

NORTH EASTERN COUNCIL SECRETARAIT
POWER SECTOR

Sub: Submission of Photographs of the Iconic projects completed by NEC.

REF: U.O.No. NEC/IPR/882/2024, Dated: Shillong 8th July,2024.

Please find enclosed herewith required information regarding Iconic projects in respect of Power Sector for kind information and further necessary action.

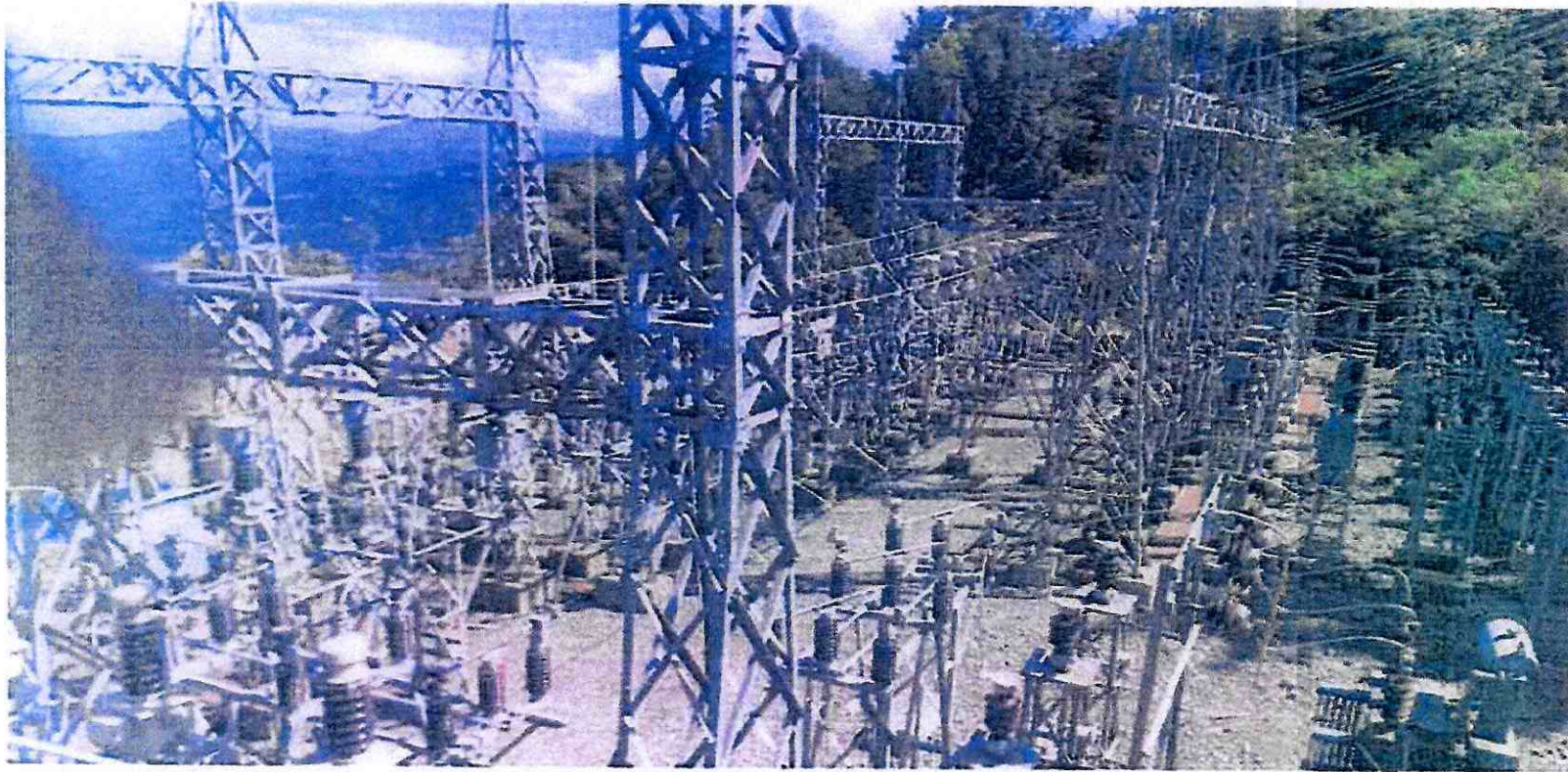
Encl: A/A

U.O.No.NEC/POW/441/2007-08/VOL-I
Dated, 29/07/2024.

