Annex-G.1

Energy Saved is Energy Produced

TRANSMISSION CORPORATION OF TELANGANA LIMITED

From
The Director/Grid Transmission & Management, TSTRANSCO,
Vidyut Soudha,
Hyderabad.

To
The Chairman,
Central Electricity Authority,
New Delhi.

Lr.No. SE (PS)/DE(SS&LTSS)/F.Evacuation/D.No. 87 /15, Dt:26 /06/2015

Sir,

Sub: - TSTransco –Request for approval of proposed Transmission Evacuation Schemes of Manuguru TPP, Kothagudam TPS Stg-VII, SCCL 3rd Unit & Damaracherla TPP-Requested – Reg.

Ref:- 1) Lr.No.CMD/TSTransco/SE/PS/DE-SS/F-TP/D.No.52/15, Dt. 28-04-15.
2) Lr.No.CMD/TSTransco/SE/PS/DE-SS/F-TP/D.No.65/15, Dt. 20-05-15.

* * * * *

In continuation to the above references cited above it is once again requested to arranged to accord approval in the Standing Committee Meeting for the below proposed Transmission Evacuation Schemes of Manuguru TPP, Kothagudam TPS Stg-VII, SCCL 3rd Unit, Damaracherla TPP & Palamuru – Ranga Reddy Lift Irrigation Scheme. The scheme details are as follows:

A) MANUGURU (4 X 270 MW) Power Evacuation Scheme:

Connectivity details:

- Manuguru TSGenco Plant Switchyard to Proposed 400/220kV Bommanapalli SS with Quad Moose Dc Line – about 80 kms.
- From Proposed 400/220kV Bommanapalli SS to Existing 400/220 kV Khammam(PGCIL) SS with Quad Moose Dc Line – about 50 kms.

B) KTPS VII(1 x 800 MW) Power Evacuation Scheme:

i) **Connectivity details:**

- KTPS Stage VII Switchyard to Proposed 400/220/132 kV Bommanapalli SS by Quad Moose Dc Line – about 25 kms.
- From Proposed 400/220/132 kV Bommanapalli SS to Upcoming 400/220/132 kV Suryapet SS by Quad Moose Dc Line – about 125 kms.

- From Proposed 400/220/132 kV Bommanapalli SS to Proposed 400/220 kV Jangaon SS by Quad Moose Dc Line – about 120 kms.
- From Proposed 400/220/132 kV Jangaon SS to Proposed 400 kV Tippapur LI SS(Considerd under Pranahita Chevella Scheme approved in 37th Standing Committee meeting) by Quad Moose Dc Line – about 70 kms.
- From Proposed 400/220/132 kV Bommanapalli SS to Proposed 220/132 kV Kallur SS by Single Moose Dc Line – about 70 kms.
- From Proposed 400/220/132 kV Bommanapalli SS to Proposed 220/132 kV Pedagopathi SS by Single Moose Dc Line – about 110 kms.
- From Proposed 400/220/132 kV Bommanapalli SS to Proposed 220/132 kV Bommanapalli SS by Single Moose Dc Line
- From Proposed 400/220 kV Jangaon SS to Upcoming 220/132 kV Jangaon SS by Single Moose Dc Line – about 15 kms.
- From Proposed 400/220 kV Jangaon SS to Existing 220/132 kV Husnabad SS by Single Moose Dc Line – about 60 kms.
- From Proposed 400/220 kV Jangaon SS to Existing 220/132 kV Bhongiri SS by Single Moose Dc Line – about 70 kms.

ii) The proposed new substations for both Manuguru and KTPS VII:

- 400/220 kV Bommanapalli SS with 2 x 315 MVA
- 400/220 kV Jangaon SS with 3 x500 MVA
- 220/132 kV Kallur SS with 2 x100 MVA
- 220/132 kV Husnabad SS with 2 x 100 MVA

C) <u>Damaracherla (2 x600 + 4 x 800 MW) Power Evacuation Scheme</u>:

i) Connectivity details:

- Proposed Damaracherla Switchyard to Proposed 400/220/132 kV Choutuppal SS by Quad Moose Dc Line – about 150 kms.
- Proposed Damaracherla Switchyard to Proposed 400/220kV DindiSS by Quad Moose Dc Line – about 140 kms.
- Proposed Damaracherla Switchyard to Proposed 400/220 kV Maheswaram(TSTRANSCO) SS by Quad Moose Dc Line – about 155kms.
- Proposed Damaracherla Switchyard to Proposed 400/220kV Jangaon SS by Quad Moose Dc Line – about 155 kms.
- LILO of both circuits Srisailam – Mamidipalli 400kV Twin Moose DC line to proposed 400/220kV Dindi SS - about 15KM.
- LILO of Nagarjuna sagar (Tallapalli) – Kurnool 400kV Twin Moose line to proposed 400/220kV Dindi SS - about 5KM.
- From Proposed 400/220/132 kV Choutuppal SS to Upcoming 220/33 kV Hayatnagar SS by Single Moose DC Line – about 50 kms.

ii) **The proposed new substations:**

- 400/220 kV Dindi SS with 3 x 500 MVA
- 400/220 kV Choutuppal SS with 3 x500 MVA
- From Proposed 400/220/132 kV Dindi SS to Upcoming 220/33 kV Thimmajipet SS by Single Moose DC Line – about 58 kms.
- From Proposed 400/220/132 kV Dindi SS to proposed 220/33 kV Nagarkurnool SS by Single Moose DC Line – about 43 kms.
- From Proposed 400/220/132 kV Dindi SS to Existing 220/33 kV KM Pally SS by Single Moose DC Line – about 35 kms.

D) **Palamur-Ranagareddy Lift Irrigation Scheme with 2548 MW Load.**

i) **Connectivity details:**

- Proposed 400/220kV Maheswaram(TSTRANSCO) SS to Existing 400/220kV Veltoor SS by Quad Moose Dc Line – about 137 kms.
- Proposed 400/220kV Maheswaram(TSTRANSCO) SS to Proposed 400 Parigi LI SS by Quad Moose Dc Line – about 120 kms.
- Existing 400/220 kV Veltoor SS to Proposed 400 kV Madaram LI SS by Quad Moose Dc Line – about 78 kms.
- Proposed 400 kV Madaram(Dhanwada Mandal) LI SS to Proposed 400 kV Nancharlakota LI SS by Quad Moose Dc Line – about 54 kms.
- Proposed 400 kV Nancharlakota LI SS to Proposed 400 kV Parigi LI SS by Quad Moose Dc Line – about 42 kms.

ii) **The proposed new substations:**

- 400 kV Madaram LI SS.
- 400 kV Nancharlakota LI SS
- 400 kV Parigi SS

Early action in this regards is requested.

