

#### FORM - 'A'

# Form for seeking prior approval under section 2 of the proposals By the State Governments and other authorities PART-I

PAR I-I

(To be filled up by user agency)

## 1. Project details:

 Short narrative of the proposal and project / scheme for which the forest land is required.

M/s. Jindal Steel & Power Limited proposed to set up an Integrated Steel Complex with Captive Power Plant near Kerjang Rly. Station in the district of Angul in pursuance of the MOU signed between Govt. of Orissa and M/s Jindal Steel & Power Ltd, to this effect 03.11.2005 (Annexure-I). The Plant would produce 6 Million Tones of finished steel per year along with approximately 200 MW of surplus power from its 900 MW CPP at an initial investment of

Rs.13,135.02 Crores.

Orissa exports a huge quantity of iron ore at a very low price of approx US \$20 per tonne while our country imports finished products like (H.R.Coils) at an exorbitant price of around US \$500 per tonne. This results in draining of valuable foreign exchange from our country. The proposed Integrated Steel Complex would produce quality-finished steel by using latest state of the art technology to achieve critical value addition to local raw materials in a area which is considered to be economically backward in the state of Orissa. This proposed Steel Complex would go a long way in augmenting finished steel production in the state of Orissa bringing valuable and much needed revenue to the state. This proposed project would utilise local mineral resources like Iron Ore, Coal and Dolomite etc in an efficient manner for the larger benefit of the society and investors.

Initial investment of the project shall be Rs.13,135.02 Crores which includes the cost of the total land including NPV and Compensatory afforestation charges to acquire the forest Lands, Rehabilitation and Resettlement benefits to the Project Affected Persons, land development, plant & machinery, preliminary & pre-operative expenses and contingencies.

The total land required for the proposed integrated Steel Complex of M/s Jindal Steel & Power Limited would be part of Fifteen villages coming under two Tehsils namely Chendipada and Angul in the district of Angul. Water Pipeline will pass through fourteen villages of Chhendipada & Talcher Tehsil in the district of Angul. The detailed break up of land village wise is presented in Annexure-XV.

The proposed site is near to Kerjang Rly. Station of East Coast Railways which is inbetween Angul and Sambalpur and is close to NH-42 that links Sambalpur and Angul. The plant location has been decided after careful evaluation of available infrastructure facilities and considering its proximity to raw material resources. This Steel Plant will adopt Coal gasification based Direct Reduction Iron-Electric Arc Furnace (DRI-EAF) route, for production flat and round



steel products. It is the first Mega Steel Plant in India to utilise Coal Gasification (CG) based Direct Reduction Iron (DRI) technology, which is far superior to the conventional coal fired DRI technology in terms Eco-Friendly parameters. This will be a major and pioneer achievement by an Indian Industrial House to manufacture Ecofriendly Steel in large scale. A study conducted by CSIR on Coal Gasification and its Economic and Environmental Utility is presented in Annexure-IX.

A captive power plant of 900 MW in phases will be set up which is designed to take care of the Coal muddling generated from Coal washery and it will supply power to the power-intensive EAFs. This integrated steel plant will be an ultra modern plant based on utilisation of abundantly available indigenous non-coking coal and available Iron Ore. JSPL may exercise the option of generating the power through the most modern method of Integrated Cassification Combined Cycle (IGCC) Electric Power Generation, which is the recent choice in Developed Countries due to its high energy efficiency and Ecofriendly nature.

Total requirement of various raw materials is presented in the following Table

| SI.<br>Io. | Raw Materials                   | Gross Annual Requirement<br>in<br>Million Metric Tonnes |
|------------|---------------------------------|---|
| 1 Iron     | Ore Fines                       | 10.4406   |
| )2 Iron    | Ore lump (DR Grade)             | 2.4268  |
| )3 Lim     | e Stone (Pellet Grade)          | 0.145   |
| )4 Lim     | e Stone (SMS Grade)             | 0.4859  |
| 5 Dol      | lomite (SMS Grade)              | 0.4859  |
| 6 Col      | ke (Pellet Plant)               | 0.0921  |
| 7 No       | n-Coking Coal (For Power Plant) | 7.3653  |
| 8 No       | n-Coking Coal for Gasifier      | 7.0733  |

M/S Jindal Steel & Power Ltd. has planned to procure Iron Ore from OMC Ltd. & other private Iron ore mines till captive Iron ore mine is allotted to them as mentioned at page no 3 of the MOU. It has also made suitable arrangements for other raw materials like Lime Stone, Dolomite etc. from local mines. JSPL envisages meeting its partial coal requirement from the allotted Utkal B1 Coal Block in Talcher Coalfield, which is at a distance of 7 Kms from the proposed Plant site. (Annexure- 1 & V)

M/S Jindal Steel & Power Ltd. has decided to install two Nos. of Ore beneficiation plants of 4.5 MTPA capacities each at Deojhar in Keojhar District, adjacent to Deojhar Railway Station. No forest land is involved in Deojhar, therefore it is not included in the Diversion Proposal. Beneficiated Iron ore from these two plants shall be transported to the Steel Plant at Angul to meet the requirement. The Iron ore thus received shall be utilized for production of Pellet. 70% of the Pellets shall be consumed at Direct Reduction Plant (DRI) and the rest would be for sale.

Ministry of Coal, Govt. of India vide their letter No.47011/7(63)/93-CPAM/CA Dt.29.09.2003 (Annexure- V) has already allotted Utkal B1 Coal block to JSPL to meet the partial requirement of Coal for its Coal gasification and Captive Power Plant. This Coal Block



notification is inevitable for the progress and completion of the project. The layout plan of the project necessitates the usage of this forestland, as many of the strategic sections of the project will be ideally located in the forestland is presented in the proposed plant layout as enclosed from map- 6A,6B,6C,6D,6E,6F,6G,6H,6I,6J,6K,6L,6M & 6N. However, all possible steps will be taken and opportunities will be explored for preservation of Forest growth and trees as far as possible and practicable.

The forestlands involved in this proposal do not form part of any National Park, Wildlife Sanctuary or Biosphere Reserve. Further the proposed area has no importance from Archeological Point of view.

This project of Integrated Steel Complex requires 2016.787 ha in total, in the villages of Chendipada, Angul and Talcher Tehsil. Out of 2016.787 ha. 168.232 ha. Is forestland as per revenue records which are based on the 'Hal' Settlement records of 1962 and 1985 As per these records total Forest land required for divesrion is 168.232 ha. These patches of forestlands have miscellaneous species composition and characteristics of Tropical dry deciduous forest. Revenue village sheets showing the forest areas are presented in Plates no 7 to Plate no 35.

