



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

From
The Executive Engineer
Construction Division
APTRANSCO, Kurnool.

To
The District Forest Officer
Kurnool (T) Division
Kurnool.

Lr.No: EE/CONST/DIV/KNL/F.No.155(F)/D.No.772/22,Dt:12.07.2022.

Madam,

Sub: - APTRANSCO-Construction- Division-Kurnool- Diversion of 2.63 Ha of forest land in Compartment no.313 of Gulamaliabad, South RF (0.87Ha.), Dhone Range and in Compartment No.334 Rangapuram RF (1.76 Ha.), Dhone Range, Kurnool division for the Erection of 220 KV DC line from 400/220 KV SS Jammalamadugu to proposed 220/132/33KV SS Bethamcherla in Kurnool District – Additional information requested to by GoI, MoEF&CC, IRO, Vijayawada – Submitted - Regarding.

Ref:-

1. The State Government letter No. 846/Section.II/2022/(1698927) Dated: 02.05.2022.
2. The Government of India MoEF&CC F.No.4-APB171/2022-VIJ/ 399, Dated:07.06.2022. Govt. Memo no.846/Section.II/2022(1698927), EFS&T(Sec.II), Dept.,dt:13.06.2022 communicated in Prl.CCF & HoF, AP, Guntur Ref.no.ES02-15035/2/2019-FCA SEC-PCCF/FCA-1, Dt.22.06.2022.
3. DFO, Kurnool Division, Kurnool Rc.no.999/2019/H5,Dt.25.06.2022.
4. DFO, Kurnool Division, Kurnool Rc.no.999/2019/H5,Dt.12.07.2022.

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Adverting to the ref(4) cited, the average width of Forest & Non-Forest lands pertaining to the Loc.No.222 is herewith re-submitted and the same will be uploaded online, as below.

Remark (a) : The subject proposal is for laying of 220kv transmission line and as per the Ministry's guidelines required width for such capacity transmission line is 35 Mtrs. However, the UA has proposed lesser width against the standard width. Hence, it is requested that comments may please be offered on the above and clarify whether remaining width falls in Revenue area or otherwise;



Reply:- As per the Chapter-10, Transmission Lines in the Forest Conservation Act, it was mentioned Width of Right of Way for 220KV Voltage level is 35 Meters. Accordingly, DGPS survey was conducted by considering the width of 35 Meters under the presence of Forest Officials. But as the Diversion area is at the verge of Revenue Boundaries, **some of the 35 meters width came under the Non Forest Area which is in Revenue Agricultural land.** The details of each Bit wise break up of Forest and Non Forest land was submitted in the Part-I proposals and mentioned as follows:

S. No	Beat & Compartment No.	APTRANSCO Location	Forest Land			Non Forest Land		
			Avg. Length (Mtr)	Avg. Width (Mtr)	Area (Ha.)	Avg. Length (Mtr)	Avg. Width (Mtr)	Area (Ha.)
1	Compartment No. 313 of Gulamaliabad South RF Beat, Dhone Range	Location No.175 STRETCH-I	248	35	0.87	0	0	0.00
2	Compartment No. 334, Rangapuram RF, Dhone Range	Location No.222 STRETCH-II Bit-I	191.90	28.92	0.55	191.90	6.08	0.12
3	Compartment No. 334, Rangapuram RF, Dhone Range	Location No.227 STRETCH-II Bit-II	289.44	24.59	0.71	285.9	9.65	0.28
4	Compartment No. 334, Rangapuram RF, Dhone Range	Location No.229 STRETCH-II Bit-III	446.84	11.3	0.50	452.23	23.56	1.07
TOTAL					2.63			1.47

At Location No.222, Stretch-II, Bit-I, the forest area is at the edge of the hill and due to steepness of the hill, unable to carry out the DGPS Survey. Hence, average width in the Stretch-II, Bit-I is 28.92 Mtr only, however except for the Non Forest Area, complete forest area DGPS Survey was conducted with the width of 35 Mtrs. (DGPS Surveyed Map is enclosed for reference).

