Tower blow down | 67 | Boiler blow down | 7.5 | DM water | 0.8 | Raw water treatment plant | 29 | Total | 104.3 |
|---------------------------|---|-----|---|--|------------------------|-------------------------|----|------------------|-----|----------|-----|---------------------------|----|--------------|--------------|
| | (m ³ /hour) | | | | | | | | | | | | | | |
| Cooling Tower blow down | 67 | | | | | | | | | | | | | | |
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| DM water | 0.8 | | | | | | | | | | | | | | |
| Raw water treatment plant | 29 | | | | | | | | | | | | | | |
| Total | 104.3 | | | | | | | | | | | | | | |
| 1.16 | Facilities for long term housing of operational workers? | No | Not envisaged | | | | | | | | | | | | |
| 1.17 | New road, rail or sea traffic during construction or operation? | No | Not envisaged | | | | | | | | | | | | |
| 1.18 | New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc? | No | Not envisaged | | | | | | | | | | | | |
| 1.19 | Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements? | No | Not applicable | | | | | | | | | | | | |
| 1.20 | New or diverted transmission lines or pipelines? | No | Not applicable | | | | | | | | | | | | |
| 1.21 | Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers? | No | Not applicable | | | | | | | | | | | | |
| 1.22 | Stream crossings? | Yes | No streams are crossing. | | | | | | | | | | | | |
| 1.23 | Abstraction or transfers of water from ground or surface waters? | Yes | About 6200 m ³ /day of water will be drawn from Taladanda canal. | | | | | | | | | | | | |
| 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 | Transportation of Materials during construction and operational phase by Road. | | | | | | | | | | | | |
| 1.26 | Long-term dismantling or decommissioning or restoration works? | No | Not envisaged | | | | | | | | | | | | |
| 1.27 | Ongoing activity during decommissioning which could have an impact on the environment? | No | Not envisaged | | | | | | | | | | | | |
| 1.28 | Influx of people to an area in | Yes | Workers are/ shall be employed from the local area on | | | | | | | | | | | | |

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| | either temporarily or permanently? | | priority or may be brought from outside. |
| 1.29 | Introduction of alien species? | No | Not envisaged |
| 1.30 | Loss of native species or genetic diversity? | No | Not envisaged |
| 1.31 | Any other actions? | No | Not envisaged |

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 | Project land is already acquired, Phase-I is already commissioned since from the year 2015 & Phase -II work is in progress. |
| 2.2 | Water (expected source & competing users) unit: KLD | Yes | The required water of 6200 KLD is being drawn from Taladanda Canal. |
| 2.3 | Minerals (MT) | Yes | Coal 1400 TPD |
| 2.4 | Construction material - stone, aggregates, sand / soil (expected source - MT) | Yes | Civil Construction for the entire project (Phase-I & Phase-II) both are already completed, only Electrical & Mechanical works are going on. |
| 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 | Coal-1400 TPD, HSD-5000 L The power requirement is available from Phase-I which is operational since 2015. |
| 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 health or the environment (flora, fauna, and water supplies) | Yes | Max storage capacity HSD: 55 m ³ storage As per approved EC /638/SEIAA dated 17.11.11 |
| 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 | Yes | CSR activities are done through Essar Foundation. |

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| | conditions? | | |
| 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 | Soil, overburden or mine wastes | Yes | Already done, Phase-I, is already commissioned and in operational since from 2015 & Phase-II work in progress. |
| 4.2 | Municipal waste (domestic and or commercial wastes) | Yes | Municipal solid waste generated from temporary sanitary facilities during construction phase will be properly collected segregated according to waste types and subsequently disposed as per MSW Rules. |
| 4.3 | Hazardous wastes (as per Hazardous Waste Management Rules) | Yes | Recyclable <ul style="list-style-type: none"> • Waste oils and oil sludge • Used batteries • Containers of hazardous materials (oil drums, paint drums, chemical drums etc.) |
| 4.4 | Other industrial process wastes | Yes | Bottom ash Fly ash |
| 4.5 | Surplus product | No. | No Applicable |
| 4.6 | Sewage sludge or other sludge from effluent treatment | Yes | Domestic sewage would be treated in septic tanks/soak pits. |
| 4.7 | Construction or demolition wastes | Yes | At present Civil Construction work has been already completed and there are no permanent structures on the site, therefore no demolition waste will be generated during the construction activities. |
| 4.8 | Redundant machinery or equipment | No | Not applicable |
| 4.9 | Contaminated soils or other materials | No | Proper precautionary measures during construction would ensure no such contamination |
| 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 | Yes | Particulate matter: (As per EC no 638/SEIAA) Particulate matter emission <100 mg/Nm ³ SO ₂ : coal burnt has sulfur <0.5 % NO _x : AFBC boilers are fitted with low NO _x burners. |
| 5.2 | Emissions from production | Yes | Particulate / Gaseous emissions are limited to the |

