



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कॉम्पस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

टेली / Tele : 040 - 29562147 / 48

ई-मेल / E-mail : rohyderabad@nhai.org
nhairohyd@gmail.com



भारतमाला
प्रगति से यम या यमना
BHARATMALA
ROAD TO PROSPERITY

NHAI/RO-HYD/25011/3/8/2021/A-P/UT.SRVCS/2294

Dt.02.02.2021

Notice Inviting Public Comments for Supply, erection, testing and commissioning of 220/11 KV LIS substation at Manchippa and its connected line from 400/220 KV SS Dichpally-Stringing of transmission line (Dichpally- Manchippa crossing) on NH-44 of Nagpur- Vijayawada section between location no. 14&15 near Sampally Village at Km 337+400 in the State of Telangana

Sub: NHAI - RO Hyderabad - PIU Nirmal- Supply, erection, testing and commissioning of 220/11 KV LIS substation at Manchippa and its connected line from 400/220 KV SS Dichpally-Stringing of transmission line (Dichpally- Manchippa crossing) on NH-44 of Nagpur- Vijayawada section between location no. 14&15 near Sampally Village at Km 337+400 in the State of Telangana-Stringing of line across NH-44- **Reg.**

Ref: 1. PIU Nirmal letter no.NHAI/PIU-NRML/ Elect/Utility/2020/272, dated 31.12.2020

The Project Director, PIU, NHAI, Nirmal vide letter cited above has submitted a Proposal for crossing span between Location no. 14 and Location no. 15 near Sampally Village at Km.337+400 for 'Supply, erection, testing and commissioning of 220/11 KV LIS substation at Manchippa and its connected line from 400/220 KV SS Dichpally-Stringing of transmission line (Dichpally- Manchippa crossing) on NH-44 of Nagpur- Vijayawada section'.

2. The proposal has been examined as per Ministry's Guidelines vide letter no.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and is generally found in order

3. In view of above, as per above Ministry's guidelines Para 4, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

Comment Inviting Authority

The Regional Officer,
National Highways Authority of India,
Regional Office: Hyderabad,
First Floor, New Building,
Administrative Staff College of India(ASCI),
College Park Campus, Road No.3,
Banjara Hills, Hyderabad - 500 034,
Telangana State,
Phone: 040-29562147, 040-29562148,
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Encls: Above Proposal

Yours faithfully,


(P.Nageswara Rao)

General Manager (Tech.)

For Regional Officer-cum-
Highway Administrator, Hyderabad

To:

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

Copy to:-The Project Director, NHAI, PIU Nirmal: for information

FORM-A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

Sub: NHAI - RO Hyderabad - PIU Nirmal- Supply, erection, testing and commissioning of 220/11 KV LIS substation at Manchippa and its connected line from 400/220 KV SS Dichpally-Stringing of transmission line (Dichpally- Manchippa crossing) on NH-44 of Nagpur-Vijayawada section between location no. 14&15 near Sampally Village at Km 337+400 in the State of Telangana- Stringing of line across NH-44 **Reg.**

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

TRANSMISSION CORPORATION OF TELANGANA LIMITED

From

The Executive Engineer,
LIS, Division, TSTRANSCO,
Arya Nagar,
NIZAMABAD-503001

To

The Dy. General Manager (Tech) &
Project Director,
Project Implementation Unit,
National Highways Authority of India,
1-3-594, Road No.6, Sasthrynagar,
Nirmal -504 106.

Lr.No. EE/LIS/Const./NZB/Tech/F. 220 KV Manchippa Line/D.No. 25/18.Dt. 20-4-2019

Sir,

Sub:-Construction Division, Nizamabad- Supply, erection, testing and commissioning of 220/11 kV LIS Substation at Manchippa and its connected line from 400/220 kVSS Dichpally-Stringing of transmission line (Dichpally-Manchippa) crossing NH-44 between Location No.14 & 15 near Sampally village) - Under taking from TSTRANSCO - Requested arrange to accord for NOC - Regarding.