I. J. Kharshiang
29/7/24
(Er.I.J.Kharshiang)
Exective Engineer(Power)

*Please enclose in
the file as per soft
copy of the same.*
Dir(IPR) *JD*
29/07/24

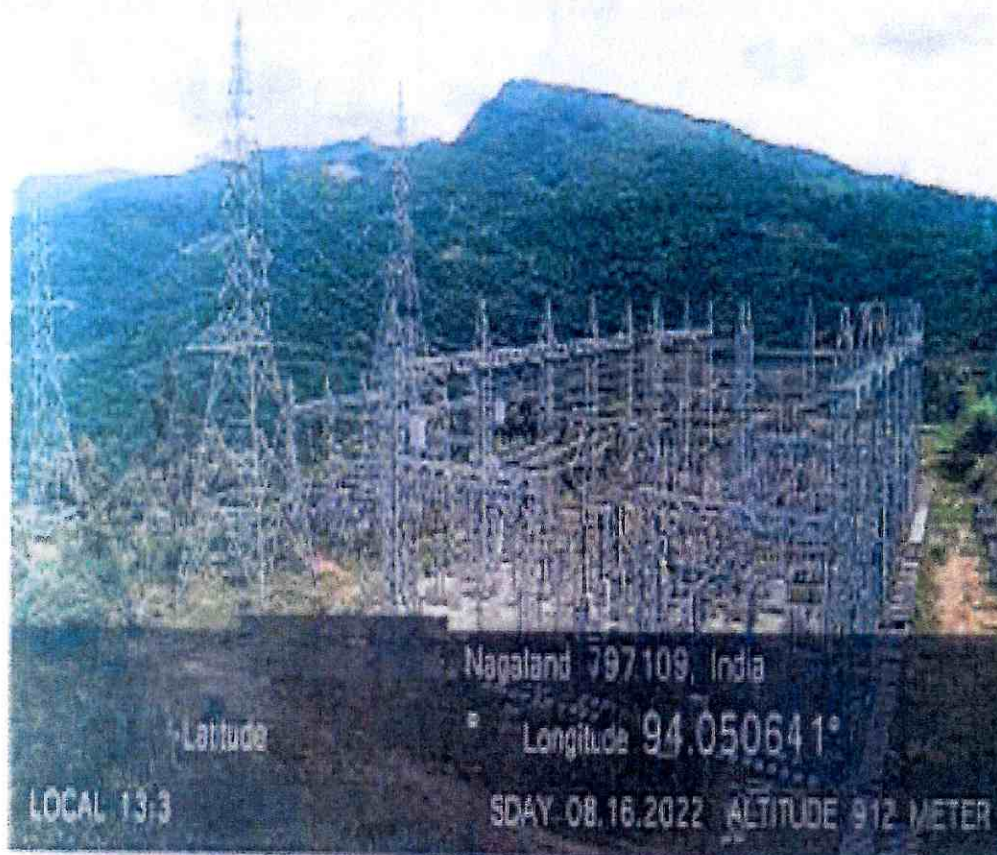
JSA



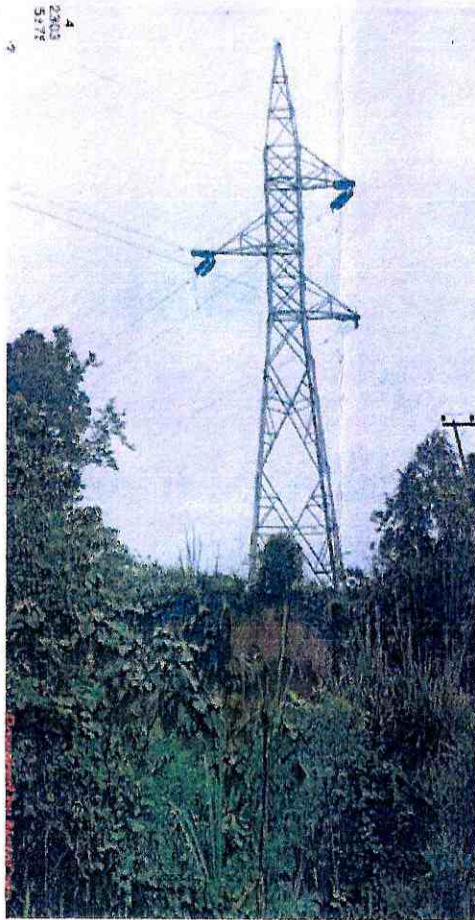
- C/o of 132kV Substation for shifting 132kV substation Zuangtui, Aizawl, Mizoram.
- Approved at Rs 20.77 crore on 31.7.2012 and completed on 6.8.2019.
- The project is for improvement & evacuation of power supply in the entire State of Mizoram.