26/3/2015

Director/Grid Transmission & Management

Copy to

Sri Pardeep Jindal,Director(SP&PA)/ Sewa Bhavan/ CEA/New Delhi - with a request for necessary co operation

Annex - 6.2

Energy Saved is Energy Produced

TRANSMISSION CORPORATION OF TELANGANA LIMITED

From
The Director/Grid Transmission & Management, TSTRANSCO,
Vidyut Soudha,
Hyderabad.

To
The Executive Director/(SRTS-I),
Power Grid Corporation of India Ltd.,(PGCIL),
Kavadiguda,
Secunderabad.

Lr.No. SE (PS)/DE(SS&LTSS)/F.Evacuation/D.No.85 /15, Dt: 18 /06/2015

Sir,

Sub: - TSTransco - Study of Evacuation Plan & System Studies for the proposed State Generation Projects - Additional Connectivity for the proposed 400/220 kV Dindi SS -Requested - Reg.

Ref:- 1) Lr.No.CE(Plg,PS&IT)/SE(Plg.,&PS)/DE(SS&LTSS)/ADE2/D.No.20/15, Dtd:19-02-2015
2) PGCIL Lr No. SRTS-I:ED::2015,Dtd:16-04-2015

* * * * *

We appreciate your kind support for carrying out joint studies in respect of new (Damaracherla,KTPS & Manuguru) generation evacuation schemes at PGCIL,Gurgaon.

Mean while, TSTRANSCO has proposed to convert 220 kV Dindi Switching Station into 400/220 kV conventional SS by April 2016 to draw around 500 MW to meet the State's ambitious programme of providing 9 hours day time agricultural supply. As the Damaracherla Generation cannot be expected by April 2016,it is proposed to make LILO of one circuit of 400 kV Srisailam - Mamidipalli line and LILO of 400 kV Nagarjunasagar-Kurnool ISTS line at 400 kV Level to the proposed 400/220 kV Dindi SS.The detailed connectivity is here with enclosed.

It is requested to communicate your convenient date for deputing TSTRANSCO officials for conducting joint study at PGCIL,Gurgaon for additional infrastructure to be added to the proposed 400/220 kV Dindi SS at 400 kV Level in Damaracherla,KTPS and Manuguru Evacuation Scheme.

Your co-operation and support is appreciable.

DESPATCHED 18 JUN 2015

Encl: As above

18/6/2015

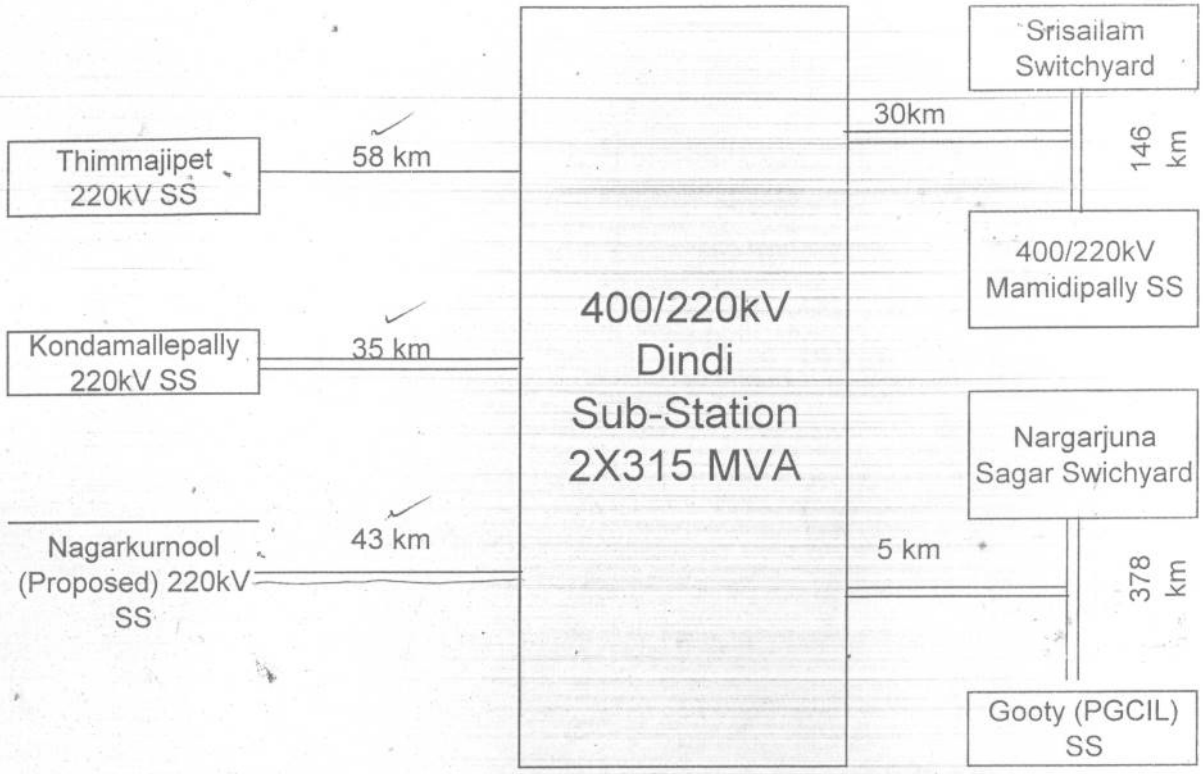
Director/Grid Transmission & Management

Sri Pardeep Jindal,Director(SP&PA)/ Sewa Bhavan/ CEA/New Delhi - with a request for necessary co operation

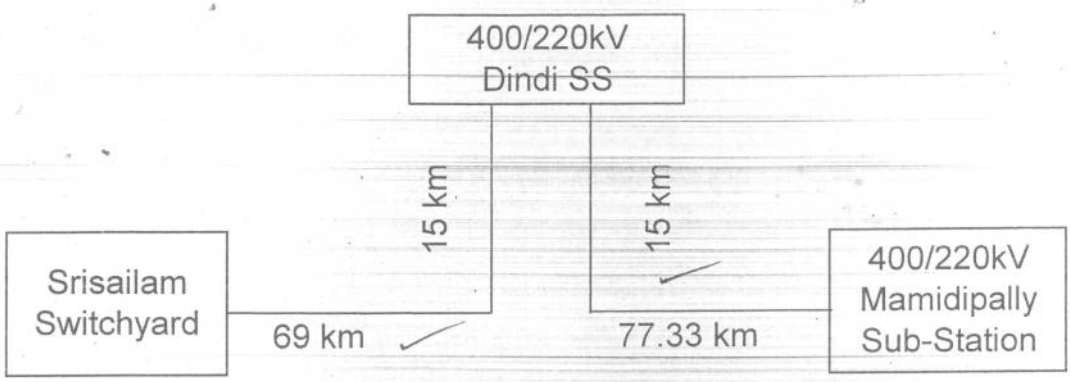
Mrs.Seema Gupta,COO/CTU,CORPORATE CENTRE,GURGAON - with a request for cooperation and guidance.