Remark (c) : Site Inspection Report of DFO may kindly be referred to and in this context it may please be informed whether any official/head of office of any government department issued any such orders, to utilize the proposed forest area or its part, for diversion for non-forestry purpose, if so, detailed report on the same may be please be furnished;

Reply:- Orders were issued by APTRANSCO vide Contract Order P.O.No.433/CPT 140/SE-PM/APT-e-21/Bethamcherla/RC.No.4424/D.No.2153/18,Dt:05.01.2018 for Construction of 220KV DC line from 400 KV SS Jammalamadugu to proposed 220/132/33KV SS Bethamcherla. For this line a detailed survey was carried out as per the TOPO sheet which is regular procedure. The tower schedule and profiles were approved by APTRANSCO authorities. **During the survey, no forest area was identified along the proposed route as per the TOPO sheet and the prevailing field conditions.** Hence as per the approved tower schedule and profiles, the line work was taken up and is being carried out. Meanwhile, during September 2020, the forest wing have informed that the certain locations of the above line are falling in the Reserve Forest area. Hence, for all the suspected locations, Joint Inspection was carried out by the three Departments i.e. Forest, Revenue and APTRANSCO Departments and it was finally concluded that three locations i.e. 222,227,229 are falling in Reserve Forest area as per Gazette Notification.

In this context, it is to submit that the line construction work was taken up as per the Departmental procedure in vogue and the **forest area could not be identified due to unclear demarcation of boundaries.** APTRANSCO was unaware of the forest area and taken up the construction work in the Interest of Public as a State Public Utility, but not with an intent of deliberate violation of Forest Act.

Enclosures:-

As above


EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL

Copy Submitted to:-

The Principle Chief Conservator of Forests & Head of Forest Force, Andhra Pradesh, Guntur. (*)

The Conservator of Forests/Kurnool-Circle/Kurnool. (*)

Copy Submitted to:-

The Chief General Manager/Projects/Vidyut Soudha/Vijayawada. (*)

The Chief Engineer/Kadapa Zone/Kadapa. (*)

The Superintending Engineer/Construction-Circle/Kurnool, (*)

(*) for favour of information please.

Copy to:-The Deputy Executive Engineer/Construction/SD-II/Kurnool. (*)
for information.

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

From
The Chief Engineer,
Construction,
APTRANSCO, Vidyut Soudha,
Vijayawada .

To
M/s. Megha Engineering & Infrastructures Ltd.,
S-2, Technocrats Industrial Estate,
Balanagar, Hyderabad – 500 037
Telangana, India.
Tel: 040-44336700, Fax: 040-44336800

Contract order P.O.No. 433 /CPT140 / SE-PM/APT-e-21/Bethamcherla /R.C.No. 4424; D. No. 2153 /18,Dt : 05 -01-2018.

Sir,

Sub : APTRANSCO - Bid No. APT-21/2016 - Supply, Erection, Testing and Commissioning of A) i) 220/132/33KV Substation at Bethamcherla and ii) 220 kV DC Line (68 KM) from 400KV SS Jammalamadugu to proposed 220KV SS Bethamcherla in Kurnool District; B) i) 220KV DC Moose line from 400KV Jammalamadugu SS to 220KV Tadipatri SS and ii) 220KV Bay Extensions at 220KV Tadipatri SS in Ananthapur district; C) i) 132KV LILO of both circuits of 132KV DC line from 132KV Suzlon Wind Pooling Station-existing 132KV Jammalamadugu SS to the proposed 400/220/132KV Jammalamadugu SS(2X6KM), ii) 132KV LILO of both the circuits of existing 132KV DC/SC Badvel-Porumamilla line to the proposed 220KV SS Porumamilla on Normal Towers(1x2Km), iii) Stringing of 2nd circuit on 132KV DC/SC Badvel-Porumamilla line(36.7 km), iv) 132KV Bay Extensions at 220KV Porumamilla SS (required for LILO of Badvel-Porumamilla), v) 132KV Bay extensions at 132/33KV Porumamilla SS and vi) 132KV Bay Extensions at 132/33KV Badvel SS in Kadapa district on turnkey basis in the state of AP under International Competitive Bidding (ICB) -Detailed Contract Order - Issued – Regarding

