

MEMORANDUM

SUB: INVESTMENT APPROVAL FOR "North- Eastern Region Strengthening Scheme-X (NERSS-X)".

Investment approval for "North- Eastern Region Strengthening Scheme-X (NERSS-X)" has been accorded by the Competent Authority on December 01, 2020 as per the details given bellow:

1. SCOPE OF PROJECT

Broad Scope of works:

Substation:

- a) Extension at Roing (POWERGRID) 132/33kV S/s
2 nos. 132kV line bays
- b) Extension at Chapakhowa (AEGCL) 132/33kV S/s
2 nos. 132kV line bays

Transmission Line:

- a) Roing (POWERGRID) - Chapakhowa (AEGCL) 132kV D/c line

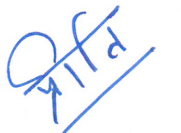
2. PROJECT COST & FUNDING

The estimated cost of the project based on June, 2020 price level is ₹ 40.84 Crore including IDC of ₹1.43 Crore. The abstract cost estimate is attached as **Annexure - I**.

The project is proposed to be implemented through Debt (70%) and Equity (30%) with loan component from domestic borrowing/ bonds/ External Commercial Borrowing (ECB) etc. and equity component through internal resources.

3. COMMISSIONING SCHEDULE

The project is scheduled to be commissioned within 15 months from the date of investment approval.


(Priti Nahar)
DGM (CP)

Annexure-I

ABSTRACT COST ESTIMATE		
(BASE COST)		
<u>NORTH EASTERN REGION STRENGTHENING SCHEME-X (NERSS-X)</u>		
(Cost updated to JUNE 2020 price level)		
Sl. No.	DESCRIPTION	AMOUNT (Rs. in Crs.)
A	Preliminary Survey & Soil Investigation	0.09
B	Land Acquisition for Substation and R & R Compensation	
C	Cost of Compensation for Transmission Lines	
	i) Compensation towards Crop, Tree & PTCC and land	5.86
	ii) Compensation towards Forest	3.57
D	<u>Civil Works</u>	
	i) Infrastructure for substations	0.40
	ii) Non Residential Buildings	
	iii) Colony for Substation	
E	<u>Equipment Cost</u>	
	a) Transmission Lines	16.76
	b) Sub-Stations	8.15
F	Sub Total A TO E	34.83
G	Special Tools & Plants @1% of E	0.25
H	Incidental Expenditure During construction (IEDC) @ 10.75% of [F - C(ii)]	3.36
I	Contingencies @ 3% of [F - C(ii)]	0.94
J	Centages & Contingencies @ 8% on Compensatory Afforestation (considering Rs.1,40,000 per Ha) for 27 Ha	0.030
	Sub Total (F TO J)	39.41
K	Interest During Construction(IDC)	1.43
	GRAND TOTAL	40.84

Distribution:

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8. Chief Engineer (W Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar - 791 111, Arunachal Pradesh
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11. Chairman, APDCL/ AEGCL/ APGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001, Assam
12. Chairman & Managing Director, Me.ECL, Lumjingshai', S.R. Road, Shillong - 793 001, Meghalaya
13. Chairman & Managing Director, TSECL, Agartala - 799 001, Tripura
14. Managing Director, MSPDCL, Electricity Complex, Keishampat, Imphal - 795 001, Manipur

Copy for kind information, please:

1. PS to Secretary (Power), MoP, Shram Shakti Bhawan, New Delhi- 110 001
2. PS to Addl. Secretary & Financial Advisor, MoP, Shram Shakti Bhawan, New Delhi- 110 001
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5. CEO, NITI Aayog, Yojana Bhawan, New Delhi- 110 001
6. Advisor, PAMD, NITI Aayog, Yojana Bhawan, New Delhi
7. Member Secretary, NRPC, 18/ A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi- 110 016
8. Member (Power Systems), CEA, Sewa Bhawan, R.K.Puram, New Delhi- 110 066
9. Secretary, CEA, Sewa Bhawan, R.K.Puram, New Delhi- 110 066 - 03 copies
10. Joint Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi-110001
11. Joint Secretary (Transmission), MoP, Shram Shakti Bhawan, New Delhi- 110 001
12. Joint Secretary (Plan Finance Div.-II), Ministry of Finance, North Block, New Delhi- 110 001
13. Director (Transmission), MoP, Shram Shakti Bhawan, New Delhi- 110 001

Handwritten signature/initials in blue ink.