IDCO is entrusted with acquiring the land required for this industry as per the OHDC Act-1980. IDCO humbly submits and proposes for diversion this 168.232 ha. of Forest Land under the provision of Section-2 of FC Act-1980, Rule 2.h and 6.1 of FC Rules-2003, for the purpose of establishment of an Integrated Steel Plant of 6 MTPA capacity with 900 MW CPP and allied facilities by M/s Jindal Steel & Power Limited as per the MOU signed between the Govt. of Orissa and M/s Jindal Steel & Power Ltd.

Orissa Industrial Infrastructure Development Corporation (shortly as IDCO) is empowered under Orissa Industrial Infrastructure Development Corporation Act-1980 (Orissa Act 1 of 1980) to facilitate the development of Industries (Annexure-IV). Forest lands of 168.232 Hectares under this application may kindly be diverted by MoEF, GOI, under Section-2 of FC Act-1980, and of FC Rules-2003 to Jindal Steel and Power Ltd. Angul, for establishment of an Integrated Steel Plant of 6 MMTPA capacity.

(ii) Map showing the required forestland and boundary of adjoining forest on a 1:50,000-scale map.

Following maps are submitted with this Part-I of FDP for clarity and transparency.

| _ | MAPS   | Plate No |
|---|--|----------|
| - | Project Area depicted on SOI TopoSheet No. 73 H/I in 1:50,000 Scale.   | _ 1_     |
| , | Project Area depicted on SOi TopoSheet No., 73 G/4 in 1:50,000 Scale.  | 1A       |
| 3 | Current land use Map of M/s. Jindal Steel & Power Ltd for Forest Diversion Proposal at Village: Badkerjang, Appul in 1-10 000 scale (Based on Original Revenue Village Map.) | 2        |
| 4 | Proposed plant layout superimposed on a unified cadastral map in 1:10,000 scale showing the item wise break up of forest and non-forest land for each unit of Operation.     |          |
| 5 | Certified Revenue Village sheet of Village, Kantumegha, showing forest land in scale 16"=1 mile.   | 4A       |

| 6   | Certified Revenue Village sheet of Village, Talagarh showing forest land-in scale 16"=1 mite.  | 48  |
|-----|--|-----|
| 7   | Certified Revenue Village sheet of Village, Ragadiapada showing forest land in scale 16"=1 mile.                                       | 4C  |
| 8   | Certified Revenue Village sheet of Village, Kantamegha, Ragadiapada & Talagarh showing forest land of 415.71 acre in scale 16'=1 mile. | 5   |
| 9   | Certified proposed water pipe lineroute of M/S.JSPL through village-Pirakhamna showing in scale $16^{\circ}$ =1 mile.                  | 6A  |
| 10  | Certified proposed water pipe lineroute of M/SJSPL through village-Kankarei showing in scale 16"=1 mile.                               | 6B  |
| 11  | Certified proposed water pipe lineroute of M/S.JSPL through village-Bhaktipal_showing_in scale 16"=1 mile.                             | 6C  |
| 12  | Certified proposed water pipe line route of M/S.JSPL through village-Balangi showing in scale 16"=1 mile.                              | 6D  |
| 13  | Certified proposed water pipe line route of M/S.JSPL through village Bhagirahipur showing in scale 16"=1 mile.                         | 6E  |
| 14  | Certified proposed water pipe line route of M/S.JSPL through village-Khairinatii showing in scale 16"=1 mile.                          | 6F  |
| 15  | Certified proposed water pipe line route of M/S.JSPL through village-chandrabit showing in scale 16"=1 mile.                           | 6G  |
| 16  | Certified proposed water pipe line route of M/S.JSPL through village- Chandrasekharpur showing in scale 16"=1 mile.                    | 611 |
| 17  | Certified proposed water pipe line route of M/S JSPL through village-Dhobapal showing in scale 16"=1 mile.                             | 6[  |
| 18  | Certified proposed water pipe line route of M/S.JSPL through village-Bhalugadia showing in scale 16"=1 mile.                           | 6J  |
| 19  | Certified proposed water pipe line route of M/S.JSPL through village-Kumunda showing in scale 16"=1 mile.                              | 6K  |
| 20  | Certified proposed water pipe line route of M/S.JSPL through village-Muradaharipur showing in scale 16"=1 mile                         | 6L  |
| 2)  | Certified proposed water pipe line route of M/S.JSPL through village-rutubhuin showing in scale 16"=1 mile.                            | 6M  |
| _22 | Certified proposed water pipe line route of M/S.ISPL through village-Badahar showing in scale 16"-1 mile.                              | 6N  |
| 23  | Certified Revenue Village sheet of Village, Badkerjang showing forest land in scale 16"=1 mile.  | 7   |
| 24  | Certified Revenue Village sheet no.3 of Village, Badkerjang showing forest land in scale 16"=1 mile.                                   | 8A  |
| 25  | Certified Revenue Village sheet no.4 of Village, Badkerjang showing forest land in scale 16"=1 mile.                                   | 86  |
| 26  | Certified Revenue Village sheet no.5 of Village, Badkerjang showing forest land in scale 16"=1 mile.                                   | 8C  |
| 27  | Certified Revenue Village sheet of Village Sankerjang showing forest land in scale 16"=1 mile.   | 9   |
| 28  | Certified Revenue Village sheet-1 of Village Sankerjang jungle showing forest land in scale 16"=1 mile.                                | 10A |
| 29  | Certified Revenue Village sheet -2of Village Sankerjang jungle showing forest land in scale 16"=1 mile.                                | 10B |
| 30  | Certified Revenue Village sheet of Village Jamunda showing forest land in scale 16"=1 mile.  | 11  |
| 31  | Certified Revenue Village sheet-1 of Village Jamunda jungle showing forest land in scale 16"≖1 mile.                                   | 12A |
| 32  | Certified Revenue Village sheet -2of Village Jamunda jungle showing forest land in scale 16"=1 mile.                                   | 12B |
| 33  | Certified Revenue Village sheet-3 of Village Jamunda jungle showing forest land in scale 16"≪1 mile.                                   | 12C |
| 34  | Certified Revenue Village sheet -4 of Village Jamunda jungle showing forest land in scale 16"=1 mile.                                  | 12D |
| 35  | Certified Revenue Village sheet of Village Jarada showing forest land in scale 16"=1 mile.   | 13  |
| 36  | Certified Revenue Village sheet of Village Kaliakata Jungle showing forest land in scale 16"=1 mile.                                   | 14: |
| 37  | Certified Revenue Village sheet of Village Ramadihi showing forest land in scale 16"=1 mile.   | 15  |
| 38  | Certified Revenue Village sheet of Village Bhaktipal showing forest land in scale 16"=1 mile.  | 16  |
| 39  | Certified Revenue Village sheet of Village Balangi showing forest land in scale 16"=1 mile   | 17  |
| 40  | Certified Revenue Village sheet of Village Rutubhuin showing forest land in scale 16'=1 mile.  | 18  |
| 41  | Certified Revenue Village sheet of Village Bhagirathipur showing forest land in scale 16"=1 mile.                                      | 19  |
| 42  | Certified Revenue Village sheet of Village Khairinali showing forest land in scale 16"=1 mile.   | 20  |
| 43  | Certified Revenue Village sheet of Village Chandrabil showing forest land in scale 16"=1 mile.   | 21  |
| 44  | Certified Revenue Village sheet of Village Budahara showing forest land in scale 16"=1 mile.   | 22  |
|     | Commenteration and a superior at these parameters around interations are an area.  |     |