- Ref :
1. Bid No. APT-21/2016.
 2. Your offer against Bid No. APT-21/2016.
 3. NOA No. Lr. No. CPT 140/SE PM/ICB 6/F. Bethamcherla/D.No. 1241/17, dt: 05/06/2017.
 4. Company acceptance letter MEIL/PD/BD/APT/APT-21/2016/LOI Acceptance, dt: 14/06/2017.
 5. Lr.No.CPT140/SE PM/ICB6/F.Bethamcherla/D.No.1970/17;dt:24.11.2017

-oOo-

I, acting for and on behalf of and by the order and direction of the TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED (herein after called 'APTRANSCO') accept the prices offered in your offer vide cited ref (2) against APTRANSCO's International Competitive Bidding documents for Bid No. APT-21/2016 for Supply, Erection, Testing and Commissioning of A) i) 220/132/33KV Substation at Bethamcherla and ii) 220 kV DC Line (68 KM) from 400KV SS Jammalamadugu to proposed 220KV SS Bethamcherla in Kurnool District; B) i) 220KV DC Moose line from 400KV Jammalamadugu SS to 220KV Tadipatri SS and ii) 220KV Bay Extensions at 220KV Tadipatri SS in Ananthapur district; C) i) 132KV LILO of both circuits of 132KV DC line from 132KV Suzlon Wind Pooling Station-existing 132KV Jammalamadugu SS to the proposed 400/220/132KV Jammalamadugu SS(2X6KM), ii) 132KV LILO of both the circuits of existing 132KV DC/SC Badvel-Porumamilla line to the proposed

C- 220KV SS Porumamilla on Normal Towers(1x2Km), iii) Stringing of 2nd circuit on 132KV DC/SC Badvel-Porumamilla line(36.7 km), iv) 132KV Bay Extensions at 220KV Porumamilla SS (required for LILO of Badvel-Porumamilla), v) 132KV Bay extensions at 132/33KV Porumamilla SS and vi) 132KV Bay Extensions at 132/33KV Badvel SS in Kadapa district on turnkey basis in the state of AP against bid specification under reference (1) cited, is hereby accepted for a total amount **Rs.102,45,71,424/- (Rupees one hundred and Two crores Forty Five Lakhs Seventy One Thousand Four Hundred and twenty Four only)** in pre GST regime vide ref 3rd cited. After updating the above contract value with GST tax structure the contract for a total value of Rs **102,90,14,005/- (Rupees One hundred and Two Crores Ninty Lakhs Fourteen thousand and Five only)** as detailed in Schedules for Supplies and Erection enclosed, subject to the terms and conditions set out in this order modifying certain clauses of the specification in view of GST implementation. This order is issued in regularization of 'Notification of Award' issued in the reference 3rd cited and your acceptance letter 4th cited.

1.0. SCOPE:

The Scope of this order covers Supply, Erection, Testing and Commissioning of A) i) 220/132/33KV Substation at Bethamcherla and ii) 220 kV DC Line (68 KM) from 400KV SS Jammalamadugu to proposed 220KV SS Bethamcherla in Kurnool District; B) i) 220KV DC Moose line from 400KV Jammalamadugu SS to 220KV Tadipatri SS and ii) 220KV Bay Extensions at 220KV Tadipatri SS in Ananthapur district; C) i) 132KV LILO of both circuits of 132KV DC line from 132KV Suzlon Wind Pooling Station-existing 132KV Jammalamadugu SS to the proposed 400/220/132KV Jammalamadugu SS(2X6KM), ii) 132KV LILO of both the circuits of existing 132KV DC/SC Badvel-Porumamilla line to the proposed 220KV SS Porumamilla on Normal Towers(1x2Km), iii) Stringing of 2nd circuit on 132KV DC/SC Badvel-Porumamilla line(36.7 km), iv) 132KV Bay Extensions at 220KV Porumamilla SS (required for LILO of Badvel-Porumamilla), v) 132KV Bay extensions at 132/33KV Porumamilla SS and vi) 132KV Bay Extensions at 132/33KV Badvel SS in Kadapa district on turnkey basis as per bidding documents of Bid No. APT-21/2016. The rates indicated in Schedules A & B appended to this order are for Supply and Erection respectively.

