

**ANNEXURE****(See Rule 6)****Form –A****Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities.**

PART-1 (To be filed up by User Agency)

| 1                 | Short narrative of the proposal and project/scheme for which the forest land is required.   | :             | <p>The Project i.e. 132kV D/C Bahragoda Dhalbhumgarh Transmission line is constructed by Jharkhand Urja Sancharan Nigam Limited, a state Transmission Utility. The project is connected between newly constructed Bahragoda Substation from existing Dhalbhumgarh Substation. It will transfer power and will fed to small grade substations will eventually will fed to village to fulfill their power supply demand.</p> <p>The project is passing through 3 blocks of East Singhbhum District and 1 Range of Jamshedpur forest division. Total Forest land involved in the project is 8.763 Ha.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |              |               |               |                   |        |       |       |                   |       |        |        |
|-------------------|---------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------|---------------|-------------------|--------|-------|-------|-------------------|-------|--------|--------|
| (i)               | Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map. | :             | Map showing the forest and the Transmission route on Topomap (1:50000) and village maps (1:3960) are enclosed. The DGPS Survey data map is also enclosed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |              |               |               |                   |        |       |       |                   |       |        |        |
| (iii)             | Cost of the project                                                                         | :             | Rs 1929 Lakh approx.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |              |               |               |                   |        |       |       |                   |       |        |        |
| (iv)              | Justification for locating the project in forest area                                       | :             | <p>The 132kV D/C Bahragoda Dalbhumgarh Transmission Line, 32.145Km Line length is passing through 27 villages in Chakulia, Bahragoda and Dhalbhumgarh Blocks of East Singhbhum District.</p> <p>Out of these forest is encountered in 8 villages to an extent of 8.763 Ha which is equivalent to 3.245Km of line length. The complete forest is located in Chakulia Range of Jamshedpur forest division.</p> <p>Since East Singhbhum compromise of recorded forest on over 30% of geographical area, hence completely avoiding of forest was not possible.</p> <p>We opted 3 alternate feasible route on Google and conducted the walkover survey on all of these route.</p> <p>A detail comparison of all the three alternative is as below:</p> <table border="1"><thead><tr><th>Description</th><th>Alternate -I</th><th>Alternate -II</th><th>Alternate III</th></tr></thead><tbody><tr><td>Line Length in Km</td><td>32.145</td><td>30.86</td><td>31.68</td></tr><tr><td>Forest area in Ha</td><td>8.763</td><td>12.015</td><td>14.526</td></tr></tbody></table> | Description | Alternate -I | Alternate -II | Alternate III | Line Length in Km | 32.145 | 30.86 | 31.68 | Forest area in Ha | 8.763 | 12.015 | 14.526 |
| Description       | Alternate -I                                                                                | Alternate -II | Alternate III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |              |               |               |                   |        |       |       |                   |       |        |        |
| Line Length in Km | 32.145                                                                                      | 30.86         | 31.68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |              |               |               |                   |        |       |       |                   |       |        |        |
| Forest area in Ha | 8.763                                                                                       | 12.015        | 14.526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |              |               |               |                   |        |       |       |                   |       |        |        |