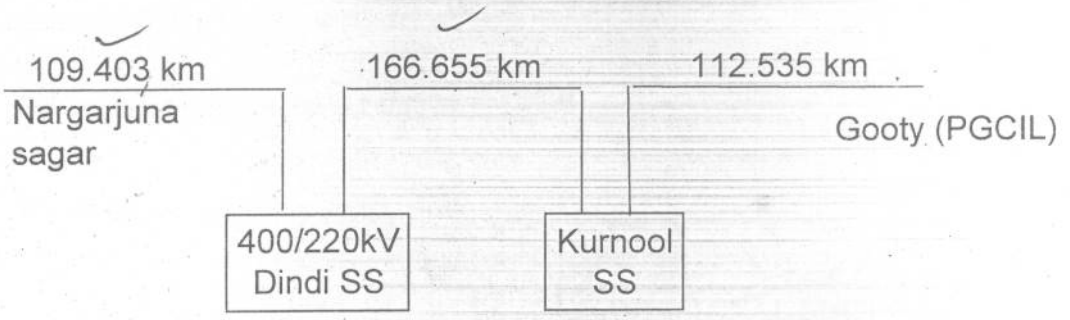
C:\Users\decenter\Desktop\pgcillt.dt.120615.doc

Construction of 400/220KVSS at Dindi, Nalgonda District under 9 Hrs. Agricultural Supply during day time scheme



Construction of 400/220KVSS at Dindi, Nalgonda District under 9 Hrs. Agricultural Supply during day time scheme





TRANSMISSION CORPORATION OF TELANGANA LIMITED

O/o. The Chief Engineer,
Construction,
TSTRANSCO, Vidyut Soudha,
Hyderabad - 500 082.

U.O. to Divisional Engineer /Power Systems:

Sub: Construction of 400/220KVSS at Dindi, Nalgonda District under 9 Hrs. Agricultural Supply during day time scheme – Connectivity network details - Regarding.

Ref: 1. U.O.No.CE/Const./SE/PM-I/D1-A2/F.Damaracherla/D.No.28 /15, Dt:21-05-2015.
2. Lr.No.SE(PS)/DE(SS&LTSS)/ADE-3/F.No:CPRI/D.No.70/15, Dt:05.06.2015.

<<<>>>

Superintending Engineer/Power Systems was requested to conduct the System studies and furnish the feasibility report in respect of additional connectivity for construction of 400/220kV SS at Dindi vide reference (1) cited.

Further to the above, Superintending Engineer/Power Systems vide reference 2nd cited, requested to furnish Single Line Diagram clearly indicating line lengths including the complete down stream for taking further necessary action.

The required information is herewith enclosed.

Matter most urgent.

A. Swetcha
DIVISIONAL ENGINEER-I
SE/PM-I/CONSTRUCTION

To:
Divisional Engineer /Power Systems /TSTransco/VS/Hyd

ADE-2
10/6/15

U.O.No.CE/Const./SE/PM-I/D1-A2/F.Dindi SS/D.No. 51 /15,Dt: 10 -06-2015.

Annex - G.3 O/C

Central electricity Authority
System Planning & Project Appraisal Division
Sewa Bhawan, R.K Puram, New Delhi -110066

No: 51/4/SP&PA-2015/ 1520-21 **Date: 10-July -2015**

To

The Chairman and Managing Director,
TS Transco,
Vidyut Soudha,
Hyderabad-500082

Subject: **In principle approval of transmission evacuation scheme of Manuguru TPP (4x270 MW) and Kothagudem TPS Stg-VII**

Reference: **TS Transco letter no. CMD/TSTransco/SE/PS/DE-SS/F-TP/D.No.65/15 dated 20.05.2015.**

Sir,

1. TSTRANSCO, vide their letter dated 20.05.2015 has requested to accord in principle approval for the transmission evacuation schemes of Manuguru TPP(4x270 MW) and Kothagudem TPS Stage –VII (1x800MW) which have already achieved zero date to facilitate the construction of transmission lines and substation.

2. Subsequently, TSTRANSCO vide their letter dated 26.6.2015 proposed following details for the transmission scheme:

A) Manuguru(4x270 MW) Transmission system :

i) Manuguru TSGENCO plant switchyard to proposed 400/220kV Bommanapalli SS with Quad Moose DC line –about 80kms.

ii) From proposed 400/220kV Bommanapalli SS to existing 400/220kV Khammam(PGCIL) SS with Quad Moose line-about 50kms.

B) KTPS VII(1x800 MW) Transmission system :

i) KTPS Stage VII switchyard to proposed 400/220kV Bommanapalli SS with Quad Moose DC line.

ii) From proposed 400/220kV Bommanapalli SS to upcoming Suryapet 400/220/132kV SS by Quad Moose DC line –about 125kms.

iii) From proposed 400/220kV Bommanapalli SS to proposed 400/220kV Jangaon SS by Quad DC line –about 120kms.

iv) From proposed 400/220kV Jangaon SS to proposed 400kV Tippapur LI SS by Quad Moose DC line –about 70kms.

v) From proposed 400/220kV Bommanapalli SS to proposed 220/132kV Kallur SS by Single Moose DC line-about 70kms.

vi) From proposed 400/220kV Bommanapalli SS to proposed 220/132kV Pedagopathi SS by Single Moose DC line-about 110kms.

vii) From proposed 400/220kV Bommanapalli SS to proposed 220/132kV Bommanapalli SS by Single Moose DC line.

viii) From Proposed 400/220 kV Jangaon SS to Upcoming 220/132 kV Jangaon SS by Single Moose Dc Line – about 15 kms.

ix) From Proposed 400/220 kV Jangaon SS to Existing 220/132 kV Husnabad SS by Single Moose Dc Line – about 60 kms.

x) From Proposed 400/220 kV Jangaon SS to Existing 220/132 kV Bhongiri SS by Single Moose Dc Line – about 70 kms.

The proposed new substations for both Manuguru and KTPS VII:

i) 400/220 kV Bommanapalli SS with 2 x 315 MVA

ii) 400/220 kV Jangaon SS with 3 x500 MVA

iii) 220/132 kV Kallur SS with 3 x50 MVA

iv) 220/132 kV Husnabad SS with 2 x 80 MVA.

3. Further TSTRANSCO vide their letter no SE(PS)/DE(SS&LTSS)/F.evacuation/ D.No.85, dated 18.06.2015 has proposed to convert 220kV Dindi switching station into 400/220kV conventional SS by April, 2016, to draw about 500 MW to meet the state programme of providing 9 hrs day time agricultural supply. Creation of Dindi 400/220 kV substation and its connectivity line was part of transmission system for Damercharela(2x600+4x800 MW). As Damarcharela Generation cannot be expected by 2016, TSTRANSCO has proposed to either LILO one circuit of 400kV Srisailam-Mamidipalli line or LILO of 400kV Nagarjuna Sagar-Kurnool ISTS line at the proposed Dindi 400/220kV SS.