2.0 ABSTRACT OF SUPPLY PRICES:

Detailed schedule of prices and items is enclosed to the Purchase Order.

Si.No	Description	Amount in Rs.
6A	Supply, erection, testing & commissioning of 220/132/33KV Substation at Bethamcherla in Kurnool district.	163,448,536.82
6B	Supply, erection, testing & commissioning of 220KV DC line from Proposed Bethamcherla SS to 400KV SS Jammalamadugu in Kurnool district.	378,419,831.84
6C	Supply, erection, related civil works, testing & commissioning of 220KV DC Moose line from 400KV Jammalamadugu SS to 220KV Tadipatri SS in Ananthapur dist.	283,627,228.60

6D	Supply, erection, testing & commissioning of 220KV Bay Extensions at 220KV Tadipatri SS in Ananthapur district	28,991,527.57
6E	Supply, erection, testing & commissioning of 132KV LILO of both circuits of 132KV DC line from 132KV Suzlon Wind Pooling Station-existing 132KV Jammalamadugu SS to the proposed 400/220/132KV JammalamaduguSS(2X6KM) in kadapa dist.	80,976,630.76
6F	Supply, erection, testing & commissioning of 132KV LILO of both the circuits of existing 132KV DC/SC Badvel-Porumamilla line to the proposed 220KV SS Porumamilla on Normal Towers(1x2Km) in kadapa dist.	23,082,728.77
6G	Stringing of 2 nd circuit on 132KV DC/SC Badvel-Porumamilla line(36.7 km) in kadapa dist.	25,994,075.85
6H	Supply, erection, testing & commissioning of 132KV Bay Extensions at 220KV Porumamilla SS(required for LILO of Badvel-Porumamilla) in kadapa dist	23,634,289.90
6I	Supply, erection, testing & commissioning of 132KV Bay extensions at 132/33KV Porumamilla SS in kadapa dist	8,583,670.01
6J	Supply, erection, testing & commissioning of 132KV Bay Extensions at 132/33KV Badvel SS in Kadapa district	12,255,485.13
Total Package cost including taxes		1,029,014,005.25

Or say Rs.1,029,014,005/-

Rs 102,90,14,005/- (Rupees One hundred and Two Crores Ninty Lakhs Fourteen thousand and Five only)

3.0 PRICES AND PRICE ADJUSTMENTS:

3.1 The Prices shall be as specified in Particular Condition Sub-Clause 11 of Volume - I of Bidding Document and Appendix - 2 of the specification.

The Prices of the Plants / materials (Equipment and material) except Conductor and cable shall be fixed. The prices of all Erection schedules/works are Fixed.

A reference for adjudication under this clause shall be made by either party to the contract, within one year from the date of intimating the contractor of payment of bill or his having accepted the payment.

35.0 CORRESPONDENCE:

All the correspondence regarding the technical matters / works / payments / other matters shall be addressed to the Superintending Engineers of the respective zones with copies marked to this office and Chief Engineer/Kadapa Zone.

35.1 GENERAL CONDITIONS OF CONTRACT AND PARTICULAR CONDITIONS OF CONTRACT:

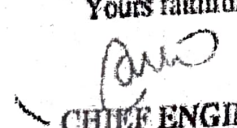
Except it is provided otherwise in this contract, all the general, technical, commercial terms and conditions stipulated in the bidding documents for this contract shall be deemed to be

36.0 DETAILS OF ENCLOSURES:

The following are the enclosures to this order, which form part of the contract:
Supply schedules and Erection schedules

Please note that all terms & conditions of Volume - I & II of specification will form part of this Order.

Yours faithfully,


**CHIEF ENGINEER
CONSTRUCTION**

(For and on behalf of APTRANSCO)

Copy to be returned to APTRANSCO by the Contractor duly signed on every page of this order in acknowledgement and acceptance of this order.