Ref: 1. Memo.No. ED/ LIS/SE(LI)/DE(LIS)/ADE-4/Manchippa /D.No.246,Dt.09.08.2017.
2. Memo.No.SE/LIS/KNR/Tech/F.Manchippa/D.No.998/18,DT.09.11.2018

Through the reference cited ,TS TRANSCO is proposed to lay the 220 KV DC line from 400/220 KV SS Dichpally to proposed 220/11 KV LIS SS,Manchippa .This line crosses the NH 44 near Sampally village) ,In this connection, as per the recommendations made by NHAI, we are submitting as and ensure as follows,

- 1) a) The exact chainage of the location of power line crossing at NH-44 between Loc. No.14 & 15 near Sampally village) of NH is furnished in the drawings.
- b) The details of reinforcement and grade of concrete has been indicated in the drawings.
- 2) The design of all the components of the structures is adequate.
- 3) No part of the foundation of electrical tower will fall in ROW of NHAI.
- 4) The electrical towers are erected at more than 100 meters from the edge of the ROW and avenue plantation.
- 5) After accounting the maximum possible sag in the bottom conductor, the vertical clearance at road crossing point is 15.42 meters
- 6) Guard cradle is not necessary as the conductor stringing will be done with 2 Nos. Tension Insulator strings on either side at the locations of crossing the Highway.
- 7) TSTRANSCO will follow the provisions of IRC 32-1969, CEA Regulations/ Statutory Provisions of Indian Electricity Rules and other relevant guidelines issued on the above subject matter by NHAI, MORT & H.
- 8) The list and contact numbers of responsible engineers of TSTRANSCO available at site will be provided to NHAI for co-ordination at site level.
- 9) TSTRANSCO will take all the necessary arrangements for carrying out the stringing activity in the High way crossing.
- 10) In case, if any lane closure is required for carrying such works, necessary permission will be obtained in advance from NHAI authorities for smooth and uninterrupted flow of traffic along the National Highway.
- 11) The required safety, protection, structural stability and undertakings are already submitted by TSTRANSCO.

Hence, it is requested to arrange to issue NOC to carry out the stringing activity for the subject line at the earliest.

Encl: 1) Undertaking-3 Nos
2) Drawings.

Yours faithfully,


Executive Engineer,
LIS, Division,
Nizamabad.

Copy submitted to
The Superintending Engineer LIS Circle / TSTRANSCO/Karimnagar .
The Executive Director LIS/TSTRANSCO Vidyuth Soudha / Hyderabad



తెలంగాణ తెలంగాణ TELANGANA

P 891540

UDIGONDA RAJI
LICENCED STAMP VENDOR
(No. 18-09-01/2017 R. No. 18-0
Gayatri Nagar, Nizamabad
Cell: 9440792429