4. Joint studies were carried out with PGCIL and Telangana on 26.06.2015, based on the studies following has emerged

i) Damaracherla (2 x 600 + 4 x 800 MW) generation project is not expected by 2016, as such, it was not considered in the studies

ii) LILO of 400kV N Sagar- Kurnool line at Dindi is not effective, however LILO of both ckts of 400 kV Srisailam –Mamdipally DC line at Dindi was useful and therefore it is recommended.

iii) LILO of both circuits of Malkaram- Vijayawada DC line at Suryapeta should be considered, instead of the present one circuit. It was seen that there was a loop flow when LILO of only one circuit was considered.

iv) Power from both the generation plants i.e. Manuguru(4x270 MW) and the KTPS VII (1x800 MW) are pooled at 400/220kV Bommanapalli SS and proposed to be dispersed through three corridors i) via Jangaon- Tippapur-Hyderabad; ii) via Suryapeta- Hyderabad; iii) via Khammam- Warangal.

v) Under the outage of Bommanapalli- Jangaon Quad 400kV DC line and without Khammam, the flow on Bommanapalli- Suryapeta Quad 400kV DC line is well within limits (2x664 MW) (Exhibit III).

vi) Similarly under the outage of Bommanapalli- Suryapeta Quad 400kV DC line, flow on Bommanapalli- Jangaon Quad 400kV DC line , is well within limits (2x589 MW) (Exhibit IV).

vii) It is seen from above that the outward transmission corridors from Bommanapalli i.e: Bommanapalli- Suryapeta and Bommanapalli- Jangaon are adequate (even under n-1-1 contingency) even without Bommanapalli-Khammam corridor. As such the connection towards Khammam is not necessary. Please refer to Exhibit II, III and IV(without Khammam) viz a viz Exhibit I(with Khammam). Further since Khammam is an ISTS S/S and needed to be discussed with other stakeholders, therefore 400/220kV Bommanapalli to Khammam is not considered in the studies. The connectivity to Khammam can be taken up as additional reliability after discussion in SCPSPSR.

viii) It is also seen that as both the generation plants i.e. Manuguru(4x270 MW) and KTPS VII(1x800 MW)) are pooled at Bommanapalli SS, the system beyond Bommanapalli is common to both Manuguru(4x270 MW) and KTPS VII(1x800 MW)

5. In view of above, we convey in-principle approval for following:

A) **Manuguru(4x270 MW) TPS:**

i) Manuguru TSGENCO plant switchyard to proposed 400/220kV Bommanapalli SS with Quad Moose 400 kV DC line –about 80kms.

B) **Kothagudem VII(1x800MW) TPS:**

i) KTPS Stage VII switchyard to proposed 400/220kV Bommanapalli SS with Quad Moose 400kVDC line.

C) **Common transmission system for Manuguru(4x270 MW) TPS and Kothagudem VII(1x800MW) TPS:**

i) From proposed 400/220kV Bommanapalli SS to upcoming Suryapet 400/220/132kV SS by Quad Moose 400kV DC line –about 125 km

ii) From proposed 400/220kV Bommanapalli SS to proposed 400/220kV Jangaon SS by Quad Moose 400kV DC line –about 120 km

iii) From proposed 400/220kV Jangaon SS to proposed 400kV Tippapur LI SS by Quad Moose 400kV DC line –about 70 km

iv) From proposed 400/220kV Bommanapalli SS to proposed 220/132kV Kallur SS by Single Moose 220kV DC line-about 70 km

v) From proposed 400/220kV Bommanapalli SS to proposed 220/132kV Pedagopathi SS by Single Moose 220kV DC line-about 110 km

vi) From proposed 400/220kV Bommanapalli SS to proposed 220/132kV Bommanapalli SS by Single Moose 220kV DC line.

vii) From Proposed 400/220 kV Jangaon SS to Upcoming 220/132 kV Jangaon SS by Single Moose 220kV DC Line – about 15 km

viii) From Proposed 400/220 kV Jangaon SS to Existing 220/132 kV Husnabad SS by Single Moose 220kV DC Line – about 60 km

ix) From Proposed 400/220 kV Jangaon SS to Existing 220/132 kV Bhongiri SS by Single Moose 220kV DC Line – about 70 km

The proposed new substations for both Manuguru and KTPS VII:

i) 400/220 kV Bommanapalli SS with 2 x 315 MVA

ii) 400/220 kV Jangaon SS with 3 x500 MVA

iii) 220/132 kV Kallur SS with 3 x50 MVA

iv) 220/132 kV Husnabad SS with 2 x 80 MVA.

C) **Dindi 400/220kV SS**

i) LILO of both circuits of 400 kV Srisailam –Mamdipally DC line at Dindi 400/220kV S/S

D) **Additional System requirement (based on studies)**

i) LILO of both circuits of Malkaram- Vijaywada 400kV DC line at Suryapeta 400kV S/S instead of LILO of only one circuit.

6. The above scheme would be taken up for discussion in the forthcoming meeting of the Standing Committee on Power System Planning of Southern Region.

This issues with the approval of Member (Power System), CEA.

Yours faithfully,

10/07/2015

(Pardeep Jindal)
Director(SP&PA)

Copy to:

COO(CTU-Plg.),
Power Grid Corp. of India Ltd.,
"Saudamini", Plot No.-2, Sector – 29,
Gurgaon - 122001

Exhibit - II

TELANGANA SYSTEM STUDIES (2016-17 TIME FRAME)