|   | ~              | ^ |
|---|----------------|---|
| / | ~ )            | 1 |
| 1 | ግዕ             | J |
| ١ | O <sub>F</sub> | 1 |
| \ |                | / |

| ~~~  |  |     |
|------|--|-----|
| i-   | Certified Revenue Village sheet -1of Village Bhalugadia showing forest land in scale 16"=1 mile.   | 23A |
| -    | 6 Certified Revenue Village sheet -2of Village Bhalugadia showing forest land in scale 16"-1 mile.   | 23B |
| -4   | Contribut Revenue vinage sheet -3 of Village Bhalugadia showing forest land in scale 16"=1 mile.   | 23C |
| 4    | Certified Reveale Village Sheet of Village Kankarei showing forest land in scale 16"-1 mile  | 24  |
| 4    | Counted Revenue vinage sneet of village Kumunda showing forest land in scale 16"=1 mile.   | 25  |
| 5    | certified revenue viriage sneet -10f village Maradahariharpur showing forest land in scale 16"=1 mile.   | 26A |
| 5    | certified Revenue Village sheet -3 of village Maradahariharpur showing forest land in scale 16"=1 mile.  | 26B |
| 5    | Contributive variage sheet of Village Chandrasekharpur showing forest land in scale 16"=1 mile.  | 27  |
| 5.   | mage sheet of vinage Disobapai showing forest land in scale 16"=1 mile.  | 28  |
| 5-   | ** The value of the value of v | 29  |
| . 55 | the value value of value bastide pur showing non-torest acquired land in scale 16"=1 mile.   | 30  |
| 50   | mile. Things sheet of village Krusmachandrapur showing non-forest acquired land in scale 16"=1   | 31  |
| 57   | * mage sheet of vimage rampur showing non-forest acquired land in scale 16"=1 mile.  | 32  |
| 58   | mage sheet of vinage bildountain showing non-forest acquired land in scale 16"=1 mile.   | 33  |
| 59   | white state 100 vinage Kanakaia snowing non-forest acquired land in scale 16"=1 mile.  | 34A |
| 60   | Certified Revenue Village sheet -2of Village Kaliakata showing non-forest acquired land in scale 16"=1 mile.   | 34B |
| 61   | Certified Revenue Village sheet of Village Paripara showing non-forest acquired land in scale 16"=1 mile.  | 35  |
| 62   | Certified Revenue Village sheet of Village-Joragadia showing ROW for Power Transmission line from Meramundali (Joragadia) to ISPL plant site in scale 16"-1 mile   | 36  |
| 63   | Certified Revenue Village sheet of Village-chauradiha showing ROW for Power Transmission line from Meramundali(Joragadia) to JSPL plant site in scale 16"=1 mile   | 37  |
| 64   | Certified Revenue Village sheet -3 of Village-Nuata showing ROW for Power Transmission line from Meramundali(Joragadia)to JSPL plant site in scale 16™=1 mile  | 38A |
| 65   | Certified Revenue Village sheet -4 of Village-Nuata showing ROW for Power Transmission line from Metamundali(Joragadia) to JSPL plant site in scale 16"=1 mile   | 38B |
| 66   | Certified Revenue Village sheet of Village-jhajiribahal showing ROW for Power Transmission line from Meramundali (Joragadia)to ISPL plant site in scale 16"=1 mile   | 39  |
| 67   | Certified Revenue Village sheet-3 of Village-Tulastipal showing ROW for Power Transmission line from Meramundal(Joragadia)i to JSPl. plant site in scale 16"—1 mile  | 40A |
| 68   | Certified Revenue Viltage sheet -4 of Village-Tulasiipal showing ROW for Power Transmission line from Meramundali(Joragadia)to JSPL plant site in scale 16"=1 mile   | 40B |
| 69   | Certified Revenue Village sheet of Village-Tulasipal jungle howing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile  | 41  |
| 76   | Certified Revenue Village sheet of Village-Baraberana showing ROW for Power Transmission line from Meramundali(Joragadia) to JSPL plant site in scale 16 "~1 mile  | 42  |
| 71   | Certified Revenue Village sheet of Village-Bandhupu showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"-1 mile   | 43  |
| 72   | Certified Revenue Village sheet -lof Village-Santri-showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 44A |
| 73   | Certified Revenue Village sheet-4 of Village-Santri showing ROW for Power Transmission line from Meramundali(Joragadia) to JSPL plant site in scale 16"=1 mile   | 44B |
| 74   | Certified Revenue Village sheet of Village-Kankainali showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 45  |
| 75   | Certified Revenue Village sheet of Village-Barasinga showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile  | 46  |
| 76   | Certified Revenue Village sheet of Village- Badibahal showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 47  |
| 77   | Certified Revenue Village sheet no.3 of Village-Rangula showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 48A |
| 78   | Certified Revenue Village sheet no.4 of Village-Rangula showing ROW for Power Transmission line from   | 48B |