We accept the terms and conditions of this order.


SIGNATURE OF THE CONTRACTOR

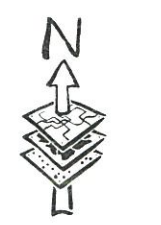
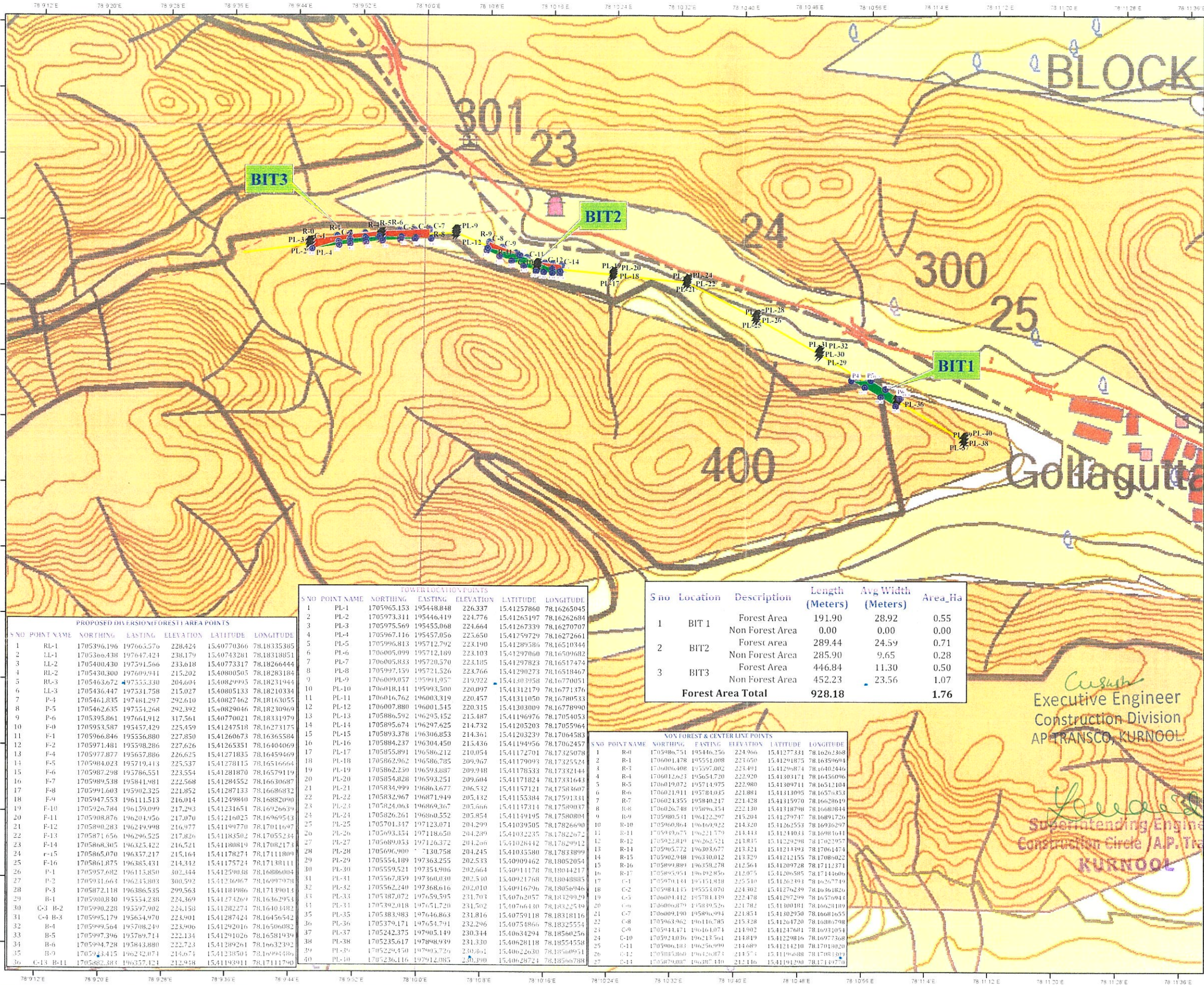
Copy communicated to the:

- 1 Chief Engineer/Civil/APTRANSCO/ Vidyut Soudha/Vijayawada.
- 2 Chief Engineer/Telecom/APTRANSCO/Vidyut Soudha/Vijayawada.
- 3 Chief Engineer / Zone / Kadapa.
- 4 FA & CCA (Accounts)/ APTRANSCO/ Vidyut Soudha/Vijayawada.

