

TELANGANA STATE POWER GENERATION CORPORATION LIMITED

From:
The Chief Engineer /Civil/Thermal,
TSGENCO,Vidyth Soudha,
Hyderabad,500082.

To:
The Prl.Chief Conservator of Forests,
(HoFF), Telangana State,
Hyderabad.

Lr.No.CE/C/Thermal/SE/C/TCD-1/F.Forest land/D.No.105/14, Dt:12.01.2015

Sir,

Sub:- TSGENCO – Diversion of 4334.01 Ha of forest land for “Proposed Damercherla Coal Based Thermal power station of capacity 4400 MW at Veerlapalem (V), and 2400 MW at Dilawarpur (V) of Damercherla (M), Nalgonda District, Telangana State – Revised proposal for forest clearance – Submitted – Reg.

Ref:- 1. CE/C/Thermal/SE/C/TCD-1/F.Forest land/D.No. 98 /14, Dt:07.01.2015
2. RC.No.11064/2014/FCA-3 Dt:09.01.2015

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In continuation to the proposals submitted vide this office letter 1st cited for diversion of 4724.25 Ha of forest land, it is to inform that as per the DGPS survey conducted in the Veerlapalem, Dilawarpur and Gangadevi gattu forest blocks, the extent of forest lands is worked out as follows:

1. Veeralapalem Forest Block	:	2779.91 Ha
2. Dilawarpur Forest Block	:	1735.10 Ha
3. Gangadevi Gattu Forest Block	:	305.21 Ha
Total	:	4820.22 Ha

In this connection, it is to further inform that as learnt from the Forest and Revenue officials of Nalgonda District, the following extent of forest land is Dis-Reserved and under enclosures etc., in the forest blocks of Veerlapalem, Dilwarpur and Ganngadevigattu and net extent of forest land required for diversion is as given below:

Name of the Reserve Forest Block	Actual area worked out as per DGPS survey	Area Dis – Reserved and Enclosures etc.,	Net extent of Forest land
Veerlapalem	2779.91 Ha	390.19 Ha	2389.72 Ha
Dilawarpur	1735.10 Ha	55.68 Ha	1679.42 Ha
Gangadevi Gattu	305.21 Ha	40.34 Ha	264.87 Ha
Total	4820.22 Ha	486.21 Ha	4334.01 Ha

In view of the above, it is requested to arrange for forest clearance for diversion of above revised extent of forest lands ie., to an extent of 4334.01 Ha to TS GENCO at the earliest for the purpose of establishment of thermal power plant of capacity 4400 MW at Veerlapalem (V) and 2400 MW at Dilawarpur (V) and residential colonies at Gangadevi Gattu of Damercherla (M), Nalgonda (Dist) of Telengana State.

Further the other documents required to be furnished as requested in the letter 2nd cited will be submitted separately.

Yours faithfully,

Chief Engineer /Civil
Thermal.

Copy submitted to,

1. The Director General of Forests, Ministry of Environment, Forests & Climate change,GOI,Vayu Bhavan, Indira Pariyavaranam Bhavan, Jorbhag Lane, Sabdar Jung, New Delhi.
2. The Additional Principal Chief Conservator of Forests, MOEF & F, GOI, Regional office, 8th Floor, Panaghal Building, Saidabad, Chennai.
3. The Principal Secretary to the Hon'ble Chief Minister, Telangana state



TELANGANA STATE POWER GENERATION CORPORATION LIMITED

From:
The Chief Engineer/Civil/Thermal,
TSGENCO, Vidyut Soudha,
Hyderabad - 500 082

To,
The Principal Chief Conservator of Forests,
(Head of Forest Force),
Telangana State Forest Department,
Aranya Bhavan,
Saifabad, Hyderabad

Lr.No:CE/C/Thermal/SE/C/TCD-I /F. Forest land/D.No. 98 /14, Dt. 07 .01.2015
Sir,

Sub: TSGENCO- Diversion of 4724.25 Ha of forest land for "Proposed Damercherla Coal Based Thermal Power Station of capacity 4400MW at Veerlapalem(v) and 2400MW at Dilwarpur(v) of Dameracherla Mandal, Nalgonda District, Telangana State" - Proposal for forest clearance - Submitted - Reg.