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| | processes | | regulatory norms through appropriate control equipment. |
| 5.3 | Emissions from materials handling including storage or transport | Yes | Dust from i. Coal handling site and ii. Fly ash storage area. Water sprinkling in coal handling plant. Fly ash silos will be provided with bag filters on top. |
| 5.4 | Emissions from construction activities including plant and equipment | Yes | From all combined sources in Plant, the Ambient Air quality (24 hrs) shall be (As per approved/existing EC & CTE) |
| 5.5 | Dust or odours from handling of materials including construction materials, sewage and waste | Yes | Fugitive emission is envisaged from handling of construction materials and from vehicular movement. Therefore, water sprinkling will be done to reduce fugitive dust. |
| 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 | Not applicable |
| 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 | Turbine generator, other rotating equipment coal handling are the source of noise in a power plant. All the equipments in the plant are designed/operated to have noise level not exceeding 85 to 90 dB(A) at 1 meter from source. |
| 6.2 | From industrial or similar processes | Yes | Cumulative noise shall be <75 Db (A) at the boundary of the plant. |
| 6.3 | From construction or demolition | Yes | Maximum cumulative noise shall be varied from 85 to 100 dB (A) at the construction site. |
| 6.4 | From blasting or piling | No | No blasting activity. Piling noise is minimized by avoiding night time piling. |
| 6.5 | From construction or operational traffic | Yes | Cumulative noise shall be varied from 75 – 80 dB(A) Leq |
| 6.6 | From lighting or cooling systems | No | Noise generated from the Cooling Tower is within the Industrial norms |
| 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 |
|-------------|---|----------------|--|
|-------------|---|----------------|--|

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|-----|---|-----|---|
| 7.1 | From handling, storage, use or spillage of hazardous materials | No | Safe storage facilities are provided for elimination of any contamination |
| 7.2 | From discharge of sewage or other effluents to water or the land (expected mode and place of discharge) | No | Plant is designed for Zero discharge |
| 7.3 | By deposition of pollutants emitted to air into the land or into water | Yes | Air emissions level is maintained well within the standard stipulated by OSPCB/CPCB/ MoEF & CC. |
| 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 | Yes | Fire hazard from Oil & Coal Storage. It will be controlled by regular water sprinkling and compaction of coal stock pile to avoid auto ignition and chlorine release. |
| 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 project site is located in Zone III in the Seismic Zonation Map as per IS: 1893. |

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 facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries | Yes | EPORL, always giving priority to locals in direct and indirect employment and business opportunities. |

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| | • other | | |
| 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 | Contribute to the maximum possible extent. |
| 9.4 | Have cumulative effects due to proximity to other existing or planned projects with similar effects | No | Number of processing and handling of iron ore facilities are in operation or planned in the region. Hence, this project shall have cumulative effects with respected to all parameters . |

Environmental Sensitivity

| S. No. | Areas | Name/ Identity | Aerial distance (within 10km.) Proposed project location boundary |
|--------|--|---|--|
| 1 | Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value | None | Not applicable |
| 2 | Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests | Reserved Forest Water Bodies <ul style="list-style-type: none"> • Mahanadi River • Nuna nadi • Taladanda canal • Gupti nadi • Kharnasi nadi • Bhitargarh Nala • Santra nadi • Atharabanki nala • Shyamkoti Nala • Kaduamodali nala | Nil <ul style="list-style-type: none"> • 1.5 km, NE • 5.0 km, NW • 0.7 km, SW • 3.3 km, NNW • 3.0 km, NE • 1.1 km, SW • 7.8 km, SW • 4.0 km, S • 4.5 km, SSW • 4.0 km, E |
| 3 | Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, | --- | Mangrove swamp more than 6 kms |
| 4 | Inland, coastal, marine or underground waters | Bay of Bengal | 5.5 km, SE |
| 5 | State, National boundaries | None | Not applicable |
| 6 | Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas. | <ul style="list-style-type: none"> • NH-16 • Rly. line | <ul style="list-style-type: none"> • 0.8 km, SW • 3.6 km, S |
| 7 | Defense installations | None | |

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| 8 | Densely populated or built-up area (population more than 2000) as per 2001 census data. | <ul style="list-style-type: none"> • Bagadia • Bhutumundai • Gandakipur • Paradeepgarh • Kharinasi • Ramanagar • Paradeep | <ul style="list-style-type: none"> • 7.1 km SW • 7.2 km W • 9.0 km WSW • 3.5 km W • 6.0 km NE • 6.0 km NNE • 5.0 km, SE |
| 9 | Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities) | • Paradeep Port Hospital | within 10 km |
| 10 | Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals) | None | Not applicable |
| 11 | Areas already subjected to pollution or environmental damage (those where existing legal environmental standards are exceeded) | None | 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) | None | Not applicable |