Copy to:

- 5 SAO / P & A / APTRANSCO / Vidyut Soudha / Vijayawada.
- 6 Superintending Engineer/ Construction/APTRANSCO/Kurnool
- 7 Superintending Engineer/ Construction/APTRANSCO/Kadapa
- 8 Superintending Engineer/ OMC/APTRANSCO/Ananthapur
- 9 The Executive Engineer / Construction/APTRANSCO/Kurnool, Kadapa, Ananthapur.
- 10 The Executive Engineer/Civil/ Kurnool, Kadapa, Ananthapur.

Map Showing the DGPS Survey of Proposal for Diversion of Forest land for Erection of 220 KV DC line from 400/220 KVSS Jammalamadugu to Proposed 220/132/33 KV SS Bethamcherla in Kurnool District Passing through Compartment No-334 of Rangapuram RF Block, Rangapuram Beat, Dhone Range, Kurnool Division (STRETCH-II).



1:10000



Legend

- DGPS SURVEYED POINTS
- DGPS SURVEYED TOWER LOCATIONS
- PROPOSED DIVERSION(Forest) AREA
- NON FOREST AREA
- CENTRAL LINE

G. Hulsane
Forest Beat Officer
Rangapuram Beat

FBO
DEPUTY RANGE OFFICER
DHONE SECTION, DHONE.

FSO
FOREST RANGE OFFICER
DHONE RANGE

FRO

DFO
District Forest Officer
KURNOOL

Executive Engineer
Construction Division
AP TRANSCO, KURNOOL.

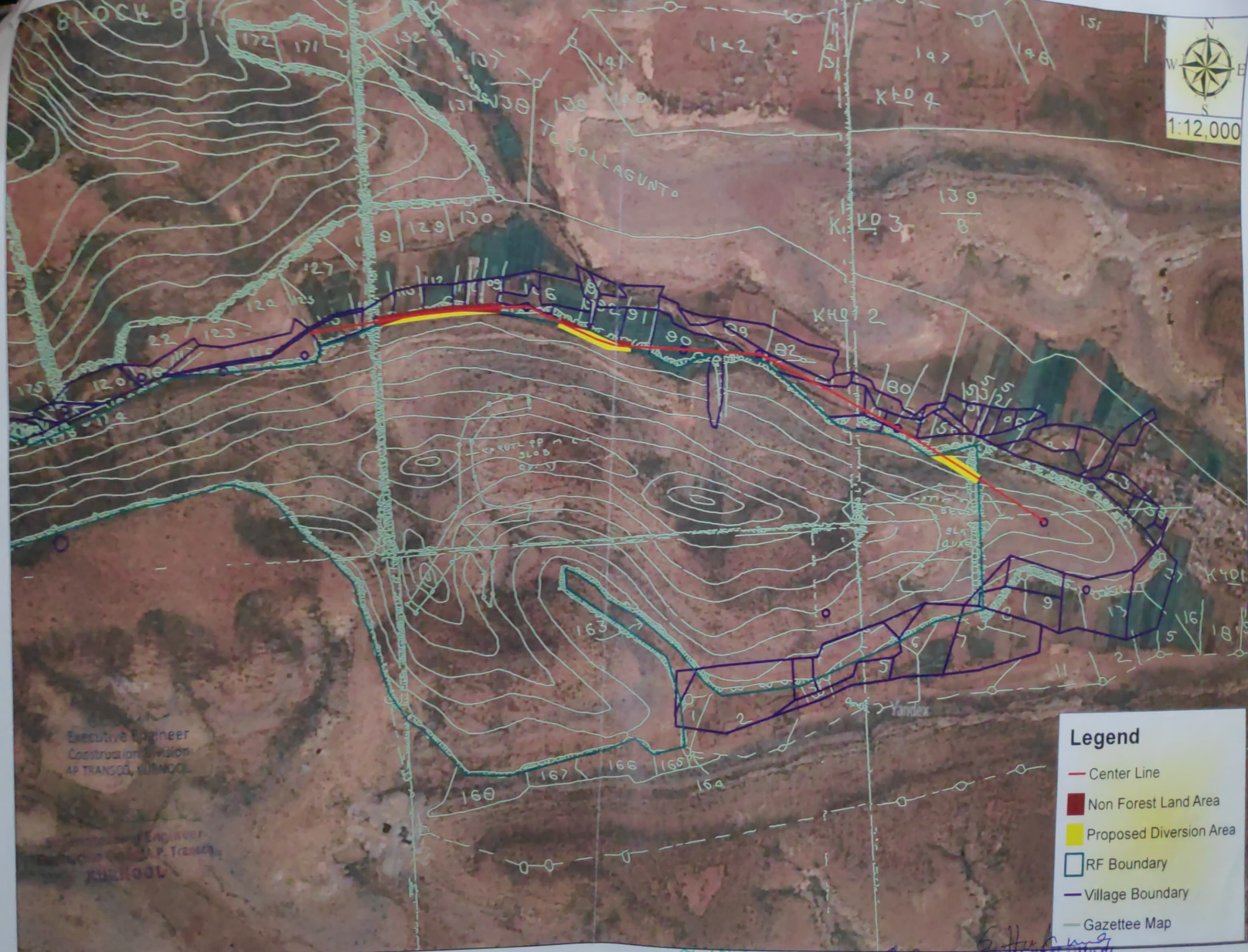
Superintending Engineer
Construction Circle / A.P. Transco
KURNOOL