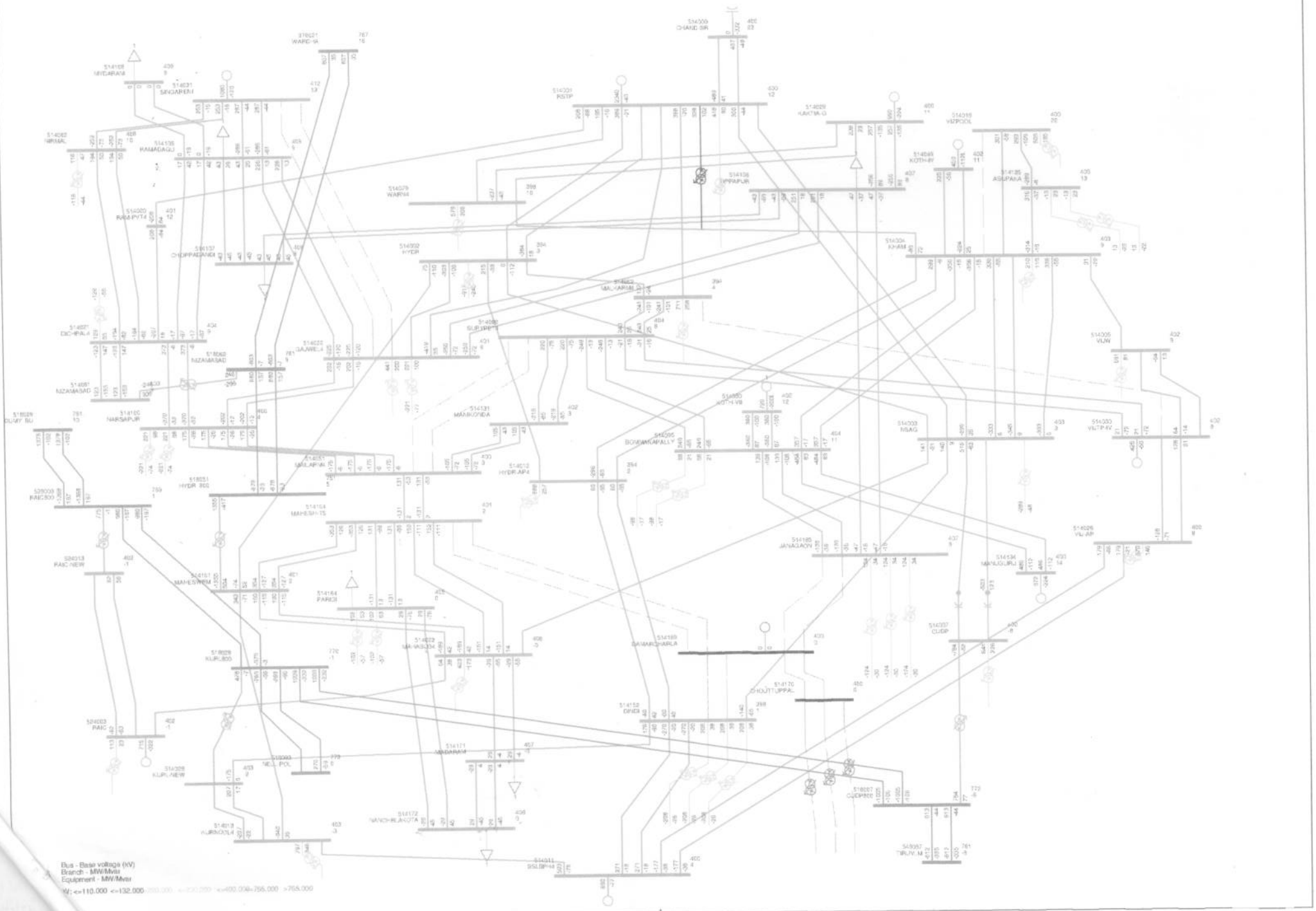


Exhibit - II

TELANGANA SYSTEM STUDIES (2016-17 TIME FRAME)

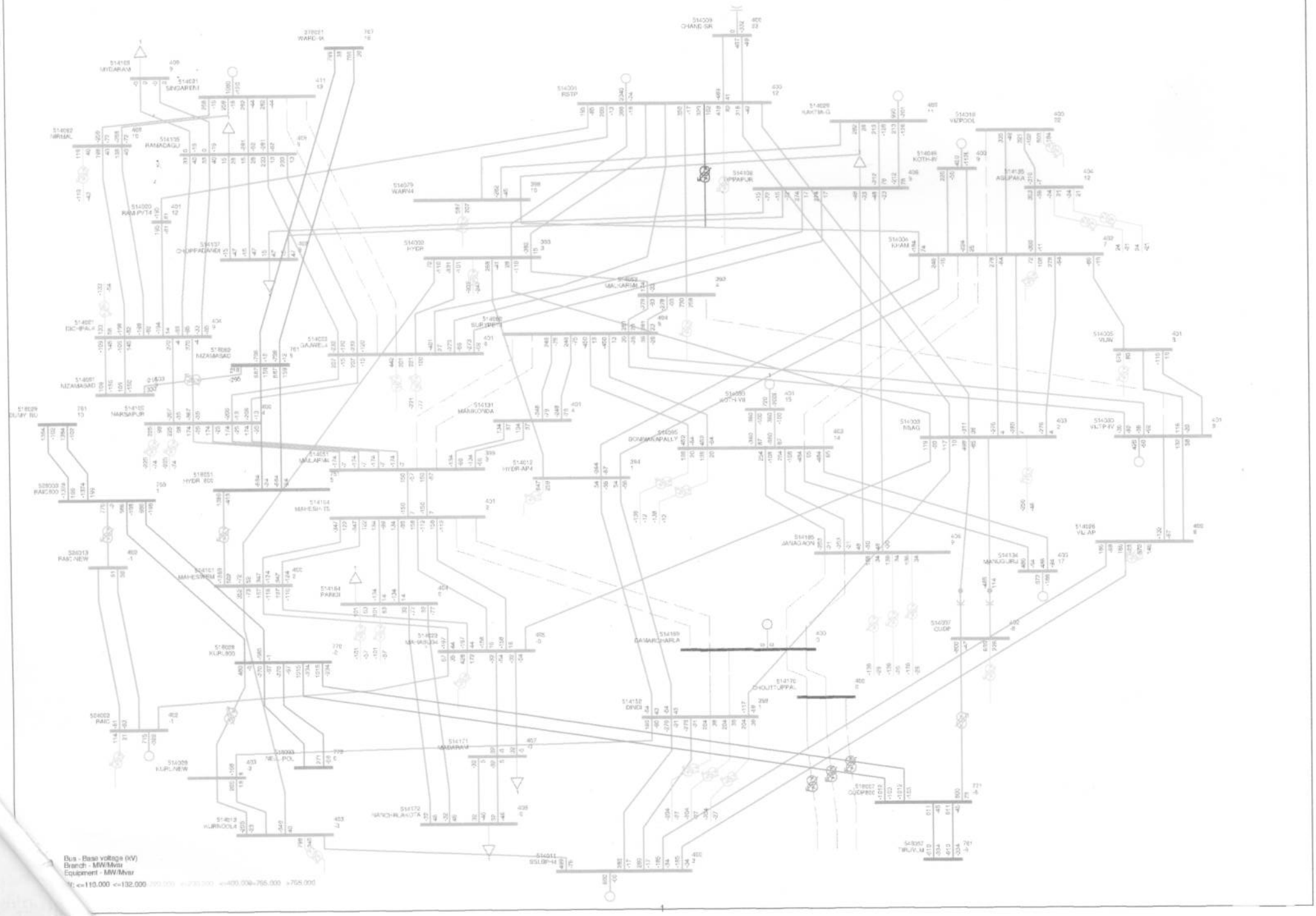


Exhibit - III

TELANGANA SYSTEM STUDIES (2016-17 TIME FRAME)