|    |   | _   |
|----|---|-----|
|    | Meramundali(Joragadia)to JSPL plant site in scale 16"=1 mile  |     |
| 79 | Certified Revenue Village sheet no.5 of Village-Rangula showing ROW for Power Transmission line from Meramundali(Joragadia)to JSPL plant site in scale 16°=1 mile       | 48C |
| 80 | Certified Revenue Village sheet of Village-Samakoi showing ROW for Power Transmission line from Mcramundali (Joragadia) to ISPL plant site in scale 16"=1 mile          | 49  |
| 81 | Certified Revenue Village sheet no.1 of Village-Chheliapada showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile  | 50A |
| 82 | Certified Revenue Village sheet no.1 of Village-Chheliapada showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"—I mile  | 50B |
| 83 | Certified Revenue Village sheet no.1 of Village-Bhaluakata showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 51A |
| 84 | Certified Revenue Village sheet no. 2 of Village-Bhaluakata showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile  | 51B |
| 85 | Certified Revenue Village sheet no.3 of Village-Bhaluakata showing ROW for Power Transmission line from Meramundali(Joragadia) to JSPL plant site in scale 16"-1 mile   | 51C |
| 86 | Certified Revenue Village sheet of Village-Sabalabhajala showing ROW for Power Transmission line from Meramundali(Joragadia) to JSPL plant site in scale 16"=1 mile     | 52  |
| 87 | Certified Revenue Village sheet no.2 of Village-Saradhapur showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 53A |
| 88 | Certified Revenue Village sheet no.3 of Village-Saradhapur showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile   | 53B |
| 89 | Certified Revenue Village sheet of Village-Panchumahala showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"—1 mile      | 54  |
| 90 | Certified Revenue Village sheet of Village-Nuamouza showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile          | 55  |
| 91 | Certified Revenue Village sheet of Village-Karagaria showing ROW for Power Transmission line from Meramundali(Joragadia) to JSPL plant site in scale 16°=1 mile         | 56  |
| 92 | Certified Revenue Village sheet of Village-Kuasingha showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile         | 57  |
| 93 | Certified Revenue Village sheet of Village-Paratara showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile          | 58  |
| 94 | Certified Revenue Village sheet of Village-Jarasingha showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16'≒1 mile        | 59  |
| 95 | Cortified Revenue Village sheet of Village-Majhika showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile           | 60  |
| 96 | Certified Revenue Village sheet of Village-Benagaria showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile         | 61  |
| 97 | Certified Revenue Village sheet no.1 of Village-Mukundpur showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile    | 62A |
| 98 | Certified Revenue Village sheet no.2 of Village-Mukundpur showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile    | 62B |
| 99 | Certified Revenue Village sheet of Village-Krushnachandrapur showing ROW for Power Transmission line from Meramundali (Joragadia)to JSPL plant site in scale 16"=1 mile | 63  |
|    |   |     |

(iii) Cost of the project: Rs 13,135.020 Crores.

| Particulars                                | - | Amount (Rs. in Crores) |
|--|---|------------------------|
| Cost of Infrastructure                     |   | 1861.31                |
| Cost of Machineries                        |   | 9154.55                |
| Cost of materials                          |   | 228.69                 |
| Cost of operation                          |   | 555.000                |
| Incidental Expenses                        |   | 1335.470               |
| (Includes Compensatory Aforestation & NPV) |   |                        |
| Grand Total Investment                     |   | 13135.02               |
| Transactions                               |   | 10100.02               |

#### (iv) Justification for locating the project in forest area.

(33)

The present site for the proposed Integrated Steel Complex was decided only after examining the feasibility of establishing the said project at several other viable alternative locations in state of Orissa with close proximity to raw materials and other infrastructure facilities like water, power etc. In order to ascertain the feasibility of these alternative sites an extensive study was carried out by experts and representative of the promoting company M/s JSPL, which included site visits, discussion with local administration and people's representatives, site studies and site surveys. Based on the results of the study, the present site was chosen as the most viable option. Detailed below are the silent points of the said study site wise which shows the distinct advantage of the present location over all other locations.

#### A. Site-1: Deojhar (Keonjhar)

- a. The site is in the heart of the known Iron Ore reserves of Joda-Barbil area
- Adjacent to the Deojhar Rly. Station of SE Railways
- c. Site was located within 7 Kms of 220KV Joda GRID Substation.
- d. Though the available land was relatively flat terrain, but involved massive displacement and rehabilitation because of very dense habitation. Further the existing Nuamundi - Banspani Railway line, divided the site. Also the existing land contained around 400Ha of forestland including a major chunk of Reserve Forest.
- 400KV connectivity was not available in the Joda GRID substation, which
  is very much required for a project of this size.
- f. Though river Baitarani is situated at a distance of 8 Kms from the site, required quantity of water was not available as the Kanpur Dam project at Basudevpur is not complete.

#### B. Site-2: Talcher

- Adequate Govt. as well as private land, with flat terrain is available. It is 15 Km. from N.H.-42 and also very closed to Talcher Railway Station.
   Hence the proposed site is well linked by Rail and Road.
- The source of Water Supply is River Brahamani which flows about 15 Km, away from the proposed site.
- c. Talcher is famous for its coal deposits and allotted Utkal B1 Coal block is located at a distance of 20 Km. However Iron Ore has to be procured from

8

- Iron Ore Mines covering a distance of almost 220 Kms by road and about 350 Kms by Rail after completion of Daitari- Banspani link.
- d. However in spite of all the advantages of Talcher in terms of Close proximity to coal, Railway and Road network, source of water and power Talcher happens to be a red zone already and any additional industry at that area would further aggravate the pollution problem, which would be unacceptable as per pollution norms.

#### C. Site-3: Badkerejang

- a. Abundant government and private land is available in the area. Most of the land is not fertile and deprived from any means of irrigation. Due to the fractured strata and opening of coal mines by MCL the water table has gone down making it extremely difficult for the locals to get even drinking water during non-monsoon period. Most of the people are daily labourers and have to commute long distances everyday seeking work everyday. During the survey the locals were very helpful and extended all possible cooperation to the team which visited several times to that area.
- b. The site is adjacent to the Kerejang Railway Station of East Coast Railways between the Angul and Sambalpur broad gauge line, providing excellent rail communication to the site. Since the bulk quantity of the incoming raw material and product dispatch to the various destinations in the country is planned by rail transport, mechanical loading and unloading is envisaged
- c. The site is barely 3.1 Kms from NH-42 which is one of the best National Highways running in the state joining the National Highway No-5 and National Highway No-6 providing excellent surface transport communications to Kolkata, Chennai, Mumbai, Paradip port and other areas in the country.
- d. Abundant water is available from river Brahmani, which is at a distance of 27 Kms from the site.
- 400KV Meramundali (Joragadia) GRID substation is situated at a distance of about 38.79 Kms from the site
- f. The nearest Airport is Bhubaneswar which is about 160 Kms from the site. The Airport at Bhubaneswar is well connected to Delhi, Kolkata, Mumbai, Chennai, Hyderabad etc.