- Baramura Gas Plant Unit 5:
- The project was approved on 7th August 2007, under NEC funding, at a total estimated cost of Rs 8000.00 lakh (excluding IDC of Rs 120.00 lakh)
- Power Department, Government of Tripura
- The project was completed as scheduled during September 2010.
- The project is benefitted by the Manipur, Mizoram and Tripura NE as per its share.



- C/o of 220/132/33kV Substation at Chiephobozou Bolck (Zhadima) Part – II, Nagaland.
- The project was approved by M/DoNER at Rs 68.58 crore on 31.7.2012 and completed on 31.8.2021.
- The project is the first substation at 220kV voltage on the State which is having connectivity with the national grid and significantly improve the reliability of power supply in the State. It has also envisaged to facilitate evacuation of power from the upcoming generation projects in the State.



4
2803
5178



altitude: 23.639275
longitude: 91.811116
elevation: 170.92420
accuracy: 5 m
time: 2012-07-04



altitude: 23.742713
longitude: 91.842897
elevation: 221.32410
accuracy: 5.2 m
time: 14-08-2023 14

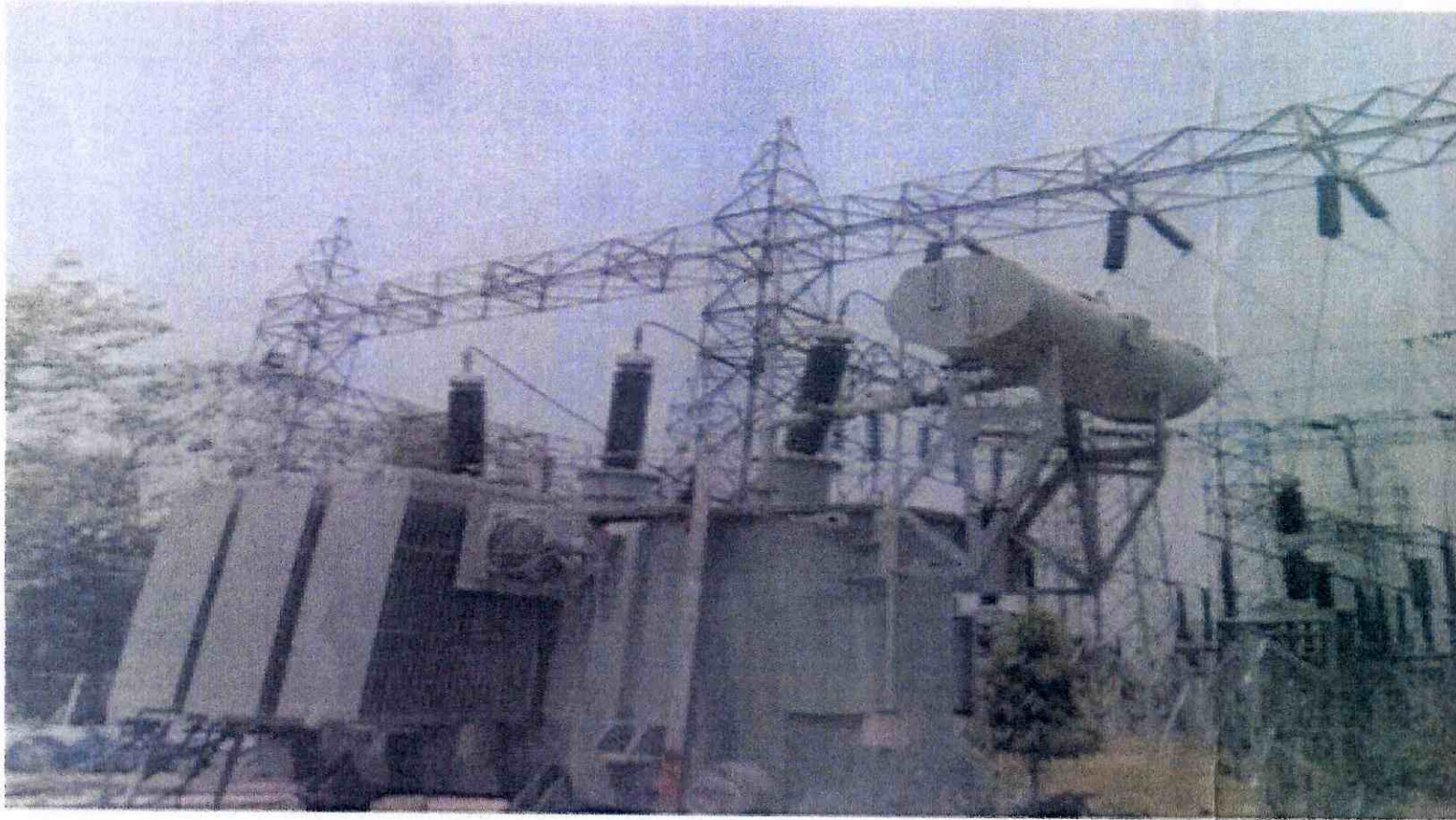
- C/o 132kV S/C Tran line from 132kV Ambassa – Gandacherra Substation (47km).
- It was approved by M/DoNER on 31.7.2012 at Rs 12.07 crore and completed & commissioned & charged on 7.12.2022.
- The project provides to reduce minimum interrupted power supply and helping the tribal people to set up small industries, etc.