Electrical Executive Engineer  
Transmission Division Gomuati  
Jamshedpur-4

|                          |                                                              |               | Referring to the above comparative statement for alternative routes, all the three routes are positioned on either side of BEE line. After initial inspection over survey of India maps and satellite image, all three routes were explored for best and optimal route. Special attention has been given to forest, power line crossings, Road crossings and Railway crossings and habitation. After detail analysis Route 1 has been observed as most viable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
|--------------------------|--------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|---------------|---------------------------|------------------|------------|----|---|----|---|----|---------|----|-------|--------------|---|----|---|--|-------|---------|--|-------|-----------|---------|-------------|--------------------|--------|----------|--------------------------|---------|----------|
| (v)                      | Cost-benefit analysis (to be enclosed)                       | :             | As per MoEF Guideline, Cost Benefit analysis is not required for projects where area in forest is below 20Ha in plain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| (vi)                     | Employment likely to be generated                            | :             | Two type of employment will be generated<br><br>1. Permanent Employment: 5 Nos of employee will be engaged during the course of construction and thereafter for the maintenance of transmission Line.<br><br>2. Temporary Employment: 200 workforce (Skilled, semiskilled and unskilled) will be required for 200 Days for 1.5year which will be equivalent to $200 \times 200 \times 1.5 = 60000$ man days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| 2                        | Purpose-wise break-up of the total land required             | :             | <p>After working out various alternative Alignments, the diversion of forest land to the minimum requirement is worked out. The details of the forest land proposed for diversion for construction of 132kV D/C Bahragoda Dhalbhumgarh Transmission line is as below:</p> <table><tr><th>Division</th><th>Type of Forest</th><th>Length in Mtr</th><th>ROW as per MoEF Guideline</th><th>Total Area in Ha</th></tr><tr><td rowspan="3">Jamshedpur</td><td>RF</td><td>0</td><td>27</td><td>0</td></tr><tr><td>PF</td><td>3245.55</td><td>27</td><td>8.763</td></tr><tr><td>Jungle Jhari</td><td>0</td><td>27</td><td>0</td></tr><tr><td></td><td>Total</td><td>3245.55</td><td></td><td>8.763</td></tr></table><br><table><tr><th>Component</th><th>Nos/ROW</th><th>Area in Ha.</th></tr><tr><td>Transmission Tower</td><td>18 Nos</td><td>0.180 Ha</td></tr><tr><td>ROW of Transmission Line</td><td>27 Mtrs</td><td>8.583 Ha</td></tr></table> | Division         | Type of Forest | Length in Mtr | ROW as per MoEF Guideline | Total Area in Ha | Jamshedpur | RF | 0 | 27 | 0 | PF | 3245.55 | 27 | 8.763 | Jungle Jhari | 0 | 27 | 0 |  | Total | 3245.55 |  | 8.763 | Component | Nos/ROW | Area in Ha. | Transmission Tower | 18 Nos | 0.180 Ha | ROW of Transmission Line | 27 Mtrs | 8.583 Ha |
| Division                 | Type of Forest                                               | Length in Mtr | ROW as per MoEF Guideline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Total Area in Ha |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| Jamshedpur               | RF                                                           | 0             | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
|                          | PF                                                           | 3245.55       | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8.763            |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
|                          | Jungle Jhari                                                 | 0             | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
|                          | Total                                                        | 3245.55       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8.763            |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| Component                | Nos/ROW                                                      | Area in Ha.   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| Transmission Tower       | 18 Nos                                                       | 0.180 Ha      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| ROW of Transmission Line | 27 Mtrs                                                      | 8.583 Ha      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| 3                        | Details of displacement of people due to the Project, if any | :             | Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| (i)                      | Number of families                                           | :             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |
| (ii)                     | Number of scheduled casts/ Scheduled Tribe Families          | :             | Does not arise as there are no displacement of the people in the project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                |               |                           |                  |            |    |   |    |   |    |         |    |       |              |   |    |   |  |       |         |  |       |           |         |             |                    |        |          |                          |         |          |

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|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Whether clearance under Environment (Protection) Act.1986 required (Yes/No)                                                                                                                                                                            | : | Transmission line do not require Environment Clearances                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5 | 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 | : | Enclosed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 6 | Details of Certificates / Documents enclosed as required under the instructions                                                                                                                                                                        | : | <ul style="list-style-type: none"> <li>❖ Justification for locating the Project inside the Forest Land</li> <li>❖ Undertaking for depositing the funds towards raising and maintenance of Compensatory afforestation.</li> <li>❖ Undertaking for depositing the funds towards payment of Net Present Value (NPV) and Additional NPV</li> <li>❖ Certificate of Area Minimum of forest land</li> <li>❖ Detailed statement requirement of forest land</li> <li>❖ Map in SI sheet showing the forest land</li> <li>❖ ETS &amp; DGPS/GNSS survey data for forest land proposed for diversion</li> <li>❖ Certificate for non-violation of Forest (Conservation) Act, 1980 ..... etc</li> </ul> |

**Date:** 24/08/2018

**Place:** Jamshedpur

**Signature**

:

  
Electrical Executive Engineer  
Transmission Division Golmuri  
Jamshedpur-4

**Name in Block Letter**

:

**ASHWINI KUMAR KACHHAP**

**Designation**

:

**Electrical Executive Engineer  
Transmission Division, Golmuri**