- (H)
- q. The proposed plant site is 7 Kms from the allotted Utkal B-1 Coal Block.
- Excellent telecommunication infrastructure is available at Angul, which is a district headquarter and is about 15Kms from the proposed site.

In view of all the considerations it was decided to locate the proposed Steel Complex at Badakerejang and its surrounding villages. Subsequently a MOU was signed between M/s JSPL and the Government of Orissa on 3rd November 2005 to put up a 6 MTPA steel plant with 900 MW CPP at an investment of about 13, 135 Cores at Angul District. The proposed project aims at a gainful utilisation of the mineral resources of the state and generating direct and indirect employment opportunities for the people of Orissa and Angul in particular.

#### v ) Cost-Benefit Analysis:

The Economic Analysis / Cost Benefit Analysis of the project incorporating the Socio-Economic and Environmental Cost are presented in *Annexure-XVI* and the abstract of it along with the Capita Budgeting data is presented below.

## Basic Investment and Capital Budgeting Data of the Project:

Capital Investment:

Rs.13,135.02 Crores

· Capacity:

Finished Steel of 6 MTPA Comprising a product-Mix of Structural, Flats, Rounds, Special steel along with Power of 900 MW, Commercial Coal Gas and Coal

byproducts.

· Span of Investment:

Five - Seven years

Internal Rate of Return:

14.2%

Required Rate of Return:

11.00%

Expected Price of the Unit

Rs.30, 000 or Rs.0.003 Crores per Metric Tonne (MT)

Output:

30 Years

· Project Life Cycle

30 Years

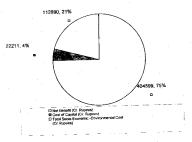
## Abstract of the Cost Benefit Analysis (Ref. Annexure-XVI)

Gross Output in 30 Years = Rs.5, 40,000 Crores (100%).



- Economic Cost of Capital = Rs. 22,211.00 Crores
- Opportunity Cost of Employment= Rs. 3472.308 Crores.
- Environmental Cost of Steel Production= 1, 08,000.00 Crores.
- Environmental Cost of Loss of Forest Cover= Rs. 85.40 Crores.
- Loss of Income due to loss of Forest =50.50 Crores.
- Socio Economic & Environmental Cost = Rs.1,12,890.00 Crores In 30 Years
- Net Benefit to Economy = Rs. 4, 04,899.00Crores.
- Socio-Economic & Environmental Benefit Cost Ratio= 3.00 Or = 300%
- Earning / Productive Efficiency of this investment = 1071%
- Domestic Product Growth Rate of Per Capita for the project benefited
   Persons = 26.2% Vs 8% at present.

Benefit-Cost Analysis of JSPL



## vi) Employment likely to be generated:

The employment potential (direct & indirect) is indicated below pertaining to the establishment of the Integrated Steel plant. It is expected that manpower requirement to produce 6 MMTPA of Steel is 21,000; @ 3,500 nos. per MMTPA. Additional manpower is required to support the steel making work force and their families.

Directly due to Steel production

21,000



Indirect Employment to support steel producing work force: 10,000

## Purpose wise breakup of Forest Land required.

A map indicating present requirement of land with Specific purpose wise break-up of Non-Forest land and Forest land is presented in maps presented in Plate No.3

## PURPOSE WISE BREAK UP OF THE LAND

|            | Details of             | FORES             |                   | TOTAL<br>FOREST         | NON-<br>FOREST        | TENANCY<br>LAND | GRAND<br>TOTAL |  |
|------------|------------------------|-------------------|-------------------|-------------------------|-----------------------|-----------------|----------------|--|
| SL.<br>NO. | Requirement            | REVENUE<br>FOREST | PRIVATE<br>FOREST | LAND<br>(in Ha)         | GOVT. LAND<br>(in Ha) | (in Ha)         | (in Ha)        |  |
| 1          | RAILWAY YARD           | 6.536             | 0.000             | 6.536                   | 31.185                | 67.319          | 105.040        |  |
| 2          | STEEL PLANT            | 78.828            | 1.453             | 80.281                  | 141.324               | 417.584         | 639.189        |  |
| 3          | COMMON<br>FACILITIES   | 3.416             | 0.000             | 3,416                   | 19,158                | 79.549          | 102.123        |  |
| 4          | COAL<br>GASIFICATION   | 4.666             | 1.153             | 5.819                   | 18.599                | 134.990         | 159.408        |  |
| 5          | POWER PLANT            | 4.339             | 0.635             | 4.974<br>4.650<br>0.000 | 12.169                | 236.853         | 253.996        |  |
| 6          | ASH POND               | 4.650             | 0.000             |                         | 37.687                | 203.158         | 245,495        |  |
| 7          | WATER<br>RESERVOIR     | 0.000             | 0.000             |                         | 33.799                | 67.372          | 101.171        |  |
| 8          | ROAD                   | 0.000             | 0.453             | 0.453                   | 2.036                 | 18.138          | 20.627         |  |
| 9          | GREEN BELT             | 57,971            | 0.000             | 57.971                  | 127.354               | 183.337         | 368.662        |  |
| 10         | WATER PIPE<br>LINE     | 3.945             | 0.187             | 4.132                   | 8.616                 | 8.328           | 21.076         |  |
| 11         | TRANSMISSION<br>LINE** |                   |                   |                         | -                     |                 |                |  |
|            | TOTAL AREA             | 164.351           | 3.881             | 168.232                 | 431.927               | 1416.628        | 2016.787       |  |

<sup>\*\*</sup> N.B. No land will be acquired for the transmission line. Only R.O.W. agreement with the land owner will be done to Passover the transmission line. The transmission does not pass through forest land.

## 3. Details of Displacement of people due to the Project, if any

| i)·  | Number of families   | Displaced Families 261 Nos.  |
|------|--|--|
| ii)  | Number of Houses   | Thatched Houses 158 Nos.   |
| iii) | A. Number of Scheduled Castes Families B. Scheduled Tribe families | 67 Nos.<br>45 Nos.   |
| iv)  | Rehabilitation plan. (to be enclosed)                              | R & R Plan prepared by Land Acquisition.  Officer, Angul, which is duly submitted to the Govt is enclosed herewith as Annexure-XIV |

 Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No).

Yes, it is required. At present NOC of Consent to establish has been obtained from OSPCB, Bhubaneswar as presented in Annexure –XI. Rapid EIA, EMP report & environment clearance of Gol,MOEF enclosed at Annexure- XII.