TOWER LOCATION POINTS					
S NO	POINT NAME	NORTHING	EASTING	ELEVATION	LONGITUDE
1	PL-1	1705965.153	195448.848	226.337	15.41257860
2	PL-2	1705973.311	195446.419	224.776	15.41265197
3	PL-3	1705975.569	195455.068	224.664	15.41267339
4	PL-4	1705967.116	195457.056	223.650	15.41297929
5	PL-5	1705996.813	195712.792	223.190	15.41289506
6	PL-6	1706005.099	195712.149	223.103	15.41297960
7	PL-7	1706005.833	195720.570	223.105	15.41297823
8	PL-8	1705997.159	195721.526	223.766	15.41290273
9	PL-9	1706009.057	195991.957	219.022	15.41303558
10	PL-10	1706018.141	195993.500	220.097	15.41312179
11	PL-11	1706016.762	196003.319	220.457	15.41311050
12	PL-12	1706007.880	196001.545	220.315	15.41303809
13	PL-13	1705986.592	196295.152	215.487	15.41196976
14	PL-14	1705989.5674	196297.625	214.732	15.41205203
15	PL-15	1705993.378	196306.853	214.361	15.41203239
16	PL-16	1705984.237	196304.450	215.436	15.41194956
17	PL-17	1705955.891	196586.212	210.054	15.41172701
18	PL-18	1705962.962	196586.705	209.967	15.41179093
19	PL-19	1705962.250	196593.887	209.918	15.41178533
20	PL-20	1705954.828	196593.251	209.604	15.41171824
21	PL-21	1705834.999	196866.367	206.532	15.41157121
22	PL-22	1705832.967	196871.949	205.142	15.41155384
23	PL-23	1705824.063	196869.307	205.666	15.41147311
24	PL-24	1705826.261	196860.552	205.854	15.41149195
25	PL-25	1705701.347	197123.071	204.299	15.41039505
26	PL-26	1705693.354	197118.650	204.289	15.41032235
27	PL-27	1705689.053	197126.372	204.266	15.41028442
28	PL-28	1705696.900	197130.758	204.245	15.41035580
29	PL-29	1705554.189	197363.255	202.533	15.40999462
30	PL-30	1705559.521	197354.906	202.664	15.40911178
31	PL-31	1705567.859	197360.030	202.530	15.40921768
32	PL-32	1705562.240	197368.616	202.010	15.40916796
33	PL-33	1705487.072	197659.595	231.703	15.40762057
34	PL-34	1705392.018	197651.720	231.502	15.40766430
35	PL-35	1705383.983	197646.863	231.816	15.40759118
36	PL-36	1705379.171	197654.791	232.296	15.40754866
37	PL-37	1705242.375	197905.119	230.344	15.40634294
38	PL-38	1705235.617	197898.939	231.330	15.40628118
39	PL-39	1705229.540	197905.726	230.861	15.40622630
40	PL-40	1705236.116	197912.085	230.390	15.40628274

