

No. 3/23/2011-Trans-Part(1)  
Government of India  
Ministry of Power  
Shram Shakti Bhawan, Rafi Marg, New Delhi – 110 001  
\*\*\*\*\*

Dated, 26<sup>th</sup> March, 2021

To

1. The Chief Secretary, Govt. of Arunachal Pradesh
2. The Chief Secretary, Govt. of Sikkim
3. The CMD, POWERGRID

**Subject: Revised Cost Estimate (RCE) of Comprehensive Scheme for Strengthening of Transmission & Distribution System in Arunachal Pradesh and Sikkim.**

Sir,

In continuation to this Ministry's sanction order No. 3/23/2011-Trans dated 10.10.2014, sanction of the President of India is conveyed to Revised Cost Estimate (RCE) of Comprehensive Scheme for Strengthening of Transmission & Distribution System in Arunachal Pradesh and Sikkim at an estimated cost of Rs 9129.32 crore with completion time of December 2021 for awarded scope of works and 36 months from RCE approval for un-awarded packages subject to following condition:

*"Award of balance packages of Arunachal Pradesh will be subject to land being made available and forest/ wildlife issues being resolved within 6 months of RCE approval. Otherwise, such un-awarded packages may be cancelled."*

2. The scheme will be implemented as a Central Sector Scheme through Power Grid Corporation of India Ltd (PGCIL). The entire cost of the project will be borne by Government of India through Plan scheme of Ministry of Power. The States will reimburse State levied taxes and duties as applicable on the project, as already committed by them.
3. The detailed cost break-up is given in **Annexure-I**. The detailed/ broad scope of works is attached at **Annexure-II**.
4. The details of year-wise phasing of expenditure for the project are at **Annexure-III**.
5. All other terms and conditions of this sanction order will be as per Ministry of Power Sanction order No. 3/23/2011-Trans dated 10.10.2014.

गौतम घोष / GOUTAM GHOSH  
निदेशक / Director  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Government of India  
नई दिल्ली-110001 / New Delhi-110001

...2/-



6. This issues with the concurrence of Integrated Finance Division of Ministry of Power vide their Diary No **289/Fin./2021** dated **25.03.2021**.

Yours faithfully,



**(Goutam Ghosh)**  
Director (Trans)

गौतम घोष / GOUTAM GHOSH  
निदेशक / Director  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Government of India  
नई दिल्ली-110001 / New Delhi-110001

Copy to:

1. Commissioner & Secretary (Power), Govt. of Arunachal Pradesh
2. PCE cum Secretary, Govt. of Sikkim

Copy, along with enclosures, forwarded to the following for information:

1. Cabinet Secretariat [Kind Attn: Shri SGP. Verghese, Director (Cabinet), Rashtrapati Bhavan, New Delhi] with reference to minutes of meeting of the Cabinet held on 16.03.2021 issued vide Cabinet Secretariat Memo No. Case No. 6/CCEA/2021 dated: 22.03.2021.
2. Prime Minister's Office (Kind Attn: Ms. Amrapali Kata, Deputy Secretary) Controller of Accounts, Ministry of Power, Sewa Bhavan, R.K Puram
3. Pay & Accounts Officer, Minsitry of Power, New Delhi
4. Principal Director of Audit, Economic & Service Ministry, AGCR, Building, Near ITO, New Delhi- 110002.
5. Chairperson, Central Electricity Authority, RK Puram, New Delhi.
6. CEO, NITI Aayog, NITI Bhawan, New Delhi.
7. Secretary, Department of Expenditure, North Block, New Delhi.
8. Secretary, Department of Economic Affiars, North Block, New Delhi.
9. Secretary, M/o DONER, Vigyan Bhavan Annexe, New Delhi.

-----


Copy for information to: Sr. PPS to Secretary (Power) / PPS to AS & FA / PPS to AS (Trans) / PPS to JS (Trans) / PS to Director (Trans).

GOUTAM GHOSH  
निदेशक / Director  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Government of India  
नई दिल्ली-110001 / New Delhi-110001



**ABSTRACT OF REVISED COST ESTIMATE**  
**COMPREHENSIVE SCHEME FOR STRENGTHENING OF TRANSMISSION &**  
**DISTRIBUTION SYSTEM IN ARUNACHAL PRADESH**  
**(PRICE LEVEL OCTOBER'18)**

Sl. No.	Description	Amount (Rs. crore)
A.	Preliminary Survey & Soil Investigation	incl. in TL equipment
B.	Land Acquisition for Substation and R & R Compensation	114.09
C.	Cost of Compensation for Transmission Lines	
i)	Compensation towards Crop, Tree & PTCC etc.	94.92
ii)	Compensation towards Forest	754.20
iii)	Compensation towards Tower base & diminution of land value in RoW corridor	532.16
D.	Civil Works	
i)	Infrastructure for substations	
ii)	Non Residential Buildings	incl. in SS equipment
iii)	Colony for Transmission Lines & Substations	147.07
E.	Equipment (Supply & Erection Cost)	
i)	Transmission Lines	1798.87
ii)	EHV Sub - Stations	1311.93
iii)	Distribution Works	991.33
iv)	Voice & Data Connectivity	incl. in TL & SS
F.	<b>Sub Total (A to E)</b>	<b>5744.57</b>
G.	Contingencies on F	166.62
H.	<b>Sub Total (A to G)</b>	<b>5911.19</b>
I.	POWERGRID Consultancy Fee	519.12
J.	GST / Service Tax on I	89.06
K.	<b>Total Project Cost incl. Consultancy Fees (H+I+J)</b>	<b>6519.37</b>
L.	Interest During Construction	N.A.
M.	<b>Grand Total</b>	<b>6519.37</b>
<b>Note -</b> 1. IDC has not been considered as project is being funded by MoP from Gol Grant		

