

# JHARKHAND URJA SANCHARAN NIGAM LIMITED (JUSNL)

## 132kV D/C JAMUA-GAWAN TRANSMISSION LINE

### FORM – A PART – I

#### 1. PROJECT DETAILS:-

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

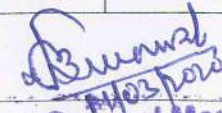
JUSNL (Jharkhand Urja Sancharan Nigam Limited) is primarily entrusted for the construction and successful operation of High Voltage Transmission lines with a mission to form a Grid network to facilitate effective transfer of power within the State. The scheme is for construction of **132kV D/C JAMUA - GAWAN** Transmission line. The proposed Transmission line shall connect the newly constructed 132/33kV sub-station at Jamua (Village-Kurumdiha) and 132/33/11kV sub-station at Gawan (Village-Godheya) in Giridih district of Jharkhand state.

The line traverses through Jamua, Deori, Tisri & Gawan blocks of Giridih district. The line shall be utilized for transfer the power from 132/33kV Jamua Sub-Station to 132/33/11kV Gawan sub-station. The line shall also be an important link of the Jamua, Deori, Tisri & Gawan block. 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 Jamua, Deori, Tisri & Gawan 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 Giridih West Forest division 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 & Giridih West Forest Divisions** with total length of **65.690 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 **177.363 Ha**. Out of this total area, the area **41.232 Hectare** is coming under forest land, **13.175 Hectare** is coming under Jungle Jhari land and **(22.777 GM + 100.179 Raity) = 122.956 Hectare** is coming under non-forest land.

SL. N O	NAME OF FOREST DIVISION	LENGTH (KM)	AREA (Ha)	NOTIFIED FOREST (Ha)	JUNGLE JHARI (Ha)	GM LAND (Ha)	RAITY (Ha)
1	GIRIDIH WEST	25.009	67.522	4.016	4.104	6.671	52.731
2	GIRIDIH EAST	40.681	109.841	37.216	9.071	16.106	47.448
TOTAL=		65.690	177.363	41.232	13.175	22.777	100.179

  
**Dy. General Manager**  
Transmission (Oper. & Project)  
Transmission Circle, Deoghar.



	<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 in the table-1 annexed as Annexure – I, are notified and demarked forest. Rest in table II of Annexure- I, belongs to Jungle – Jhari.</p>
(ii) Maps showing the required forest land, boundary of adjoining forest land on a 1:50000 scale map	<p>(a) Topo sheet map in scale of 1: 50000 is annexed as Annexure- IX, 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>VIOLET</b>.</p> <p>(b) The cadastral maps of the concerned Notified Forest and Jungle Jhari land has been annexed as Annexure –X 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. 119.41 Crore.
(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>4.016</b> Ha. of Notified Forest land and <b>4.104</b> Hectare of Jungle Jhari land under <b>Giridih West</b> and <b>37.216</b> Ha. of Notified Forest land and <b>9.071</b> Hectare of Jungle Jhari land under <b>Giridih East Forest Division</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 : – IV
(vi) Employment likely to be generated	<p>For construction of the transmission line there will be huge employment potential. Around <b>250</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. (Total Mandays = 250*255*1.5 = 95625)</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		CONDUCTOR LAYING OF FOREST AREA (Ha)
			NOS.	AREA (Ha)	
1	GIRIDIH WEST	8.120	14	0.756	7.364
2	GIRIDIH EAST	46.287	66	3.564	42.723
<b>TOTAL:-</b>		<b>54.407</b>	<b>80</b>	<b>4.320</b>	<b>50.087</b>

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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 Annex:- 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 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.-72L/2,72L/3,72H/14 & 72H/15 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

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11/03/2020

Name in block letters : S. K. BURNWAL

Designation

: Dy. G.M. Trans. Operation/Projects,

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