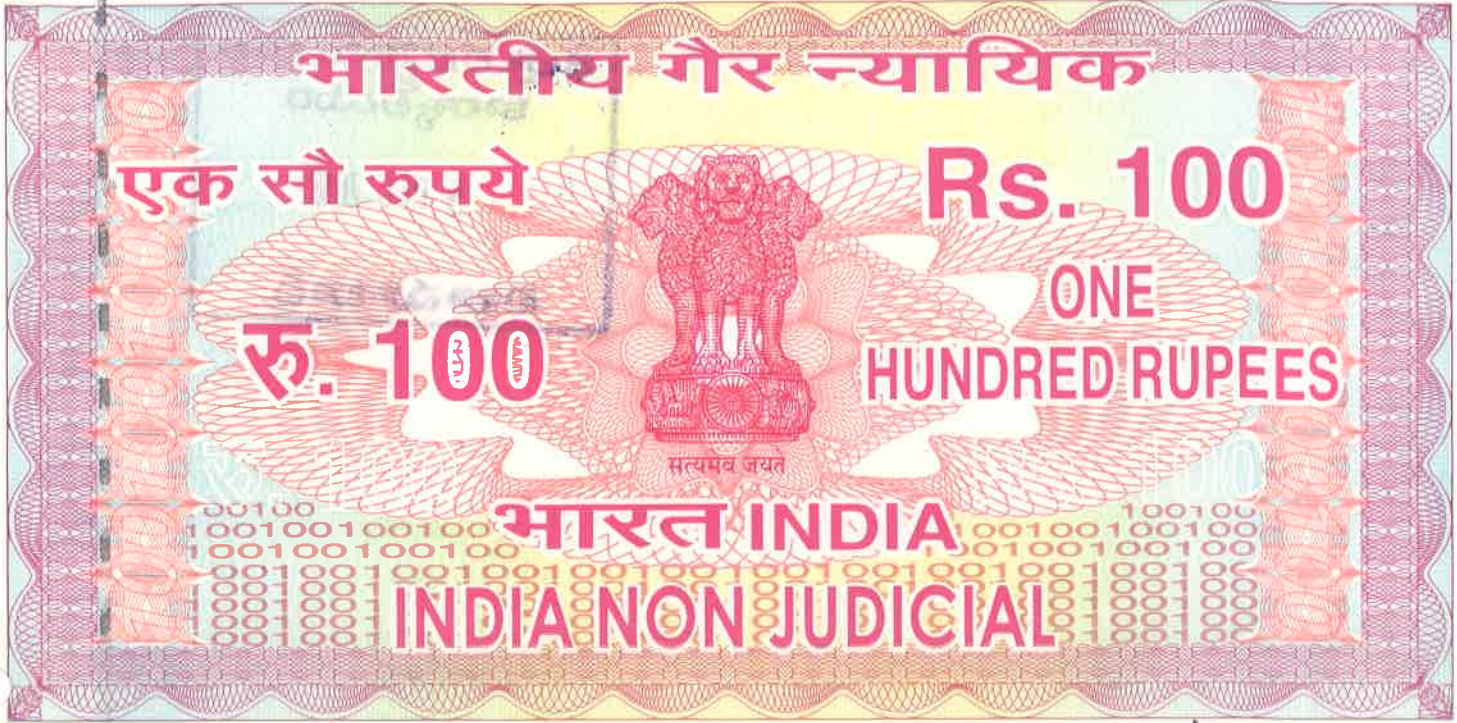
UNDER TAKING

It is proposed to carry out stringing activity of 220 kV Transmission line which is passing from 400/220 kVSS Dichpally to proposed 220/11 kVSS at Manchippa of Nizamabad district. This section is crossing near Sampally village on NH-44 between Location No.14 & 15 This section of the National Highway is under the control of Project Director, Project Implementation Unit, NHAI, Nirmal.

Stringing would be executed by Transmission Corporation of Telangana State Limited through agency M/s Lambourne Projects, Hyderabad.

In this context, I (Sri Satya Prakash Singh, Executive Engineer/LIS Division/Nizamabad), on behalf of TSTRANSCO here by undertake that during the 6 laning or further development works in Nirmal town section of NH-44 of the National Highway 44, TSTRANSCO would relocate the Transmission lines at own cost as per the instructions of NHAI.

Sri Satya Prakash Singh
Executive Engineer,
LIS, Division /Nizamabad



తెలంగాణ తెలంగాణ TELANGANA
Sl. No. 1-20 Date 01/02/19 Rs. 100
Sold to Satya Prakash Singh, Sri Ram Prasad Singh
For whom Rb N2A

P 891542
MUDIGONDA RAJI
LICENCED STAMP VENDOR
I.No. 18-09-01/2017 R. No. 18-0
Gayatri Nagar, Nizamabad
Cell: 9440792429

UNDER TAKING

It is proposed to carry out stringing activity of 220 kV Transmission line which is passing from 400/220 kVSS Dichpally to proposed 220/11 kVSS at Manchippa of Nizamabad district. This section is crossing near Sampally village on NH-44 between Location No.14 & 15. This section of the National Highway is under the control of Project Director, Project Implementation Unit, NHAI, Nirmal.