- Installation of 220/132kV, 100MVA Auto Transformer at Agia (Assam) for Meghalaya.
- Approved at Rs 11.43 crore on 8.3.2011 and completed on 25.7.2013.
- The 100MVA Auto Transformer is installed at Agia Substation in Assam for evacuation of power to the State of Meghalaya (Garo Hills) to meet the required load demand of the Garo Hills Districts.



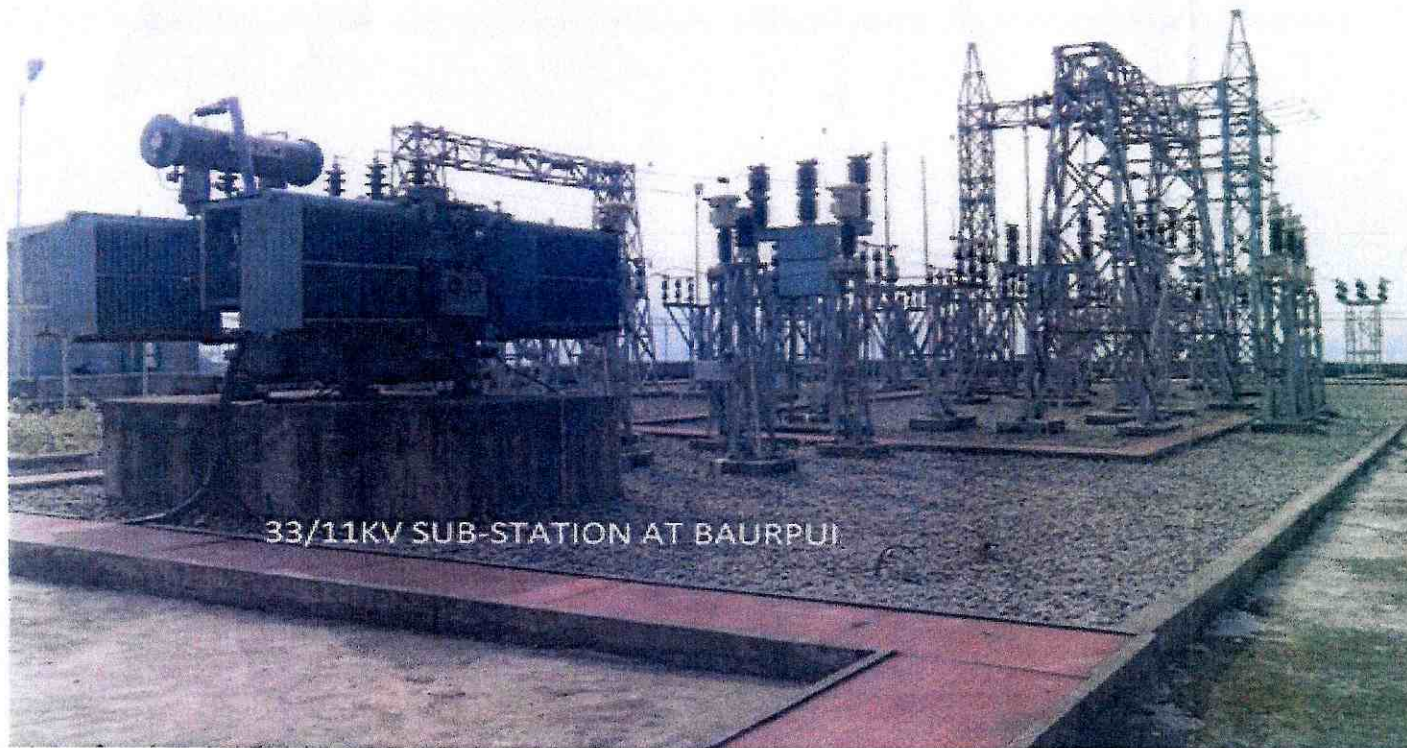
- Augmentation of substation capacity by addition of 1x20/25MVA, 132/33kV Transformer along with associated equipment at Ambassa, Dhalai Dist, Tripura.
- Approved at Rs 4.42 crore on 26.12.2011 and completed during December 2014.
- The project is to provide quality and reliable power supply to the consumers at Ambassa and surrounding areas.



- Augmentation of substation capacity by additional of 1x15/12.5MVA, 132/11kV Transformer along with associated Equipments and civil works at Udaipur, Tripura South.
- Approved at Rs 3.61 crore on 26.12.2011 and completed on August 2015.
- To meet the growing demand in the Udaipur and other neighbour areas.



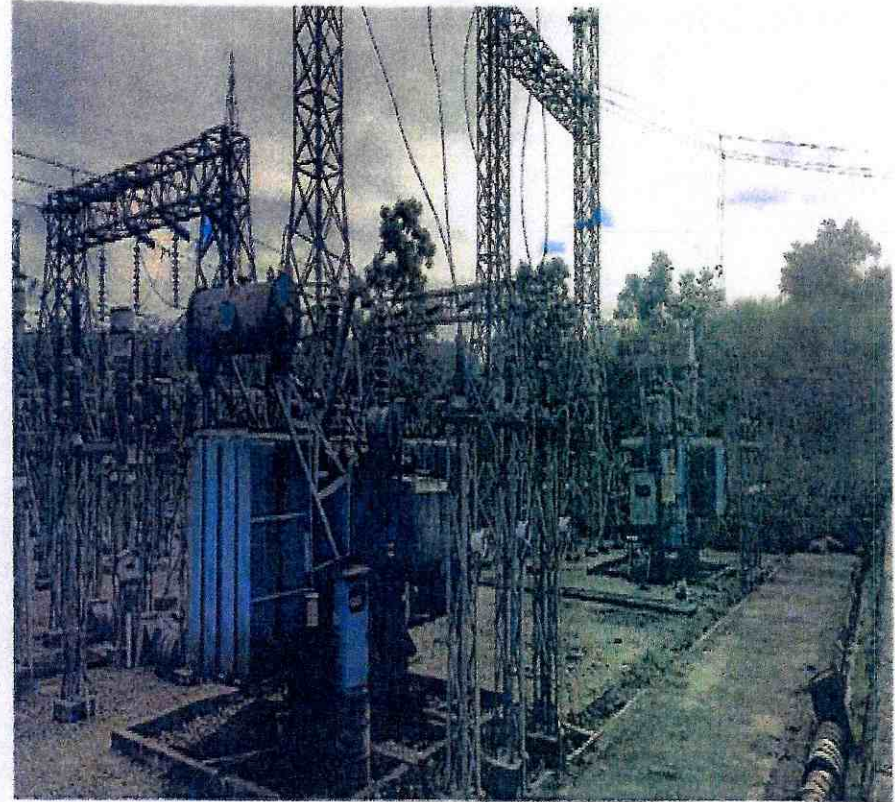
- C/o of 132kV line from Hoj to Itanagar including 2x20MVA, 132/33KV Substation at Chimpu, Itanagar.
- Approved (i) Original Cost – Rs 14.30 crore on 4.5.2005 & (ii) Rev cost – Rs 49.50 crore on 21.7.2008.
- The project was completed on during 2012-13.
- The project is to cater the emerging load grow position in the Itanagar and improve voltage stability in the areas. The 132kV D/C line is enhancing the reliability of power supply to the state capital and surrounding areas.