Undertaking to bear the cost of raising and maintenance of compensatory
afforestation and/or penal compensatory afforestation as well as cost for
protection and regeneration of Safety Zone, etc. as per the scheme
prepared by the State Government. (Undertaking to be enclosed)

We do hereby undertake to bear the cost of Compensatory Afforestation as would be fixed by the State and Central Government. We also do here by undertake to pay the Net Present Value (NPV) of the proposed Forest Land to be diverted and any other statutory payments or cost towards the stipulations fixed by MOEF GOI and Govt. of Orissa for the conservation of Environment and Forest, which is related to the establishment of this project. Annexure-XIX(A) & undertake to pay all statutory payments for wildlife management plan Annexure-XIX(B)

Land required for Compensatory Afforestation is already identified and necessary permissions have been obtained from the revenue authorities to take up compensatory afforestation.

 Details of Certificate/documents enclosed as required under the instructions.

Following Certificates, Documents and Maps are enclosed herewith for comprehension and clarity.

|   | List of Enclosures (Details of Certificates and Documents), Submitted with Part  | Annexure |
|---|--|----------|
| 1 | <ul> <li>Las Annexures.</li> <li>Memorandum of Understanding signed between the Government of Orissa and Jindal</li> </ul> |          |

|    | >~                       |
|----|--------------------------|
| 1. | $\langle \gamma \rangle$ |
| 16 | 18,                      |
| V  |                          |

|    | Steel and Power Ltd Angul.  |   |               |
|----|---|---|---------------|
| 2  | Memorandum & Article of Associations of the Company IPICOL's investment Tech. appraisal)  |   |               |
| 3  | Investment and Techno – Economic Appraisal along with the advice to acquire land;   | nomic Appraisal along with the advice to acquire land; III                                  |               |
| 4  | Copy of the Orissa Gazette Notification of OIIDC Act-1980 (IDCO Act), empowering IDCO to acquire lands for Industries   | IV  |               |
| 5  | Allocation of Coal Block By Ministry of Coal, GOI. New Delhi.   |   | ٧             |
| 6  | Consent of WR Dept. to supply water.  |   | VI            |
| 7  | Consent of OPTCL to supply power.   |   | VIE           |
| 3  | Rail transport Clearance from Railway Board.  |   | VIII          |
| 9  | Copy of the CSIR Study report regarding the Ecological and Economical benefit of  | İX  |               |
| 10 | Coal Gasification and its utility in Steel Making through DRI Route.  Copy of proceedings of Public hearing by OSPCB for establishment of an Integrated   | x   |               |
|    | Steel Plant by JSPL Angul.  | XI  |               |
| 11 | NOC of Consent to establish the integrated steel plant by JSPL from OSPC8  EIA Report and EMP of the JSPL duly submitted to OSPCB and MoEF, Gol.  | XII   |               |
| 13 | Copy of the application for Environment clearance for establishment of the integrated   |   |               |
| 14 | steel plant by JSPL, from MoEF, GOI  Copy of the Rehabilitation and Resettlement Plan duly prepared by LAO, Angul and submitted to the Collector, Angul & Joint Secretary to Govt, Rev. & Disaster Management Deptt, Govt, of Orissa. | XIV   |               |
| 15 | Land schedule of the Total project area of Jindal Steel and Power Ltd. Angul duly authenticated by the concerned Tehesitdar of Angul, Chendipada and Talcher, and Manager (Land) IDCO.  | XV  |               |
| 16 | Benefit cost analysis of the JSPL project considering Socio-Economic and Environmental cost.  | xvi   |               |
| 17 | Parameters of Evaluation of Loss of Forest (As per MoEF's guidelines in Annexure-VI (b)   | XVII  |               |
| 18 | Parameters of Evaluation of Benefits not withstanding the Loss of Forest (As per MAFE's quideline in Annexure-VI(c)).   | XVIII   |               |
| 19 | Undertaking to pay all Statutory Payments to acquire the Forest land and to prevent<br>Environmental Degradation due to the establishment of an integrated Steel Plant by<br>ISPL Angul.  |   | IX(A)         |
| 20 | Undertaking to pay all Statutory Payments for Wildlife Management Plan.   | XIX(B)  |               |
| 21 | Company Board's Authorization regarding Power of Attorney Holder.   |   | XX            |
|    | MAPS  | PLAT  |               |
| 22 | Project Area depicted on SOI Topo Sheet No.73 D/13, 73 H/1 & 73 G/4 in 1:50,000 Scale   | Project Area depicted on SOI Topo Sheet No.73 D/13, 73 H/1 & 73 G/4 in 1:50,000 Scale. 1-4A |               |
| 23 | Current land use Map of M/s. Jindal Steel & Power-Ltd for Forest Diversion Proposal at Village:   |   | 2             |
| 24 | Proposed plant layout superimposed on a unified cadastral map in 1:10,000 scale showing me  |   | 3             |
| 25 | 6 Certified Revenue Village sheet of Village, Kantamegha, Talagarh & Ragadiapada Showling forest land in scale 16*=1 mile.  |   | 4A, 4B,<br>4C |
| 26 | a struction and 407=4 miles   |   | 5             |
| 27 | 14 000 Scale (14 Sheets - 6A, 6B, 6C, 6D,   |   | 6A 6N         |
| -  | Part of Village Backeriang showing forest land in scale 16'=1 mile.   |   | 7             |
| 28 | Certified Revenue Village sheet of Village, Baukerjang showing forest land in Certified Revenue Village sheets (3nos)) of Village, Badkerjang jungle showing forest land in   |   | 8A, 8B,       |
| 29 | Certified Revenue Village Sheets (5/05)/ 67 Villags, 2-24-4-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7   |   | 8C            |

