

# JHARKHAND URJA SANCHARAN NIGAM LIMITED (JUSNL)

## 132kV D/C GIRIDIH - SARIA 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 **132kV D/C Giridih - Saria** Transmission line. The proposed Transmission line shall connect the newly constructed 220/132/33kV Sub-Station at Giridih (Village-Kararbari) and 132/33/11kV Sub-Station at Saria (Village-Barki Saria) in Giridih district of Jharkhand state.

The line traverses through Giridih, Birni & Saria blocks of Giridih district. The line shall be utilized for transfer the power from 220/132/33kV Giridih Sub-Station to 132/33/11kV Saria Sub-Station. The line shall also be an important link of the Birni & Bagodar blocks. This line is very much vital in view of strengthening of transmission system in the District of Giridih. Therefore, the power transmitted through this line will boost the Commercial, Domestic and agricultural growth of Birni, Saria, Bagodar blocks and nearby Villages. In this way this will lead to accelerate the development of economy of the District of Giridih as well as Jharkhand State as a whole. Some portion of the line passing through Forest and Jungle Jhari (JJ) of Giridih East and Hazaribagh East Forest divisions where a corridor of **27m.** shall be utilized for construction of the said line, as well as maintaining statutory electrical clearance for safe operation.

During selection of route alignment for laying of transmission line, necessary survey has been carried out to avoid forest land. The proposed transmission line is passing through **Giridih East & Hazaribagh East Forest Divisions** with total length of **41.33603 Km.**

For erection of 132kV D/C Transmission line with the span of **13.5** mtr on either side of the center line, total area of land involvement is **111.60729 Ha.** Out of this total area, the area **6.875 Ha.** is coming under forest land, **26.050 Ha.** is coming under Jungle Jhari land, and **(17.689+60.99329) = 78.68229 Ha.** is coming under non-forest land.

SL. NO	NAME OF FOREST DIVISION	LENGTH (KM)	AREA (Ha)	FOREST (Ha)	JUNGLE JHARI (Ha)	GM LAND (Ha)	RAITY LAND (Ha)
1	GIRIDIH EAST	33.38237	90.13241	6.875	17.457	15.445	50.35541
2	HAZARIBAGH EAST	7.95366	21.47488	0	8.593	2.244	10.63788
TOTAL=		41.33603	111.60729	6.875	26.050	17.689	60.99329



	<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:- <b>XII</b>.</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 map in scale of 1: 50000 is annexed as Annexure :-<b>XIII</b>, The Final Route alignment has been shown in <b>RED</b> colour on the maps, the alternative route R2 is marked in <b>BLUE</b> and R3 in <b>BLACK</b>.</p> <p>(b) The cadastral Mouza maps of the concerned 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>2500 Lacs</b> .
(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>6.875 Ha.</b> of Forest land and <b>26.050 Ha.</b> of Jungle Jhari land under <b>Giridih East and Hazaribagh 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	For construction of the transmission line there will be huge employment potential. Around <b>240</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.

## 2. Purpose wise breakup of the total Forest land required :-

SL. NO.	NAME OF FOREST DIVISION	TOTAL FOREST LAND IN (Ha)	CONSTRUCTION OF TOWERS		LAYING OF 132 KV D/C GIRIDIH-SARIA T/L (Ha)
			NOS.	AREA (Ha)	
1	GIRIDIH EAST	24.332	43	2.322	22.010
2	HAZARIBAGH EAST	8.593	13	0.702	7.891
<b>TOTAL:-</b>		<b>32.925</b>	<b>56</b>	<b>3.024</b>	<b>29.901</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)	Plots verification certification concerned Circle Office as Annexure :- VIII
(ix)	NOC from DC for JJ land & GM land as Annexure :- IX
(x)	FRA certificate as Annexure :- X
(xi)	Enumeration list of Trees as Annexure :- XI
(xii)	The Geo-reference (cadastral) maps of the concerned 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.-72H/15, 72H/16, 72L/3, 72L/4 & 72L/8 showing the Route Alignment with alternatives Routes has been annexed as Annexure :- XIII.
(xiv)	Route alignment on Mouza Map (Forest and JJ Land marked) annexed as Annexure:- XIV.

Signature :

Name in block letters : **PRAVIN RAM**

Designation : Electrical Executive Engineer.

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