14. Director, Ministry of Finance (Plan finance Div.), North Block, New Delhi- 110 001
15. Deputy Secretary, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi- 110 001
16. Under Secretary, Finance & Budget Section, MoP, Shram Shakti Bhawan, New Delhi- 110 001
17. CMD, Power System Operation Corporation Limited, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -11001



(Priti Nahar)
DGM (CP)

Important Note:

As per approval, following critical activities may be monitored:

- (i) Timely Award of major package(s).
- (ii) Timely supply of major equipment.
- (iii) Risk Management Matrix indicating various milestones to be monitored for the subject project is attached at **Annexure-II**.

Distribution:

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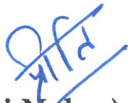
Chief GM : QA&I/ IB/ Admin,IR/ Commercial & RC

Company Secretary

DGM: Law

For kind information of:

Director (Operation)/ Director (Finance)/ Director (Personnel)/ Director (Projects)/
CVO


(Priti Nahar)
DGM (CP)

Annexure-II

RISK MANAGEMENT MATRIX FOR [North- Eastern Region Strengthening Scheme-X (NERSS-X)]

Sl. No.	Risk Parameters	Broad Mitigation steps		Responsibility Centre**
		Mitigation-1	Mitigation-2	
1	Delay in obtaining Forest clearance due to delay in submission of proposal and other reasons	Submission of proposal within 3 months of Investment approval	Follow-up & Stage-I approval within 6 months of proposal submission & final approval (Stage-II) before scheduled completion	Site Project Head / ESMD
2	Delay in commencement of project	Award of major contracts to be placed within 1 month of Investment Approval & Contract Agreement to be signed within 2 months thereafter.	Kick-off meeting within 1 month of Letter of Award	CS/CMG
3	Time overrun due to delay in resolution of RoW issues in construction of Transmission line	Regular follow-ups with local / State authorities for early resolution of RoW issues	In case of RoW, application under Sec-16 to be submitted within 1 month	Site Project Head / CMG
4	Idling of transmission system due to non-readiness of generator / downstream / upstream transmission system	Regulatory approval / Indemnification agreement to be signed with generators / other agencies	To maintain active coordination with generating company / STUs / other ISTS licensees for aligning project progress and create documentary evidence so that CERC Tariff order is not impacted	CMG
5	Restriction of additional cost by CERC in absence of RCE	RCE-I to be prepared within 1 month of award of all major packages (tower & substation)	RCE-II to be prepared when actual Capex is > 50% & thereafter regular review of project cost and completion schedule to ascertain requirement, if any, of further RCE requirement	Site Project Head / Cost. Engg.
6	Restriction of IDC / IEDC by CERC due to lack of / insufficiency in documentary evidence of time overrun	Regular records to be maintained regarding constraints in project progress and documented for support.	Hindrance register to be maintained in SAP and reviewed regularly by Project Head	Site Project Head / Commercial
7	Failure of equipments due to non-resolution of quality issue resulting in delay in projects	All major equipment quality checks to be maintained at Level-4	Quality to be ensured at different stages of manufacture as per standard practice.	QA & I Group
8	Non-compliance to statutory requirement of legal/safety/social/ environmental etc.	preparation of check-list at RHQ level and monitoring of same		Site Project Head
9	Timely Implementation of the Project			
a.	Commencement			
1	Finalization of L2	Within 1 month of NOA		
2	Site Mobilisation	As per L2		CMG
3	Survey	As per L2	2 to 3 months from NOA.	Site Project Head
4	Statutory Approvals/NOC (i.e. PTCC, Civil Aviation, Defence Establishment etc.)	Application to be submitted within 1 month of completion of survey	Complete within 3 months before completion schedule	Site Project Head
b.	Physical Progress			
1	Foundation	As per L2	Complete 3 months before completion schedule	Site Project Head
2	Tower Erection	As per L2	Complete 2 months before completion schedule	Site Project Head
3	Stringing	As per L2	Complete before scheduled completion of project	Site Project Head
4	Supply of ICTs & other major equipment	As per L2	Major equipment supply 2 month before completion. Transformer (Not applicable).	CC: Head (Engg.-S/s)
c.	Commissioning	As per L2	Within scheduled completion of project.	Site Project Head

** Overall in-charge for Responsibility Centre is Head of the respective Region / Department