|    | Controlling showing forest land in scale 16"=1 mile.   | 9   |  |
|----|--|---|--|
| 0  | Certified Revenue Village sheet of Village Sankerjang showing forest land in scale 16"=1 mile.  Certified Revenue Village sheets (2nos) of Village Sankerjang jungle showing forest land in  | 10A, 10B  |  |
| 31 | scale 16"=1 mile.  |   |  |
| 2  |  |   |  |
| 33 | Certified Revenue Village sheet of village Jamunda jungle showing forest land in scale<br>Certified Revenue Village sheets (4nos) of Village Jamunda jungle showing forest land in scale<br>16*=1 mile.  | 12B,<br>12C, 12D  |  |
|    |  | 13  |  |
| 35 | Certified Revenue Village sheet of Village Jarada showing forest land in scale 16"=1 mile.  Certified Revenue Village sheet of Village Kaliakata Jungle showing forest land in scale 16"=1   | 14  |  |
| 36 | Certified Revenue Village sheet of Village Kallakata 301/g/s and in scale 16"=1 mile.  | 15  |  |
| 37 | mile.  Certified Revenue Village sheet of Village Ramadihi showing forest land in scale 16"=1 mile.  | 6   |  |
| 38 |  | 17  |  |
| 39 | Certified Revenue Village sheet of Village Balangi showing forest land in scale 16°=1 mile.<br>Certified Revenue Village sheet of Village Balangi showing forest land in scale 16°=1 mile.<br>Certified Revenue Village sheet of Village Rutubhuin showing forest land in scale 16°=1 mile.  | 18  |  |
| 40 | Certified Revenue Village sheet of Village Rutubrium showing forest land in scale 16"=1 Certified Revenue Village sheet of Village Bhagirathipur showing forest land in scale 16"=1  |   |  |
| 41 | Certified Revenue Village sneet of Village sneet of Village sneet land in scale 16"=1 mile.  | 20  |  |
| 42 | mile.  Certified Revenue Village sheet of Village Khairinall showing forest land in scale 16"=1 mile.  | 21  |  |
| 43 | Certified Revenue Village sheet of village Chandrabil showing forest land in scale 16"=1 mile.  Certified Revenue Village sheet of Village Chandrabil showing forest land in scale 16"=1 mile.  Certified Revenue Village sheet of Village Badahara showing forest land in scale 16"=1 mile. | 22  |  |
| 44 | Certified Revenue Village sheet of Village Baddinia showing forest land in scale<br>Certified Revenue Village sheets (3nos) of Village Bhalugadia showing forest land in scale   | 23A,<br>23B, 23C  |  |
| 45 | Certified Revenue Village sheets (5/05) of Village 16"=1 mile.   | 24  |  |
| 46 | a tract of Village Kankarei showing forest land in scale 19  | 25  |  |
| 47 | true - the of of village Kumunda snowing lorest tand in the  | 26A, 26E  |  |
| 48 | Certified Revenue Village sheets (2nos) of village Maradanamarpar sheets   | 27  |  |
| 49 | scale 16"=1 mile.  Certified Revenue Village sheet of Village Chandrasekharpur showing forest land in scale  |   |  |
| _  | 16'=1 mile.  Certified Revenue Village sheet of Village Dhobapal showing forest land in scale 16'=1 mile.  | 28  |  |
| 50 | Centified Keverius Village sheet of Village  | 29  |  |
| 51 | Certified Revenue Village sheet of Village Pirakhaman showing forest land in scale 16"=1 mile.   | eet of Village Pirakhaman showing forest land in scale 10 - 7 mile. |  |

|     |  | PLATE NO.      |
|-----|--|----------------|
| 52  | Certified Revenue Village sheet of Village Basudevpur showing non-forest acquired land in scale 16"=1 mile.  | 30             |
| 53  | Certified Revenue Village sheet of Village Krushnachandrapur showing non-<br>forest acquired land in scale 16"=1 mile.                             | 31             |
| - T | (Haren   |                |
| 54  | Certified Revenue Village sheet of Village Paripara showing non-forest acquired land in scale 16"=1 mile.  | 35             |
| 55  | Certified Revenue Village sheet of Village Panptif showing non-forest acquired land in scale 16"=1 mile.   | 32             |
| 56  | Certified Revenue Village sheet of Village Bhubanpur showing non-forest acquired land in scale 16"=1 mile.   | 33             |
| 57  | Certified Revenue Village sheet of Village Kaliakata showing non-forest acquired land in scale 16"=1 mile.   | 34 A 9         |
| 58  | Certified Revenue Village sheet of 28 Villages showing ROW for Power<br>Transmission line from Meramundali to JSPL plant site in scale 16"=1 mile. | 36- 6 <b>3</b> |

#### Submitted to IDCO by

#### Applied by

Sri S.K. Sharma

D.G.M (L& A)

M/s. Jindal Steel & Power Ltd.

Angul , Orissa.

Sri Prafulla Kumar Mallick, IFS

Dy. Conservator of Forests. IDCO,

IDCO, IDCO Towers, Janpath,

Bhubaneswar-751022

Place: Bhubaneswar Date: 10-11-2006

State serial No: 💯 🌣 🖟 🐧 Date: 🐧 🏗 🗇 ১৯%

(To be filled up by the Nodal Officer with date of receipt)



| 6.52 | Certified Revenue Village sheet of Village Basudevpur showing non-forest acquired land in scale 16"=1 mile.  | XXXXXII   |  |
|------|--|-----------|--|
| 6.53 | Certified Revenue Village sheet of Village Krushnachandrapur showing non-<br>forest acquired land in scale 16 = 1 mile.                            |           |  |
| 6.54 | Certified Revenue Village sheet of Village Maratira showing non-forest acquired land in scale 16"=1 mile.  |           |  |
| 6.55 | Certified Revenue Village sheet of Village Paripara showing non-forest acquired land in scale 16"=1 mile.  | XXXXXV    |  |
| 6.56 | Certified Revenue Village sheet of Village Panpur showing non-forest acquired land in scale 16"=1 mile.  | XXXXXVI   |  |
| 6.57 | Certified Revenue Village sheet of Village Bhubanpur showing non-forest acquired land in scale 16"=1 mile.   | XXXXXVII  |  |
| 6.58 | Certified Revenue Village sheet of Village Kaliakata showing non-forest acquired land in scale 16"=1 mile.   | XXXXXVIII |  |
| 6.59 | Certified Revenue Village sheet of 28 Villages showing ROW for Power<br>Transmission line from Meramundali to JSPL plant site in scale 16"=1 mile. | XXXXX X   |  |

## Submitted to IDCO by

Applied by J Rethor Click

Sri S.K. Sharma

D.G.M (L& A)

M/s. Jindal Steel & Power Ltd.

Angul , Orissa.