S no	Location	Description	Length (Meters)	Avg Width (Meters)	Area_Ha
1	BIT 1	Forest Area	191.90	28.92	0.55
		Non Forest Area	0.00	0.00	0.00
2	BIT2	Forest Area	289.44	24.59	0.71
		Non Forest Area	285.90	9.65	0.28
3	BIT3	Forest Area	446.84	11.30	0.50
		Non Forest Area	452.23	23.56	1.07
Forest Area Total			928.18		1.76

NON FOREST & CENTER LINE POINTS						
S NO	POINT NAME	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
1	R-0	1705986.751	195446.256	224.966	15.41277331	78.10262368
2	R-1	1706001.478	195551.008	223.650	15.41291075	78.16359604
3	R-2	1706006.406	195597.002	223.491	15.41298874	78.16420440
4	R-3	1706012.253	195651.720	222.920	15.41303471	78.16456096
5	R-4	1706019.072	195714.975	222.980	15.41309111	78.16511204
6	R-5	1706021.911	195783.035	221.881	15.41311095	78.16576353
7	R-6	1706024.355	195840.217	221.428	15.41315970	78.16636190
8	R-7	1706026.748	195896.354	222.130	15.41318798	78.16680844
9	R-8	1705980.511	196122.297	215.204	15.41279747	78.16819726
10	R-9	1706036.064	196169.922	214.320	15.41265553	78.16932697
11	R-10	1706041.913	196221.379	213.443	15.41241033	78.16961601
12	R-11	1706042.819	196262.521	213.835	15.41242986	78.17023957
13	R-12	1706045.722	196308.657	213.321	15.41241993	78.17042974
14	R-13	1706048.625	196354.793	212.809	15.41241033	78.17086022
15	R-14	1706049.898	196359.278	212.565	15.41240728	78.17103438
16	R-15	1706051.594	196392.856	212.054	15.41236658	78.17141660
17	R-16	1706052.141	196413.818	210.540	15.41262491	78.16267749
18	R-17	1706058.415	196553.002	204.302	15.41276239	78.16361826
19	R-18	1706060.432	196578.138	202.478	15.41297239	78.16576941
20	R-19	1706063.679	196839.326	211.782	15.41300181	78.16628189
21	R-20	1706069.190	196896.994	211.833	15.41302550	78.16816055
22	R-21	1706076.613	196954.666	211.828	15.41304913	78.16981265
23	C-7	1705944.141	196406.074	141.902	15.41324761	78.09681654
24	C-10	1705921.036	196218.561	141.891	15.41229816	78.09773368
25	C-11	1705901.831	196256.999	141.689	15.41241210	78.17013020
26	C-12	1705878.5860	196126.871	141.574	15.41196688	78.17013875
27	C-14	1705870.080	196387.140	141.416	15.41191420	78.08143970



Executive Engineer
Construction Division
AP TRANSOC, KURNOOL

Sub-Engineer
Survey Division, P. Transoc,
KURNOOL

Legend

- Center Line
- Non Forest Land Area
- Proposed Diversion Area
- RF Boundary
- Village Boundary
- Gazettee Map

FOREST RANGE OFFICER
DHONE RANGE

DEPUTY RANGE OFFICER
DHONE SECTION, DHONE.

Forest Beat Officer,
Rangapuram Beat