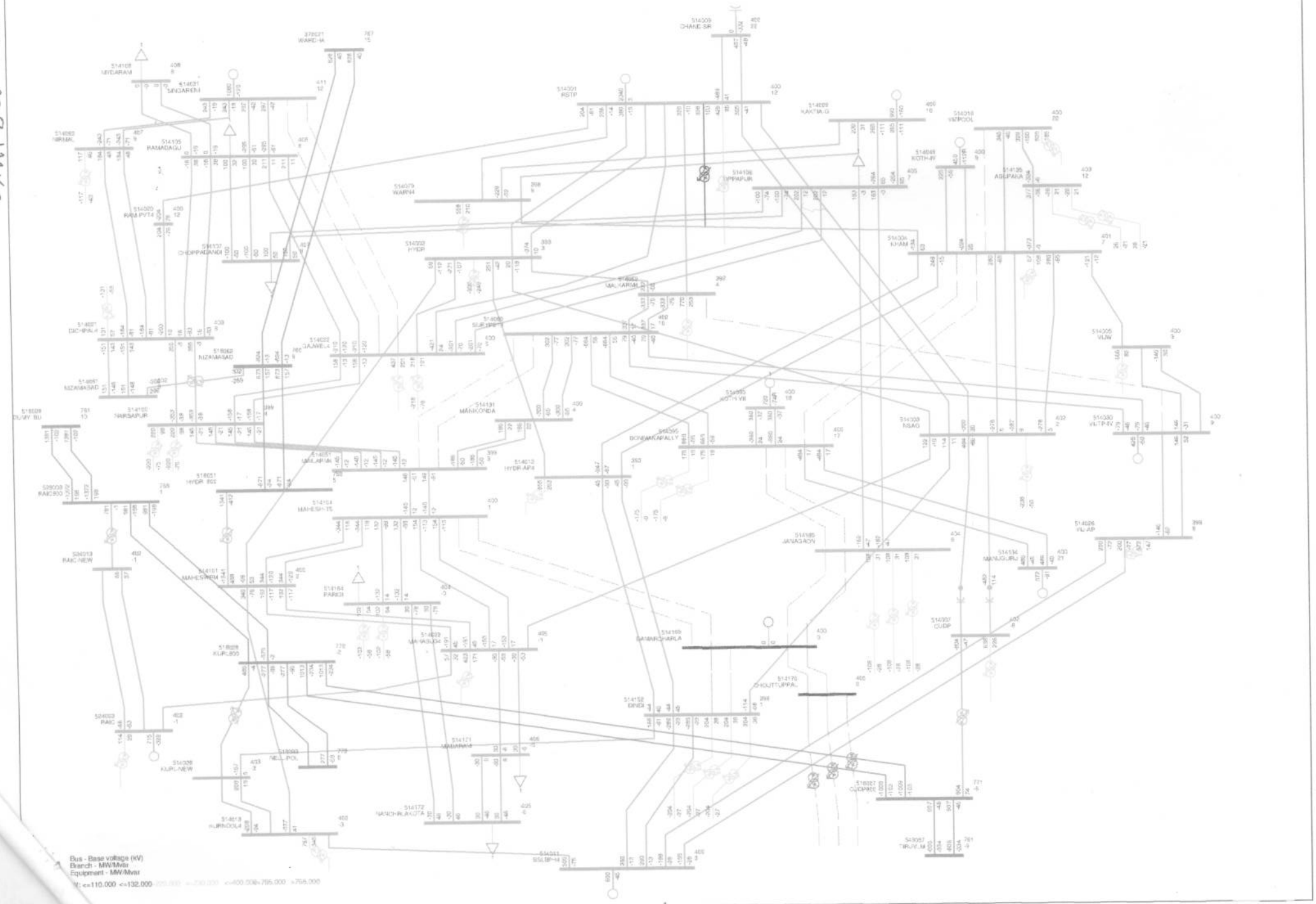
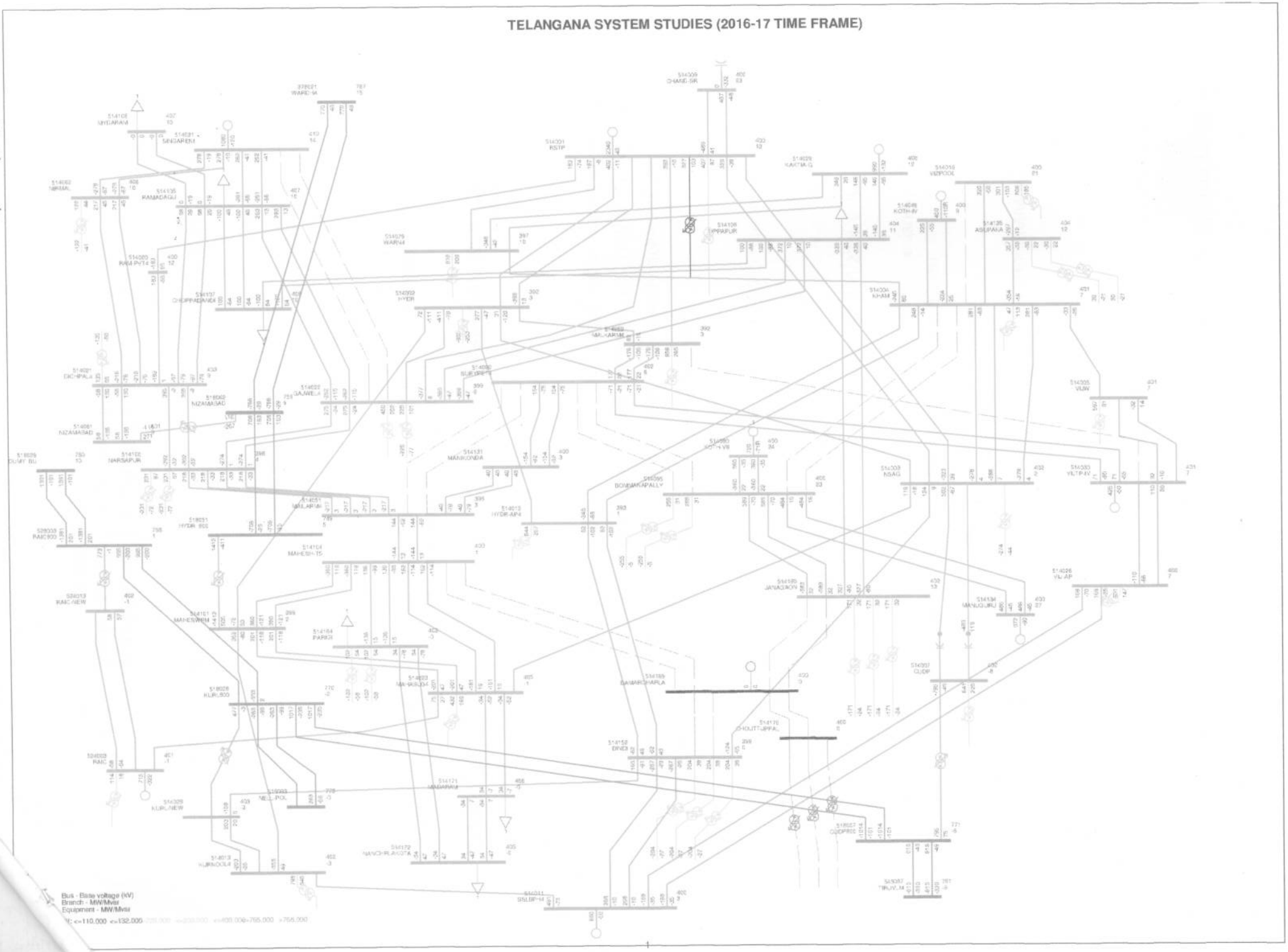


Exhibit-IV

TELANGANA SYSTEM STUDIES (2016-17 TIME FRAME)



Annexure-7&8

No Annexure for Agenda 7&8

Annex - 9

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd.)
केन्द्रीय कार्यालय नोएडा
Corporate Centre NOIDA

Ref. No. CC: PEE: 9591/ATS

Date: 31/07/2015

To,
Chief Engineer (Planning, Power System & IT)
TS TRANSCO.
Room No. 457, A-Block, Vidyuth Soudha,
Khairatabad, Hyderabad-82.