The peak power demand of the Telangana state is about 180 MU against which only 135 MU is available leaving a short fall of 45 MU. On an average the Telangana Grid is able to meet 135 MU per day, sourcing 45 MU per day from TSGENCO projects, 30 MU per day from central generating stations, 25 MU per day from APISTS and 35 MU from other purchases. In order to meet the present power demand, ever increasing future demand and also to avoid purchase from other sources by incurring huge expenditure, capacity addition is inevitable.

The Power demand in Telangana state is increasing rapidly due to the rapid Industrial & Infrastructural developments and also due to the geographical conditions of the Telangana state, most of the agriculture sector is completely depending on the electrical power which contributes 40% of the power generated in the state. To mitigate the gap between the demand and the supply, Telangana state is facilitating large scale capacity additions with the shorter construction period.

In view of the above circumstances, TSGENCO has proposed to establish coal based Thermal Power Station with a capacity of 4400 MW at Veerlapalem (V) and 2400 MW at Dilwarpur (V) of Dameracherla Mandal, Nalgonda District to meet the power demand of Industrial, domestic and agriculture sectors etc of Telangana State as stated above.

Contd..2

The basic inputs required for establishing the thermal power plant are availability of land with least R&R issues, rail/road accessibility, availability of fuel and transportation, availability of water etc. The site selection team comprising officials from TSGENCO and revenue officials from state Government visited the potential sites in Telangana state for identifying the most suitable and viable site for setting up of Super Critical Thermal power projects in the state. The prospective three sites ie; 1st at Punukuduchelka of Kothagudem Mandal, Khammam Dist., 2nd at Pandurangapuram (V), Paloncha Mandal, Khammam Dist and 3rd at Veerlapalem (V), Dilavarpur (V) & Gangadevi Gutta (V), Damercherla Mandal, Nalgonda Dist. are examined and finally the present proposed site is selected, due to availability of sufficient land, availability of water from Krishna river with in a distance of 3km, railway line of Secunderabad-Guntur BG passing nearby ie at a distance of 3 Km with railway station at Vishnupuram, Damercherla Mandal from the proposed site. Also Miryalaguda town is at a distance of 30km from the site. It is proposed to use 100% imported coal or 50% domestic & 50% imported coal for which port at a distance of 250km @ Krishnapatnam, AP State is available for importing coal.

The Hon'ble Chief Minister, Telangana state has conducted aerial survey of reserved forest blocks of Veerlapalem (V), Dilavarpur (V) and Gangadevi Gutta(V) of Damercherla Mandal of Nalgonda Dist, on 23-12-2014 along with state Govt. and TSGENCO officials and decided for establishing of Thermal Power Plant in the above forest blocks in view of the location advantage of the area like Krishna river water, near by passing railway line and National highway road leading from Hyderabad to Addanki. The Minutes of the meeting dated 23-12-2014 conducted after aerial survey of the site by the Hon'ble Chief Minister of the state are herewith enclosed for kind perusal.

The proposed forest land consists of 4724.25 Ha (11,673.61 Acres) in the following villages of Dameracherla Mandal , Nalgonda District.

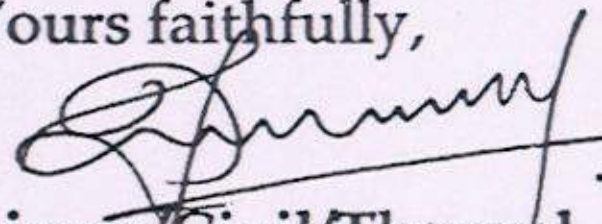
1) Veerlapalem village	- Ac. 6869.28
2) Dilawarpur village	- Ac. 4149.84
3) Gangadevi Gutta	<u>- Ac. 654.49</u>
Total	Ac. 11673.61

Application in Form-A along with drawings of above forest blocks with boundary coordinates and required certificates of user agency (TSGENCO) / Revenue dept. and Forest department under Forest (Conservation) Act, 1980 are enclosed herewith. On line application is also being uploaded separately.

It is therefore requested to arrange for forest clearance for diversion of above forest lands to an extent of 4724.25 Ha (11,673.61 Acres) to TSGENCO at the earliest for the above purpose.

Encl: As above

Yours faithfully,


Chief Engineer/Civil/Thermal 7/11/2015

Copy submitted to,

1. The Director, Ministry of Environment, Forests & Climate change, GOI, Vayu Bhavan, Indira Pariyavaran Bhavan, Jorbhag Lane, Sabdar Jung, New Delhi .
2. The Additional Principal Chief Conservator of Forests, MOE&F, GOI, