

# JHARKHAND URJA SANCHARAN NIGAM LIMITED (JUSNL)

## 220kV D/C JASIDIH – GIRIDIH TRANSMISSION LINE

### FORM – A PART – I

#### 1. PROJECT DETAILS:-

(i) Short narrative of proposals & project for which forest land is required

JUSNL (Jharkhand Urja Sancharan Nigam Limited) is primarily entrusted for the construction and successful operation of High Voltage Transmission lines with a mission to form a Grid network to facilitate effective transfer of power within the State. The scheme is for construction of **220kV D/C Jasidih - Giridih** Transmission line. The proposed Transmission line shall connect the newly constructed 220/132/kV Sub-Station at Jasidih (Village:- Ratandih) in Deoghar district and 220/132/33/kV Sub-Station at Giridih (Village:- Karharbari) in Giridih district of Jharkhand state.

The line traverses through Deoghar, Devipur & Madhupur blocks in Deoghar district and Bengabad & Giridih blocks in Giridih district. The line shall be utilized for transfer the power from 220/132/kV Jasidih Sub-Station to 220/132/33/kV Giridih Sub-Station. The line shall also be an important link of the Sariya, Jamua, Birni, & Bengabad blocks in Giridih district. This line is very much vital in view of strengthening of transmission system in the district of Deoghar & Giridih. Therefore, the power transmitted through this line will boost the Industrial, Commercial, Domestic and Agricultural growth of total Giridih district. In this way this will lead to accelerate the development of economy of the district of Deoghar & Giridih as well as Jharkhand State as a whole. Some portion of the line passing through Forest and Jungle Jhari (JJ) of **Deoghar and Giridih East Forest divisions** where a corridor of **35mtr.** shall be utilized for construction of the said line, as well as maintaining statutory electrical clearance for safe operation.

During selection of route alignment of transmission line, necessary survey has been carried out to avoid forest land. The proposed transmission line is passing through **Deoghar & Giridih East Forest Divisions** with total length of **76.46364 KM**.

For erection of 220kV D/C Transmission line with the span of **17.5 mtr.** on either side of the center line, total area of land involvement is **267.62274 Ha**. Out of this total area, the area **22.5599 Ha.** is coming under Forest land, **31.1905 Ha.** is coming under Jungle Jhari land, and **(179.93934 Raity+33.9330 GM)= 213.87234 Ha.** is coming under Non-Forest land.

SL. NO	NAME OF FOREST DIVISION	TOTAL LENGTH (KM)	TOTAL AREA (Ha)	JUNGLE JHARI (Ha)	FOREST LAND (Ha)	GM LAND (Ha)	RAITY LAND (Ha)
1	DEOGHAR	40.12272	140.42952	4.5705	8.3909	16.2210	111.24712
2	GIRIDIH EAST	36.34092	127.19322	26.6200	14.1690	17.7120	68.69222
TOTAL=		76.46364	267.62274	31.1905	22.5599	37.086	179.93934