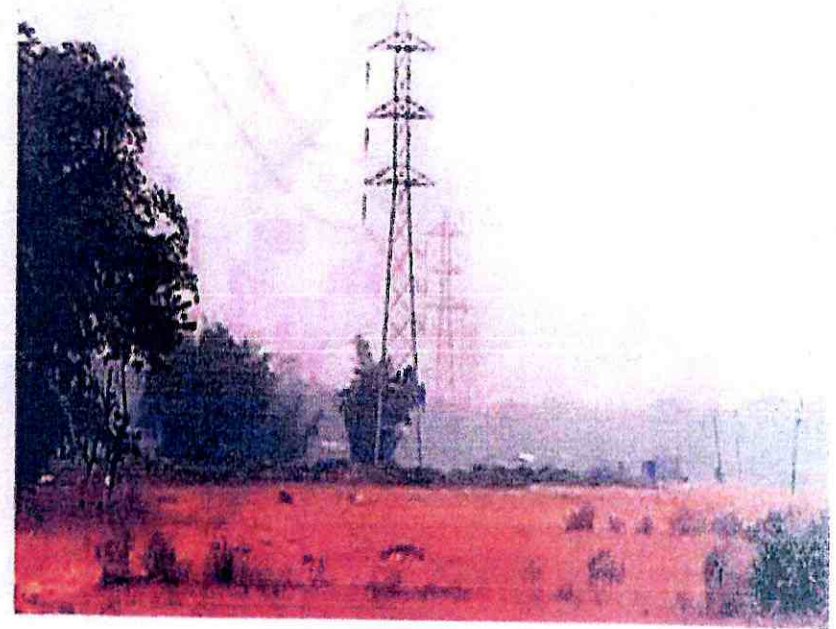
- C/o of 1x2.5MVA, 33/11kV Substation at Buarpui and Saiphai with associated lines, Mizoram.
- Approved at Rs 13.70 crore on 26.2.2014 and completed on 13.4.2017.
- The project is to improve voltage regulation and reliability of power supply to these area (Buarpui, Saiphai, Khawlek, Dengsurj, Kawlhawl, Bungtlang, etc).



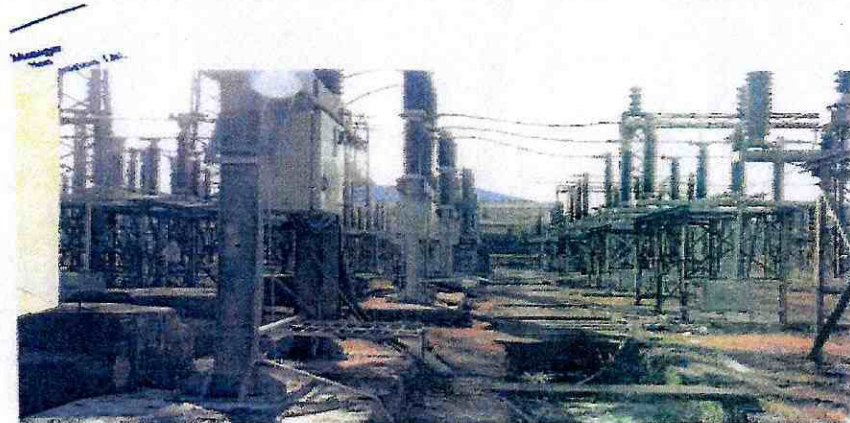
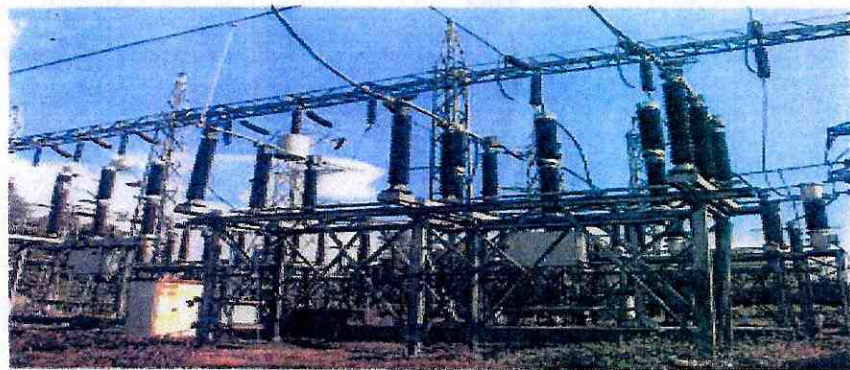
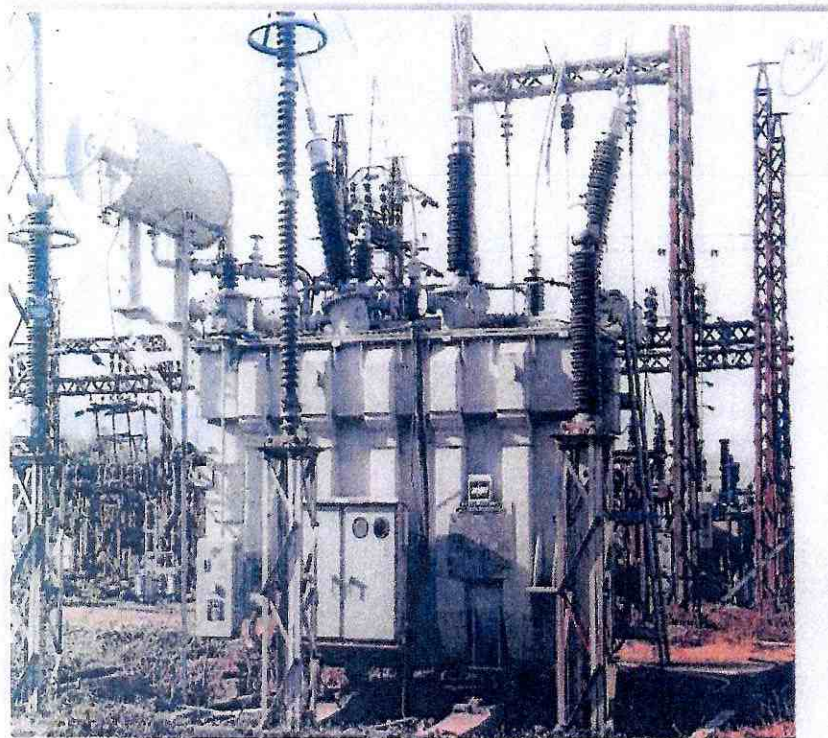
- C/o of 33kV line, 33/11kV substation, 11kV lines, 11/0.4kV Distribution substation and LT lines in Kohima, Nagaland.
- Approved at Rs 14.97 crore on 20.12.2013 and completed in June 2017.
- To meet the growing demand in the State capital, Kohima as well as surrounding areas.