Sri Prafulla Kumar Mallick, IFS

Dy. Conservator of Forests. IDCO,

IDCO, IDCO Towers, Janpath,

Bhubaneswar-751022

Place: Bhubaneswar Date: 10-11-2006

State serial No: 2.62/06 Date: | . | 2.206

(To be filled up by the Nodal Officer with date of receipt)



# PART – II (To be filled by the concerned Deputy Conservator of Forests) State Serial No of Proposal 202/06 Dt. 1.12.06

| 7    | Location of the Project/Scheme   | Topo Sheet No.73D/I<br>20 <sup>0</sup> 51'25"N to 21 <sup>0</sup> 04'<br>84 <sup>0</sup> 56'35"E to 85 <sup>0</sup> 08' |                              |  |
|------|--|---|------------------------------|--|
| i    | State/Union territory  | ORISSA  |                              |  |
| ii   | District   | Angul   |                              |  |
| iii  | Forest Division  | Angul Forest Division   | 1                            |  |
| iv   | Area of forest land proposed for   | Steel Plant   | - 80.281 ha.                 |  |
|      | diversion (in ha.)   | Coal Gassification  | - 5.819 ha.                  |  |
|      |  | Power Plant   | - 4.974 ha.                  |  |
|      |  | Ash Pond  | - 4.650 ha.                  |  |
|      |  | Railway Yard  | - 6.536 ha                   |  |
|      |  | Approach Road to  |                              |  |
|      |  | NH 42 & SH 63   | - 0.453 ha                   |  |
|      | 1  | Water Pipe line   | - 4.132 ha                   |  |
|      |  | Common Facility   | - 3.416 ha                   |  |
|      |  | Green Belt  | - 57.971 ha                  |  |
|      |  | Total   | - 168.232 ha                 |  |
| v    | Legal Status of the Forest   | Grayma Jungle   | - 3.646 ha                   |  |
|      |  | Chhota Jungle   | - 135.661 ha                 |  |
|      |  | Jungle  | - 2.193 ha                   |  |
|      |  | Jungle- II  | - 2.699 ha                   |  |
|      |  | Bada Jungle   | - 4.504 ha                   |  |
|      |  | Rakhita Jungle  | - 0.149 ha                   |  |
|      |  | Patra Jungle  | - 2.606 ha                   |  |
|      |  | S.F.P. Plantation   | - 16. 774 ha                 |  |
|      |  | Total   | - 168.232 ha                 |  |
| vi   | Density of vegetation  |   | rs of patches and density in |  |
|      |  |   | ttion patch of 16 ha. varies |  |
|      |  |   | patches to 0.6. However, the |  |
|      |  | overall density will be around 0.2.   |                              |  |
| vii  | Species wise ( Scientfic names) and  |   | on is enclosed at page 26 &  |  |
|      | diameter class wise enumeration of   |   | l detailed enumeration in    |  |
|      | trees (to be enclosed). In case of   | separate booklet in two   | o volumes.                   |  |
|      | irrigation/ hydel projects enumeration                                       |   |                              |  |
|      | at FRI, FRL-2 meter & FRL-4 meter  |   |                              |  |
|      | also to be enclosed)   | TD 1 1 1 1 1  |                              |  |
| viii | Brief note of vulnerability of the forest                                    |   | vulnerable to all types of   |  |
|      | area to erosion  |   | t, rill and gully type of    |  |
| ix   | Annual distance of the second second   | crosion   | - E to Vi ODC                |  |
| IX   | Approximate distance of proposed site for diversion from boundary of forest  |   | adjacent to Kerjang PRF.,    |  |
|      | Whether forms part of National Park,   | Durgapur R.F. and Ma  |                              |  |
| X    | Wildlife Sanctuary, Biosphere Reserve,                                       | The applied area does not form the part of  |                              |  |
|      |  | National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve and Elephant Corridor.                              |                              |  |
|      | Tiger Reserve, Elephant Corridor etc.<br>(if so, the details of the area the | Reserve, Tiger Reserv   | e and Elephant Corridor.     |  |
|      | comments of the Chief Wildlife   |   |                              |  |
|      | Warden to be annexed)  |   | i                            |  |
|      | warden to be annexed)  |   |                              |  |



| Division/District profile                  |   |
|--|---|
| Geographical area of the district          | 6375.00 Sq. K.M. ( As per statistic report 2005   |
| Forest area of the district                | 271692 (0) 1  |
| Total forest area diverted since 1980      |   |
|  | 2270,907ha in 32 cases  |
| stipulated in the district/ division since | 31.3.07   |
| 1980 on 04.1.08                            |   |
| (a) Forest land including penal            | 1157.754 ha.  |
|  | 1974.8500   |
|  | 710.36 ha. 795, Yadha   |
| Progress of compensatory Afforestation     | 31.3.07   |
| as on ot troe                              |   |
| (a) Forest Land                            | 684.464 ha: 1956.85 ha  |
| (b) Non forest land                        | 700.36 ha 775 420 ha  |
| Specific recommendation of the DCF         | The forest land identify 1  |
| for acceptance or otherwise of the         |   |
| proposal with reasons.                     | between non forest lands and thus its requirement is  |
|  | unavoidable. Hence, the area asked for diversion is recommended.  |
|  | Geographical area of the district  Forest area of the district  Total forest area diverted since 1980 with number of cases.  Total compensatory Afforestation stipulated in the district division since 1980 on 2012 o 8  (a) Forest land including penal compensatory Afforestation  (b) Non forest land  Progress of compensatory Afforestation as on 2012 of 2012  (a) Forest Land  (b) Non forest land  Specific recommendation of the DCF for acceptance or otherwise of the |

Divisional Egrast officer
Angul Division.

Official Seal:

Date: 26.5.07
Place: Angul

#### FORM-A PART-III

### (To be filled by the concerned Conservator of Forests)

| 14. Whether the site, where the forest land involved is located has been inspected by the concerned Conservator of Forests (Yes/No.) If yes, the date of inspection and observation made in form of inspection note to be enclosed: | Yes. The site is inspected on 13.08.2007. The site inspection report is enclosed herewith as Annexure XXXXXIX. Pg 2.884. |
|---|--|
| 15. Whether the concerned Conservator of Forests agree with the information given in Part-II and the recommendations of Deputy Conservator of Forests:  | Yes.   |
| 16. Specific recommendations of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons:   | Recommended for acceptance.  |

Date: 03.10.2007

Place: Angul.

Signature:

Name: (R.NAGARAJA REDDY, IFS)

Official Seal: Comment of worth

Align coule



#### PART-V

( To be filled in by the Secretary in charge of Forest Department or any other authorized officer of the State Government not below the rank of an Under Secretary)

18. Recommendation of the State Government.

(Adverse comments made by any officer or authority in Part-B or Part-C or Part-D above should be specifically commented upon)

mecommended for diversion of 168.232ha, of forest land for the project

Name & Besignation (Official Seal) (PM. PADHI)

Special Secretary to Govt. Forest & Enve Degit