	<p>The proposal is submitted for <b>SL. No. 1 &amp; 2.</b></p> <p>The villages in which forest area is proposed to be diverted are annexed as Annexure:- I, for Forest land and Jungle Jhari land.</p> <p>Due care and precaution has been taken to eliminate forest and the possibilities of the other alternatives were also explored. This is the minimum required forest area for diversion.</p> <p>All the forest land coming in the alignment which is given <b>GREEN</b> and Jungle Jhari land given <b>ORANGE</b> colour demarked on Geo-reference map of Annexure :-XII.</p>
(ii) Maps showing the required forest land, boundary of adjoining forest land on a 1:50000 scale map	<p>(a) Survey of India Topo sheet map in scale of 1: 50000 is annexed as Annexure :- <b>XIII</b>, The Final Route alignment has been shown in <b>VIOLET</b> colour on the maps, the alternative Route- R2 is marked in <b>GREEN</b> and Route- R3 in <b>RED</b>.</p> <p>(b) The cadastral maps of the concerned Notified Forest and Jungle Jhari land has been annexed as Annexure:-<b>XIV</b>, showing Forest land in <b>GREEN</b> and Jungle Jhari land in <b>ORANGE</b> colour.</p>
(iii) Cost of Project	The estimated cost of the project is Rs. <b>5850</b> Lacks.
(iv) Justification of locating the project in forest area	<p>All possible alternatives have been explored to reduce the requirement of forest land. While finalizing the route of the line, best attempts have been made to avoid Reserved Forests and Protected Forests coming on the way keeping in view the techno-economical requirements.</p> <p>The proposed line is passing through <b>8.3909 Ha.</b> of Forest and <b>4.5705 Ha.</b> of Jungle Jhari land under <b>Deoghar</b> and <b>14.1690 Ha.</b> of Forest and <b>26.6200 Ha.</b> of Jungle Jhari land under <b>Giridih East Forest Divisions</b>. The said forest cannot be avoided because of dense habitation and villages on either side of the proposed route. The above forest land is minimum requirement for the construction of the proposed line.</p>
(v) Cost Benefit Analysis	Enclosed as Annexure : - <b>IV</b>
(vi) Employment likely to be generated	<p>For construction of the transmission line there will be huge employment potential. Around <b>300</b> people will be engaged continuously for <b>18</b> months during construction of the line. Also employment opportunities will be opened on the beneficiary Agricultural and Commercial sector. In course of construction local contractor will be benefited to a large extent.</p>

## 2. Purpose wise break up of the total land required:-

SL. NO.	NAME OF FOREST DIVISION	TOTAL FOREST LAND IN (Ha)	CONSTRUCTION OF TOWERS AREA		LAYING AREA OF 220kV D/C JASIDIH-GIRIDIH- T/L (Ha)
			NOS.	AREA (Ha)	
1	DEOGHAR	12.9614	27	1.8900	11.0714
2	GIRIDIH EAST	40.7890	14	0.9800	39.8090
<b>TOTAL:-</b>		<b>53.7504</b>	<b>41</b>	<b>2.8700</b>	<b>50.8804</b>



3. Details of Displacement of people due to this project, if any  
No

4. Number of family

(i) Number of Scheduled Caste / Scheduled Tribe family	Nil
(ii) Rehabilitation Plan (to be enclosed)	N/A
(iii) Whether clearance under Environment (Protection) Act, 1986 required	Not required.

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 Zones etc. as per the scheme prepared by the State Government. (Undertaking to be enclosed)

	Undertaking furnished by the competent authority enclosed as Annexure:- II
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6. Details of certificates / documents enclosed as required under the instructions:-


(i) Schedule of land annexed as Annexure:- I
(ii) Undertaking regarding compensatory afforestation scheme by the competent authority annexed as Annexure:- II
(iii) Undertaking regarding payment of NPV as Annexure:- III
(iv) Cost benefit analysis annexed as Annexure:- IV
(v) MOU (In between Jharkhand State Govt. and JUSNL) annexed as Annexure:- V
(vi) GOI Notification regarding Environment clearance annexed as Annexure:-VI
(vii) Lay out elevation & plan annexed as Annexure:-VII
(viii) Jungle Jhari plots certification concerned Circle Office as Annexure:-VIII
(ix) NOC from DC for JJ land & GM land as Annexure:- IX
(x) FRA certificate with gram sabha as Annexure:- X
(xi) Enumeration list of Forest Trees as Annexure:-XI
(xii) The Geo-reference (cadastral) maps of the concerned Notified Forest and Jungle Jhari land has been annexed as Annexure - :-XII, (showing forest land and Jungle Jhari land.)
(xiii) 1 : 50,000 scale SOI maps No:- 72-L3, L4, L6, L7, L8, L10, L11 & 72-L12 showing the route Alignment with alternatives of proposed power line annexed as Annexure:-XIII.
(xiv) Route alignment on Mouza Map (Forest and JJ Land) annexed as Annexure:-XIV.

Signature :

Name in block letters :

Designation :

Address :

  
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