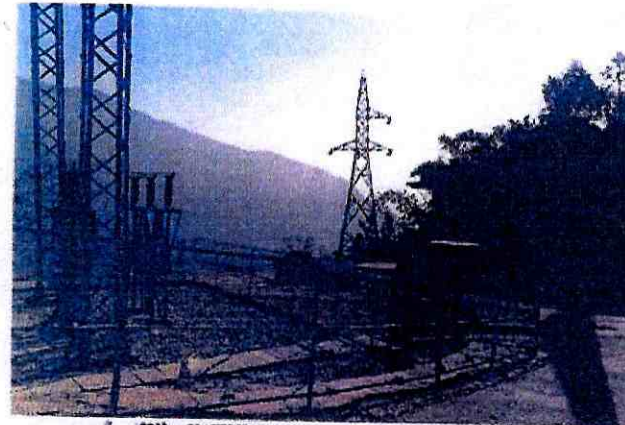
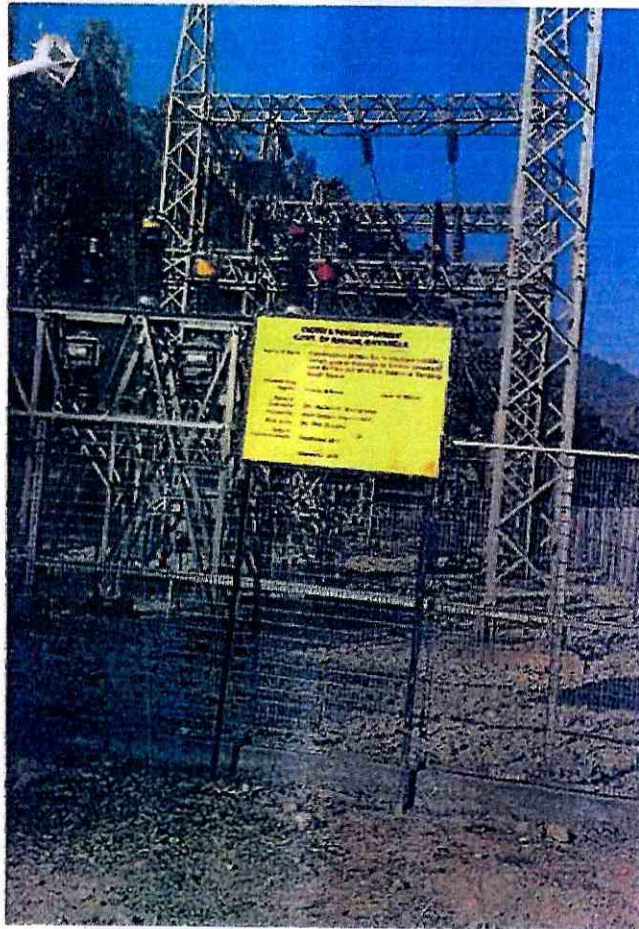
- C/o of 132/33kV, 1x25MVA + 1x16MVA Umrangshu Substation, Assam.
- Approved at Rs 13.44 crore on 1.3.2011 and both transformers completed on 2.3.2015 & 29.5.2017 respectively.
- The project is to meet the growing demand of the areas to the extent of 31MW at the time of sanction.