  
 गौतम घोष / GOUTAM GHOSH  
 निदेशक / Director  
 विद्युत मंत्रालय / Ministry of Power  
 भारत सरकार / Government of India  
 नई दिल्ली-110001 / New Delhi-110001



**ABSTRACT OF REVISED COST ESTIMATE**  
**COMPREHENSIVE SCHEME FOR STRENGTHENING OF TRANSMISSION &**  
**DISTRIBUTION SYSTEM IN SIKKIM**  
**(PRICE LEVEL OCTOBER'18)**

Sl. No.	Description	Amount (Rs. crore)
A.	Preliminary Survey & Soil Investigation	incl. in TL equipment
B.	Land Acquisition for Substation	212.00
C.	Cost of Compensation for Transmission Lines	
i)	Compensation towards Crop, Tree & PTCC etc.	109.82
ii)	Compensation towards Forest	30.57
iii)	Compensation towards Tower base & diminution of land value in RoW corridor	422.30
D.	Civil Works	
i)	Infrastructure for substations	incl. in SS equipment
ii)	Non Residential Buildings	
iii)	Colony for Transmission Lines & Substations	38.13
E.	Equipment (Supply & Erection Cost)	
i)	Transmission Lines	734.98
ii)	Sub - Stations	731.20
iii)	Voice & Data Connectivity	incl. in TL & SS
F.	<b>Sub Total (A to E)</b>	<b>2279.00</b>
G.	Contingencies on F	68.37
H.	<b>Sub Total (A to G)</b>	<b>2347.37</b>
I.	POWERGRID Consultancy Fee	224.46
J.	GST / Service Tax on I	38.13
K.	<b>Total Project Cost incl. Consultancy Fees (H+I+J)</b>	<b>2609.95</b>
L.	Interest During Construction	N.A.
M.	<b>Grand Total</b>	<b>2609.95</b>
<b>Note -</b> 1. IDC has not been considered as project is being funded by MoP from GoI Grant		

गौतम घोष / GOUTAM GHOSH  
निदेशक / Director  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Government of India  
नई दिल्ली-110001 / New Delhi-110001



I. Summary of scope of works being implemented in Arunachal Pradesh

(A) Scope of works under "Intra State : Arunachal Pradesh – Transmission / Sub-transmission (132 kV & above)"

Summary of the transmission / Sub transmission system being executed for Arunachal Pradesh is as under:-

Transmission Line

➤ 132 kV line (36 Nos.) : About 2141 kms.

Sub-station

➤ New Substations (132kV) : 27 nos.  
➤ Total Transformation Capacity (at 132 kV level) : 604 MVA

(B) Scope of works under "Intra State : Arunachal Pradesh – Distribution (Upto 33 kV)"

Summary of the distribution system being executed for Arunachal Pradesh is as under:

Sl. No.	Description	Qty.
1.	33 kV line feeders	
	• NOS	70
	• Length (in kms.)	1923
2.	33/11 kV substations	
	• Nos. of Substations	70
	• Total MVA	475

GOUTAM GHOSH  
Director  
Ministry of Power  
New Delhi-110001

GOUTAM GHOSH  
निदेशक / Director  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Government of India  
नई दिल्ली-110001 / New Delhi-110001



II. Summary of scope of works being implemented in Sikkim

(A) Scope of works under "Intra State : Sikkim – Transmission / Sub-transmission (132 kV & above)"

Summary of the transmission / Sub transmission system being executed for Sikkim is as under:-

Transmission Line

➤ 220 kV & 132 kV line (09 Nos.) : About 126 kms.

Sub-station

- New Substations (220 kV, 132kV & 66 kV) : 7 nos.  
➤ Total Transformation Capacity (at 220 kV, 132kV & 66 kV level) : 720 MVA

(B) Scope of works under "Intra State : Sikkim – Distribution (Upto 66 kV)"

Summary of the distribution system being executed for Sikkim is as under:

Sl. No.	Description	Qty.
1.	66 kV line feeders <ul style="list-style-type: none"><li>Nos.</li><li>Length (in km)-D/c</li><li>Length (in km)-S/c</li></ul>	20 104 134
2.	66/33 kV substation <ul style="list-style-type: none"><li>Nos. of substation</li><li>Total MVA</li></ul>	1 10
3.	66/11 kV substations <ul style="list-style-type: none"><li>Nos. of substations</li><li>Total MVA</li></ul>	11 140



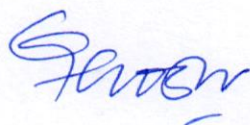
गौतम घोष / GOUTAM GHOSH  
निदेशक / Director  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Government of India  
नई दिल्ली-110001

## Annexure-III

**The year-wise phasing of expenditure for the project**

(Figures in Rs. crore)

Financial Year	Expenditure
2014-15	22.34
2015-16	26.40
2016-17	207.80
2017-18	412.24
2018-19	532.09
2019-20	360.07
2020-21 (Projected)	1682.18
2021-22 (Projected)	3024.98
2022-23 (Projected)	2633.43
2023-24 (Projected)	227.79
<b>Total</b>	<b>9129.32</b>



गौतम घोष / GOUTAM GHOSH  
 निदेशक / Director  
 विद्युत मंत्रालय / Ministry of Power  
 नई दिल्ली-110001 / New Delhi-110001