Subject: Power Evacuation Scheme for Telangana STPP Phase-I (2X800 MW).

Dear Sir,

As you are aware, NTPC has been mandated to set up 4000 MW Coal fired thermal power plant for Telangana State inline with A.P. State Re-organisation Act 2014

Accordingly, NTPC informed Principal Secretary to Hon'ble Chief Minister, Govt. of Telangana vide letter dated 22.08.2014 confirming NTPC's plan to set up 2 units of 800 MW under the name Telangana STPP Phase-I and 3 units of 800 MW under Phase-II of the project.

The proposed two units of 800 MW capacity (Telangana STPP Phase-I) will be set up in the available land (about 250 acre) in the MGR unloading Bulb area near existing Ramagundam Super Thermal Power Project (RSTPP) in District Karimnagar of Telangana.

Tendering process of the various packages for Telangana STPP Phase I (2X800 MW) by NTPC are at advanced stage.

Telangana STPP Phase-I (2X800 MW) envisages a 400KV GIS Switchyard (in view of space constraint) with provisions for 4 nos. of 400KV line bays in generation switchyard for Power Evacuation. Interconnection with existing 400KV Switchyard of RSTPP have also been considered for drawal of start-up power & project commissioning requirements. The 400KV D/C Interconnection Line can be subsequently used in case of contingencies.

Hon'able Chief Minister of Telangana has approached Hon'able Prime Minister of India for allocation of 100% power to Telangana State vide letter no. CMO/Power/2014 dated 06/09/2014. NTPC also has sought support of Additional Secretary, Government of India, Ministry of Power for allocating 100% power to Telangana State vide letter no. 01:CD:350 dated 04/09/2014.

It is understood that Telangana TRANSCO is intending to execute the Associated Transmission System of the project and studies are being undertaken in this regard.

In view of above, Telangana TRANSCO is requested to carry out study for finalization of power evacuation scheme and the same may be forwarded to CEA/CTU (Powergrid) so that the proposal may get concurred in forthcoming SR Standing Committee Meeting.

1693/PSP&PA I
10.8.15

ENGINEERING OFFICE COMPLEX, Plot No. A-8A, Sector-24, Post Box No. 13, Noida UP, Pin-201 301
Registered Office: NTPC Bhawan, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi-110003

एन टी पी सी लिमिटेड
भारत सरकार का उद्यम
NTPC Limited
(A Govt. of India Enterp...e)
(Formerly National Therm... Power Corporation Ltd.)

केन्द्रीय कार्यालय नोएडा
Corporate Centre NO...DA

Further, as the new Telangana STPP Phase-I (2X800 MW) is in the vicinity of existing Ramagundam project, the transmission line corridor from the new power station may have to be planned in association with PGCIL considering existing lines passing near the area

Since NTPC has already gone ahead with tendering for various packages, it is requested to expedite the process of finalization of power evacuation scheme on priority.

Thanking you,

Yours faithfully,

S.S. Mishra
Additional GM (PE-Electrical)

Copy To:

(i) Sh. K.K. Arya,
Chief Engineer (System Planning & Project Appraisal)
CEA, R.K. Puram,
Sewa Bhawan,
New Delhi-110 066.

(ii) Sh. Ashok Pal,
AGM (CTU),
Power Grid Corporation of India Limited,
"Saudamini", Plot No. 2, Sector-29,
Gurgaon-122 001.

ENGINEERING OFFICE COMPLEX, Plot No. A-8A, ... -24, Post Box No. 13, Noida
Registered Office: NTPC Bhawan, Scope Complex, ... Area, Lodhi Road, New Delhi

Annex – 10

TRANSMISSION CORPORATION OF TELANGANA LIMITED
Vidyut Soudha, Hyderabad – 500082, PABX:23396000

From
The Director/Transmission,
TSTRANSCO,
Vidyut Soudha,
Hyderabad.

To
(1)The Chairman,
Central Electricity Authority(CEA),
RK Puram, Sewa Bhavan,
New Delhi-110066

(2)The Chairman & Managing Director,
Power Grid Corporation of India (PGCIL),
Sector - 29, Near IFFCO Chowk, Gurgoan,
Haryana – 122001.

Lr.No. SE (PS)/DE(SS&LTSS)/F.Evacuation/D.No.131 /15, Dt:13 /08/2015

Sir,

Sub: - TSTransco - 400 kv Quad Moose DC Line from Bommanapalli(Julurupadu) to Khammam(PGCIL) in Manuguru(4x270 MW) Evacuation scheme , LILO of 400 kV Tallapalli (Nagarjunasagar)-Kurnool at Proposed 400/220 kV Dindi SS and approval for restoration of 200 MVA,400/132 kV failed Power Transformer with 315 MVA,400/220 kV Power Transformer at NPTC Ramagundam - Inclusion in forthcoming Standing Committee Meeting-Requested - Reg.

Ref:- 1) CEA Lr. No.51/4/SP&PA-2015/1520-21,Date:10-July-2015.p
2) Lr.No.SE/PS/DE(SS&LTSS)/F.Evacuation/D.No.114/15,dt.23-07-2015

* * * * *

While thanking you for arranging in principle approval to the transmission evacuation scheme of Manuguru (Bhadradri) TPP(4x270 MW), Kothagudem TPS Stage VII(1x800 MW) and additional connectivity to 400/220 kV Dindi SS communicated vide ref letter dtd:10-07-2015.,we request you to arrange to place the following issues in the agenda of the forthcoming standing committee:

i) Connectivity for 400 kV Quad Moose DC Line from Bommanapalli(Julurupadu) to Khammam (PGCIL) in Manuguru (4x270 MW) Evacuation scheme.

ii) LILO of 400 kV Tallapalli (Nagarjunasagar)-Kurnool at Proposed 400/220 kV Dindi SS in the additional connectivity of Proposed 400/220 kV Dindi SS.

Contd....

iii) Restoration of 200 MVA,400/132 kV failed Power Transformer with 315 MVA, 400/220 kV Power Transformer at NPTC Ramagundam. The relevant correspondence in this regard is enclosed.