Stringing would be executed by Transmission Corporation of Telangana State Limited through agency M/s.Lambourne Projects, Hyderabad.

In this context, I (Sri.Satya Prakash Singh, Executive Engineer/LIS Division/Nizamabad), on behalf of TSTRANSCO here by undertake that TSTRANSCO would pay or compensate for the damage caused to the NHAI property as per the directions of the PD, PIU, NHAI, Nirmal on National Highway section of NH-44 during the execution of the above work.

Sri Satya Prakash Singh
Executive Engineer,
LIS, Division /Nizamabad



తెలంగాణ తెలంగాణ TELANGANA

Sr.No. 19 Date 01/02/19 Rs. 100

Sold to Satya Prakash Singh Sh. Kote Sri Ram Prasad Singh
For whom Self Rb 12

P 891541
MUDIGONDA RAJI
LICENCED STAMP VENDOR
I.No. 18-09-01/2017 R. No. 18-0
Gayatri Nagar, Nizamabad
Cell: 9440752429

UNDERTAKING

It is proposed to carry out stringing activity of 220 kV Transmission line which is passing from 400/220 kVSS Dichpally to proposed 220/11 kVSS at Manchippa of Nizamabad district. This section is crossing near Sampally village on NH-44 between Location No.14 & 15 . This section of the National Highway is under the control of Project Director, Project Implementation Unit, NHAI, Nirmal.

Stringing would be executed by Transmission Corporation of Telangana State Limited through agency M/s. Lambourne Projects, Hyderabad.

In this context, I (Sri Satya Prakash Singh, Executive Engineer/LIS Division/Nizamabad), on behalf of TSTRANSCO here by undertake that TSTRANSCO would assume the responsibility in case of any accidents or any incidents happened due to lack of safety measures, from TSTRANSCO on National Highway section of NH-44 during the execution of the above work.

Sri Satya Prakash Singh
Executive Engineer,
LIS, Division /Nizamabad

COMPLIANCE /REQUIREMENT OF HT LINE CROSSING-NHAI

S.No.	Description	Compliance yes/No
1	Exact chainage of the location of power line crossing NH-44 after Indalwai toll Plaza and near Sampally village shall be furnished in the drawings. Drawings does contain the relavent details like grade of Concrete/Details of reinforcement,dimensions for foundation and details of guard cradle etc.	Chainage furnished in the drawings,foundation drawing furnished
2	The adequacy of design of all the components of various structures shall be ensured by TS Transco	Yes
3	No part of the foundation of electrical tower shall in ROW of NHAI	Yes
4	Electricals towers including supporting structures if any ,shall be erected at least 10.0 meters from the edge of the ROW and are the minimum distance of 5.0 meters from the nearest line of avenue plantation	Yes
5	Minimum vertical clearance of the overhead electrical line for the crossing the national high way shall be in accordance with the guide line mentioned in the central electrical authority Regulations/Statutory provisions of Indian electrical Rules	Yes
6	The work executing department i.e., TS Transco, LIS ,Nizamabad shall be conveyed to the follow of IRC:32-1969,Central electrical authority Regulation/Statutory provisions of Indian Electrical Rules and other relavent guidelines issued on the subject matter by NHAI,MORTH and H	Yes
7	A copy of the work program ,particularly for the work related to the crossing NH-44 after Indalwai toll Plaza and near Sampally village shall be provided NHAI well in advance. The changes in the given work program ,shall be provided to the NHAI well in advance.	Yes
8	List and contact number of responsible engineers of the above agency ,available at site shall also be provided to the NHAI for coordination at site level	Yes
9	All the necessary safety arrangements shall be taken by the concerned department TS Transco for carry out the works referred under the subject matter.	Yes
10	In case if any lane closure is required for carrying such works necessary permission shall be obtained well in advance from NHAI authorities for smooth and uninterrupted flow of traffic along the national highway	Yes
11	The arrangements proposed by the department for the safety, protection, structural stability and required undertaking shall be submitted by the above department alone with the application and the same shall be adhered to and implemented	Yes
12	As stated in the under taking submitted by TS Transco they have to commence the work after obtaining approval from the NHAI	Yes


Assistant Engineer
 LIS Construction,
 TS TRANSOCO, Nizamabad.