- Installation of 2x25MVA, 132/33kV Transform at Nazira (Garmur) along with C/o of 132 kV S/C Nazira-Mariani Line (63.2 Ckm), Assam.
- Approved at revised cost:)i). Original cost of Rs 16.79 crore on 3.8.2004 & (ii) Rev. Cost of Rs 22.61 crore on 23.6.2009.
- The substation and line were completed on 29.1.2011 & 19.3.2013 respectively.
- The revision was due to increase of line length from 60 to 63.20 and cost escalation of the materials.
- The project is for evacuation of power supply for reliability and stable for the entire Upper Assam areas.



- Renovation & Modernization of 132/33kV , 3x31,5 MVA Substation at Yurembam, Manipur
- Approved at Rs 9.636 crore on 22.3.2006 and completed on 26.9.2014 & 13.3.2015 respectively.
- The replacement of the transformers is for improvement the reliability and security of power supply in the state capital as well as surrounding areas.



132KV, SWITCH YARD AND TRANSMISSION LINE AT YANGANG.



66KV/11KV C/ROOM & SW



SWITCH YARD WITH SIGN BOARD AT YANGANG.



- C/o 66kV S/C Tran line from 132/66kV Switchyard to Central University with 66/11kV, 2x2.5MVA substation at Yangang, South Sikkim.
- Approved at Rs 16.61 crore on 4.9.2012 and completed and commissioned on 25.9.2017.
- The main objective is to feed power supply to the Central University and surrounding areas in South Sikkim District.



Unit#4

BARAMURA PLANT NEC FUNDED
21 MW GAS TURBINE UNIT #4

- Baramura Gas Plant Unit 4:
- The project was approved in October 2000, under NEC funding, at a total estimated cost of Rs 9674.00 lakh (including IDC of Rs 138.00 lakh)
- Power Department, Government of Tripura
- The project was completed as scheduled and inaugurated on 27th November 2002, by the Hon'ble Chief Minister, Govt of Tripura.
- The project is benefitted by the Manipur, Mizoram and Tripura NE as per its share.



- **Doyang HE Project, Nagaland (3x25:75MW).**

- The project was first sanctioned at Rs 128.61 crore on March 1985 and then revised to Rs 758.70 crore which was approved by the authority on May 2001. However, out of the total cost, NEC's share was Rs 499.85 crore
- The NEEPCO is the implementing agency and all 3 Units were commissioned on 8/7/00, 5/7/00 & 29/6/00 respectively.
- All NE States benefitted from this project as its share.



- Ranganadi HE Project, Arunachal Pradesh(3X135: 405MW).
- The project was first sanctioned at Rs 312.78 crore on 1/4/87 and then revised to Rs 1455.00 crore which was sanctioned by the authority on 15/6/2001. However, out of the total cost, NEC's share was Rs 834.85 crore)
- The NEEPCO is the Implementing Agency and all 3 Units were commissioned on January 2002 & March 2002 respectively.
- All NE States benefitted from this project as its share.



- **The Kopili H.E Project, Assam-Meghalaya (2x50+ 2x25: 150 MW)**
- **The project was first sanctioned at Rs 56.77 crore on March 1975 and then revised to Rs 242.82 crore which was approved by the authority on October 1991. However, out of the total cost, NEC's share was Rs 171.67 crore) only. NEEPCO is the I/A.**
- **The project is located at two places: (1) Khangdong HE Project (2x25MW): Both Units commissioned on 3/1984 & May 1984 respectively. (2) Kopili HE Project (2x50MW): Both Units commissioned on July 1988.**
- **All NE States are benefitted from this project as its share.**