It is requested to take necessary early action.

Director/Transmission

Copy to

1) Sri Pardeep Jindal,Director(SP&PA), Central Electricity Authority(CEA), RK Puram, Sewa Bhavan, New Delhi-110066.
2) Mrs.Seema Gupta, COO/CTU,CORPORATE CENTRE, Power Grid Corporation of India (PGCIL), Sector - 29, Near IFFCO Chowk, Gurgoan, Haryana - 122001.

TRANSMISSION CORPORATION OF TELANGANA LIMITED

Website:transco.telangana.gov.in CIN No.U40102AP2014SGC094248

From
The Chief Engineer/SLDC & Telecom,
TSTRANSCO
Vidyut soudha
Hyderabad – 500 082

To
Executive Director,
NTPC Ltd.,
Ramagundam Super Thermal Power Stn.,
P.O. Jyothi Nagar, Karimnagar Dist.,
Telangana - 505 215

Lr.No CE/SLDC/SE/DE-PP/ ADE1/ AE1/D.No. 346 /15 ,dated.13.07.2015

Sir,

Sub: TSSLDC – Early restoration of 200 MVA 400/132 KV ICT-II at NTPC Ramagundam – Reg.

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200 MVA 400/132 KV ICT-II at NTPC-Ramagundam tripped on 30th June 2015 on Bucholtz relay at 16.47 Hrs and is yet to be restored.

As the Khariff Season Agriculture loads have started increasing in the TSNPDCL area, the above ICT is essential to cater the agriculture loads in and around RSS (Malyalapalli), Jagityal and Karim Nagar areas.

In view of the above it is requested to arrange to restore the above ICT at an early date and intimate the action plan.

Yours faithfully,

Chief Engineer (SLDC & Telecom)

Copy to:
Executive Director, Southern Regional Load Dispatch Centre,
29 Race Course Cross Road, Bangalore- 560009 - For favour of Information and further necessary action.

Member Secretary, Southern Regional Power Committee,
29 Race Course Cross Road, Bangalore- 560009 - For favour of Information.

Director (HR & Grid Opn)/TSTRANSCO
Director (Transmission & Projects)/TSTRANSCO
Director (Operation/TSNPDCL
} for favour of information

CE/Transmission/TSTRANSCO – With a request to co-ordinate with NTPC for early commissioning

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DIRECTOR (Transmission & Projects)
14 JUL 2015

D. PRABHAKAR RAO
Chairman & Managing Director

TRANSMISSION CORPORATION
OF TELANGANA LIMITED
(Govt. of Telangana State Undertaking)
CIN No: U40102AP2014SG094248

D.O.Lr.No. Dir(Trans & Proj)/Peshi/F.No.2/D.No.1599/15, Dated: 16-07-2015.

Dear Sri. Venkateshwaran garu,

Sub: 200 MVA 400/132 KV Power Transformer failed at NTPC – Request for restoration – Reg.

Ref: Fax message from NTPC Ramagundam dated 13.07.2015.

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The 200 MVA 400/132 KV Telk make Power Transformer declared failed at NTPC, Ramagundam Power Station. The 132 KV supply comes to Ramagundam TSTRANSCO Sub-station for power distribution.

2. As Kharif season Agriculture loads have started, it will be very difficult to cater the loads in the area without supply from this Power Transformer. It is requested to cause necessary instructions to the concerned to replace this failed Power Transformer immediately with special rating is available anywhere.

3. The repair of the Power Transformer and Transportation will take 4 to 6 months time. An alternate, the following suggestion by TSTRANSCO may be examined for mitigating the emergency situation of TSTRANSCO.

i. TSTRANSCO is ready to spare one 315 MVA 400/220 KV Power Transformer.

ii. 132 KV LV side is to be modified to 220 KV at NTPC end, required 220 KV equipment will be given from TSTRANSCO.

iii. If agreed, TSTRANSCO will modify the 132 KV DC Line to 220 KV line to 220 KV line and necessary connecting arrangements will be made at 220 KV Sub-station, Ramagundam.

Urgent action solicited.

With regards.

Yours sincerely

D. P. R.

(D. Prabhakar Rao)

To
Sri R. Venkateshwaran,
Executive Director/NTPC/Hyderabad

Copy to: The GGM/NTPC/Ramagundam.

Vidyut Soudha, Khairatabad, Hyderabad-500 082., Tel: Off : 040-23317657, Fax: 040-23320565
www.transco.telangana.gov.in, E-mail: cmd_transco@telangana.gov.in

एनटीपीसी
NTPC

रामगुण्डम
Ramagundam

To
The Chief Engineer/SLDC & Telecom
TSTRANSCO
Vidyut Soudh
Hyderabad-500 082.

Date: 03/08/2015

Dear Sir,

Subject: Restoration plan of Auto Transformer :2 at NTPC Ramagundam.
Ref: Your Letter No. CE/SLDC/SE/DE-PP/ADE1/AE1/ D No. 346/15

This has reference to your above letter regarding restoration of Auto Transformer for 132KV Line-II to Malyalpally substation TSTRANSCO. The transformer has failed during heavy lightening on 30/06/2015 and subsequently it was inspected internally and found R Phase winding has failed. We are in the process of preparing and award a contract on M/s TELK who is OEM of the Transformer. M/s TELK has given a time period of 8 months to repair and so tentative time for restoration shall take nearing one year including transportation to & fro. As we do not have equivalent spare transformer, restoration shall be only after repair of the Transformer.

In the mean time we have received a letter from CMD, TSTRANSCOvide Ref D.O. Lr. No. Div/Trans & Proj/Peshi/F.No.2/D.No 1599/15 dtd: 16/7/2015 through our Regional Executive Director(s) Office, where M/s TSTRANSCO has suggested to spare one 315 MVA 400KV/220KV Transformer, modify the 132 KV bay by providing required equipments by TS Transco and also modify 132 .lines.

The above proposal has been reviewed by us & it seems to be feasible to restore the transformer and line as suggested by TSTRANSCO. Accordingly we have put up the proposal/scheme for approval by our Engg. Section. Soon after approval of the proposal, it shall be intimated to you for necessary action at your end.

This is for your kind information.

CE/SLDC
TS TRANSCO
Inward No.
SE/SLDC
PESHI
CE/SLDC

Yours faithfully,

(RAM KUBER) 3/8/15
GM(O&M)
For NTPC, Ramagundam

CE/SLDC
TS TRANSCO
Inward No. 582
4 AUG 2015
SE/SLDC
PESHI
CE/SLDC

AD
5/8
DE/ [illegible]

Copy to:
1. RED (S)
2. GGM (R) For kind information

Chief Engineer, Construction, TSTRANSCO, Hyd-82
Date:
Reg No.

Copy communicated for taking further action pl.
5/8
DE/ [illegible]
To
CE/Transmission