Executive Engineer
 LIS Construction,
 TS TRANSOCO, NIZAMABAD.

220 KV DC Transmission Line
National High Way-44 Crossing Details

Sl No	Details	Remarks
1	Location No.& Type of Tower	Loc.No.14 & 15, TSP C+6 Tower
2	Left side Mile Stone	<u>Nagpur 337-338</u>
3	Right side Mile Stone	
4	Left side station (to the line in forward Direction)	Hyderabad
5	Right side station (to the line in forward Direction)	Nagpur
6	Clearance of the Road Top to Bottom Conductor	21.53 Mtrs
7	National High way	NH-44 (Nagpur-Hyderabad)
8	Right side village Name	Mentraj pally
9	Left side village Name	Sampally village


Assistant Engineer
LIS Construction,
TSTRANSCO, Nizamabad.


Executive Engineer
LIS Construction,
TS TRANSCO, NIZAMABAD.

DETAILS OF POWER LINE CROSSING ON NH-44 AT SAMPALLY VILLAGE

Sl No	Description of item	Information	Remarks
1	Name of the work	220 KV DC line from 400/220 kVSS Dichpally- to 220/11 KV LIS SS at Manchippa over head line crossing on NH-44 between Location No.14&15 near Sampally village)	
2	Name and address of the applicant	Sri.Satya prakash singh, Executive Engineer, LIS,Division, Nizamabad	
3	Nation highway no.,Station	NH-44 Nagpur-Hyderabad section near Sampally village Nizamabad District	
4	Crossing of Line between mile stone	Nagpur 337-338	
5	Width of available ROW		
a)	Location of left side tower from the centre of line of NH	100 Mtrs	TSP C+6 Tower
b)	Location of Right side tower from the centre of line of NH	100 Mtrs	TSP C+6 Tower
c)	Span between the towers	200 Mtrs	
d)	Centre line of the tower from the NH(left side)	100 Mtrs	
e)	Centre line of the tower from the NH(Right side)	100 Mtrs	
6	Vertical clearance of the Power line from the lowest conductor to the centre of Road level	21.53 Mtrs	
7	Minimum electrical Ground clearance for the 132 KV Power lines as per IS:5613 of 1976 and IE rules,1956	12.5 Mtrs	
8	Height of the Towers	43.98 Mtrs Both	


Assistant Engineer
LIS Construction,
TSTRANSCO, Nizamabad.


Executive Engineer
LIS Construction,
TSTRANSCO, NIZAMABAD.


PROJECT DIRECTOR
National Highways Authority of India
PIU, Nizamabad.

TS TRANSCO LIMITED



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Office of the
Chief Engineer / Construction
Viduth Soudha / Hyderabad - 82.



Memo No. CTT 210 / SL-TM-H/MS/D.No. 866 / 08, dt. 4.09.2008.

Sub:- Minimum ground clearance across the National Highway-7 locations in between Boothpur and Alampur cross roads - Reg.

Ref:- 1. Lr. No.SL/TLS&SS/THY/ADE (TYD.No.758/08, dt. 04.08.2008.
2. Memo.No.CE/Const/DE/Designs/132 KV/D.No.155/08, dt. 30.08.08.

The Attention of Superintending Engineer/TLC/Hyderabad is invited to the ref (1) cited, where in it was requested to communicate the minimum ground clearances for the EHT lines. In this regard, the following clearances are herewith communicated for 132, 220 & 400 KV lines vide ref (2) cited.

