

Undertaking
to Pay cost of raising and maintenance of Compensatory Afforestation


We hereby undertake to pay the cost of raising and maintenance of compensatory afforestation (including raising and maintenance of plantations, aided natural regeneration, SMC works etc.,) over non-forest land offered to forest department, as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of "proposed diversion of 37.7154 ha of forest land for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradi TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist)".

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:


Description / Divisions	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566


Chief Engineer
Projects – II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

The benefit from these Transmission line is more than Rs. 133.2396 Cr per year to the Nation or Rs. 6661.98 Cr. in fifty years if flow of power is continued through this transmission system whereas the cost of project including the compensation against forest area involved and also interest during construction and other misc. expenditure is Rs.255 Cr which is very less as compared to profit from this Transmission Line Project. So pay back to period of the project is 2 years. The rest of the period is the profit which is added to the national income.


Chief Engineer
Projects - II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

**Undertaking for unqualified commitment from project authority
to Pay cost of extraction of tree growth**

We hereby undertake to pay the cost of exploitation of tree growth of the forest land proposed for diversion under the project as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of "proposed diversion of 37.7154 ha of forest land for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradi TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist)".

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286


The abstract is as follows:

Description / Division	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566



Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal


Chief Engineer
Projects - II/TS TRANSCO
Vidyut Soudha, Hyderabad.

Undertaking
to pay Addl. Cost of Net Present value (NPV)


We hereby undertake to pay Addl. Cost of Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt and MoEF in respect of "proposed diversion of 37.7154 ha of forest land for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradi TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist)". We also hereby undertake to pay differential additional NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:

Description / Divisions	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566


Chief Engineer
Projects - II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

Undertaking
to Pay Net Present Value


We hereby undertake to pay Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt and MoEF in respect of "proposed diversion of 37.7154 ha of forest land for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradi TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist)". We also hereby undertake to pay differential NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

Division-wise Break up of forest land required:


Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:

Description / Division	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566


Chief Engineer
Projects – II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

AREA MINIMUM CERTIFICATE


Certified that the proposed 37.7154 ha forest area for diversion is the minimum and essentially required for the purpose of Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradri TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist). Also certified that any other forest land has not taken for this project. We also hereby undertake that no taking of fresh forest land shall be carried out during execution of the Project.

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:

Description / Divisions	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566


Chief Engineer
Projects - II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

NON VIOLATION CERTIFICATE


Certified that no work has been carried out in violation of F@Act,1980 and W(P)Act,1972 in the proposed forest area for diversion of 37.7154 ha for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradri TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist)

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:

Description / Divisions	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566



Chief Engineer
Projects - II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

Model and Make of the ETS & DGPS/ GNSS Instruments

It is certified that the ETS & DGPS/ GNSS Survey was carried out through an outsourcing agency. Make and Model of the ETS Instruments are Topcon Hiper sr and Leica 1200 series. The make and model of the DGPS/ GNSS instruments are Trimbl and Leica 1200 series.


Chief Engineer
Projects – II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

CERTIFICATE


It is certified that, all the possibilities to avoid forest land for the project have been explored and it is found that no alternative suitable non-forestland is technically feasible and viable to that part of the work for which diversion has been proposed for diversion of 37.7154 ha for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradri TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist).

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:

Description / Divisions	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566


Chief Engineer
Projects – II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal

UNDERTAKING


The user agency is hereby undertake that no labour camp shall be established on the forest lands during the construction of the work in the proposed forest area for diversion of 37.7154 ha for Erection of 400KV QMDC line from the proposed 4x270 MW Bhadradri TPP Manugoor to the proposed 400/ 220 kV Sub-Station at Padamati Narsapuram (V) in Julurupadu (M) of Khammam (Dist).

Division-wise Break up of forest land required:

Division	RF Name	Status	Length in m	Width in m	Area in ha
Kothagudem	Non-RF	ESZ	8768	46	40.3328
Kothagudem	Chatakonda RF	ESZ	4176.0	46	19.2096
Paloncha WLM	Non-RF	Enclosure in WLS	1950.0	46	8.97
Paloncha WLM	Chatakonda RF	WLS	2782.61	46	12.8
	Punukula RF	WLS	167.39	46	0.77
Paloncha	Non-RF	ESZ	15543.0	46	71.4978
Paloncha	Non-RF	ESZ	8580.0	46	39.468
Paloncha	Chintiryala RF	ESZ	132.0	46	0.6072
Paloncha	Chintiryala Non-RF	ESZ	3230.0	46	14.858
Paloncha	Ratnagutta RF	RF	941.0	46	4.3286

The abstract is as follows:

Description / Divisions	Length in m	Width in m	Area in ha
Passing through RF (excluding WLS & ESZ) / Paloncha	941.0	46	4.3286
Passing through WLS with RF / Paloncha WLM	2950.0	46	13.57
Passing through ESZ with RF / Kothagudem & Paloncha	4308.0	46	19.8168
Passing through Enclosure in WLS without RF / Paloncha WLM	1950.0	46	8.97
Passing through ESZ without RF / Kothagudem & Paloncha	36121.0	46	166.1566


Chief Engineer
Projects – II/TS TRANSCO
Vidyut Soudha, Hyderabad.


Superintending Engineer
400KV/Construction Circle
TS TRANSCO, Warangal.


Executive Engineer
400KV/Construction
TS TRANSCO, Warangal