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ANNEXURE 3

झारखण्ड ऊर्जा संचरण निगम लिमिटेड
JHARKHAND URJA SANCHARAN NIGAM LIMITED
(CIN: U40108JH2013SGC001704)
Regd. Office: - Engineering Building, H.E.C., Dhurwa, Ranchi-834004
Telephone: - 0651-2400807 & Fax: 0651-2400799

CERTIFIED TRUE COPY OF RESOLUTION PASSED AT THE FIFTH MEETING OF THE BOARD OF DIRECTORS OF JHARKHAND URJA SANCHARAN NIGAM LIMITED HELD ON TUESDAY, THE 5TH DAY OF AUGUST, 2014 AT 04:00 P.M. AT THE REGISTERED OFFICE OF THE COMPANY.

ITEM NO. 05-07-02: Administrative approval for the construction 220/132/33 KV (2x150MVA + 2x 50 MVA) GSS at Giridih with 220 KV D/C Giridih – Jasidih transmission line and construction of 132/33 KV (2 X 50 MVA) GSS at Saria with 132 KV D/C Giridih – Saria transmission line.

"The Board discussed the matter and approved the proposal."

Date: 30.09.2014
Place: Ranchi

Certified True Copy
For Jharkhand Urja Sancharan Nigam Limited

Ankita
20/09/14
Ankita Agarwal
Company Secretary

[Signature]
13/8/16
Electrical Executive Engineer
Transmission Division
Hazaribagh



JHARKHAND URJA SANCHARAN NIGAM LIMITED

(CIN No. – U40108JH2013SGC001704)

Engineering Building, H.E.C., Dhurwa, Ranchi – 834 004

Agenda Item No. 05-07-02 / 2014-15

Sub:- Administrative approval for construction of 220/132/33 kV (2x150 MVA + 2x50 MVA) GSS at Giridih with 220 kV D/C Giridih – Jasidih transmission line and construction of 132/33 kV (2x50 MVA) GSS at Saria with 132 kV D/C Giridih – Saria transmission line.

Background

JUSNL has envisaged and prepared a comprehensive programme in respect of development of transmission network under Jharkhand Urja Sancharan Nigam Ltd. to be implemented in the 12th Five Year Plan (2012–17). This has been conceptualized keeping an eye to supply of firm and stable power to boost up the rapid growth of power demand in Jharkhand state. Accordingly it has been planned to take up the construction of new grid sub-stations and associated transmission lines to cope up with the power demand of various areas under Jharkhand state.

Transmission system have to be developed on the consideration that Electrical energy is coveted form of energy because it can be generated centrally in bulk and transmitted economically over a long distance through transmission system. Population is growing exponentially, electricity based industries are also coming up rapidly and hence demand of electricity is growing manifold. Unlike water and gas electricity cannot be stored and requires a capable transmission network. As per report of the Power Survey of India Power demand is roughly doubling in every 10 years at National level but in Jharkhand there is a tremendous scope of growth of load even at higher rate. A large chunk of areas of Jharkhand is facing acute shortage of power due to non -availability/inadequate capacity of transmission system and non-availability of reach in DVC command area. Now Jharkhand is moving rapidly towards power hub after signing various MoUs by the Govt. of Jharkhand for various types of industries such as production of steel and mining of coal. To meet the demand for such activities, availability of electricity and its transmission through a reliable transmission network and associated infrastructure/network of adequate capacity is a pre-requisite and this has to be developed at the opportune time to match with the fast growth of industries and society as well.

In view of above JUSNL has decided to construct following GSS with their associated transmission lines:

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Part		Description	Total Cost
A	i)	Construction of 220/132/33 kV (2x150 + 2x50 MVA) Grid Sub-Station at Giridih	Rs. 68.50 Crores
	ii)	220 kV D/C Giridih – Jasidih transmission line (Approximate length of line 90 KM), Cost of per KM line is approximate Rs. 0.65 lacs)	Rs. 58.50 Crores
B	i)	Construction of 132/33 kV (2x50 MVA) Grid Sub-Station at Saria	Rs. 38.50 Crores
	ii)	132 kV D/C Giridih – Saria transmission line (Approximate length of line 75 KM), Cost of per KM line is approximate Rs. 0.55 lacs)	Rs. 41.50 Crores
Grand Total			Rs. 207.00 Crores

Advantages after construction of GSS and transmission lines

After construction of above Giridih grid and associated transmission line, Giridih area is getting power from DVC till date. Adjacent area of Giridih district i.e. Azidih, Daridih, Gandey, Pratappur, Pirtand, Jamua, Kharagdiha, Bengabad, Deori, Ganwa, and Tisri will also get quality and stable power. This will facilitate quality & stable power with improved voltage to the above mentioned PSS due to shorter length of 33 kV lines.

Construction of Saria Grid and associated transmission line is also essential for supply of 6 nos. of power sub-station which are already constructed under RGGVY schemes namely Bagodar (11 MVA), Saria (11 MVA), Birni (7 MVA), Ichaki (5 MVA), Barkathaha (6 MVA) and Rajdhanbar (21 MVA). After construction of GSS at Saria all above said PSS will be fed power from the GSS Saria. This will felicitate quality & stable power with improved voltage to the above mentioned PSS due to shorter length of 33 kV lines; this will reduce transmission losses also.

Funding:- State Govt.

Budget:- Provision is being made in the Budget Estimate 2014 – 15.

Financial concurrence:

Financial concurrence has been obtained from accounts wing.

Points of Decision:

Administrative approval from Board of Directors JUSNL is solicited for

(A) Construction of 220/132/33 kV (2x150 + 2x50 MVA) Grid Sub-Station at Giridih with associated 220 kV D/C Giridih – Jasidih transmission line

(B) Construction of 132/33 kV (2x50 MVA) Grid Sub-Station at Saria with associated 132 kV D/C Giridih – Saria transmission line.

having total estimated cost amounting to Rs. 207.00 Crores (Rupees Two Hundred Seven Crore) only.

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Transmission Division
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File No. C.E. (Trans.)/ 1065/ 2013-14

for Chief Engineer (Transmission)

Company Secretary