For 132 KV lines }
220KV lines } 12.5 mtr above Highway
400 KV lines }

CHIEF ENGINEER
CONSTRUCTION

To The Superintending Engineer/TLS&SS/Hyderabad

Copy to:

The Chief Engineer/TLS&SS/Hyderabad
The Superintending Engineer/TLC/Hyderabad
The Executive Engineer/TLC/Rural/North/Hyderabad
The Executive Engineer/TLC/Rural/South/Hyderabad
The Asst. Executive Engineer/TLC/Rural / North /SLD /Mahabubnagar/Hyderabad.

AT TRANS CO

Encl. No. SE/Const/MS/DE/TH/THY/F.L.General/D.No.1328, dt. 04.09.2008.

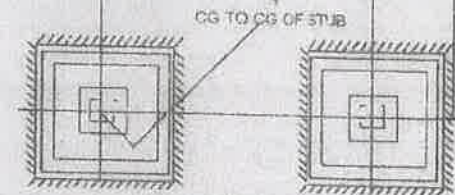
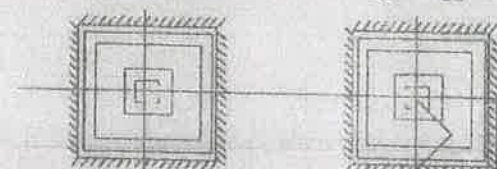
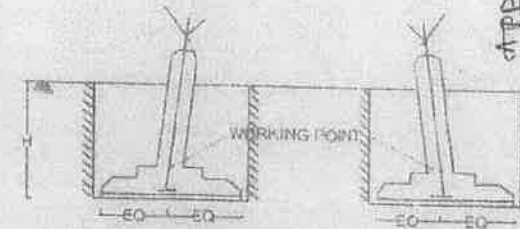
TO

For information & necessary action.

TS TRANSCO Limited Memo National Highways.doc

Assistant Engineer
LIS Construction,
TS TRANSCO, Nizamabad.

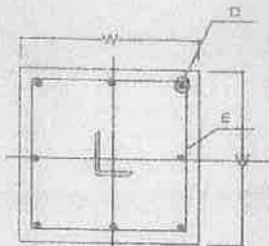
Executive Engineer
LIS Construction,
TS TRANSCO, NIZAMABAD.



CG TO CG OF STJB
EXCAVATION PLAN

B	H	W	B1	SB1	B2	SB2
4500	3050	450	4100	200	1800	250

QTY/TOWER		
CONC VOL CUM	RCC 1:2:4	28.8
	LEAN CONC	8.12
EXCAVATION -CUM		350.4
RF STEEL KG.		2725.4



SECTION. 9. 9

STATEMENT OF RF BARS						
MARK	SHAPE & SIZE-MM	DIA	UNIT WEIGHT KG/RS	LENGTH-MM	CUTTED NO.	WEIGHTED KG
A	 4400	12	0.888	4400	92	358.46
B	 280 4000	12	0.888	4596	58	235.17
C	 1700 350	12	0.888	2400	24	51.13
D	 400 3700	12	0.888	4100	8	28.12
E	 350 350	8	0.22	1344	19	0.45
					TOTAL	681.35

NOTE

- 1) THE BB DISTANCE OF STUDS E(BB) SHALL BE VERIFIED
WITH TOWER DRAWING BEFORE STARTING EXECUTION
- 2) LEAN CONC MIX SHALL BE 1:4:8
- 3) RCC 124 GRADE AND R/F STEEL F415 GRADE
- 4) DRAWING SUITABLE FOR WET CLASSIFICATION
- 5) ALL DIMENSIONS ARE IN MM
- 6) DO NOT SCALE THE DRAWING

SCALE N.T.S.

FOUNDATION OF TSP C-TYPE TOWER IN WET SOILS

DEF&DRN	AEE/C	APPD
CRLASBID	BEA/C	CHIEF ENGINEER/CMA

Assistant Engineer
LIS Construction,
TSTRANSCO, Nizamabad.

Executive Engineer,
LIS Construction,
TS TRANSCO, NIZAMABAD.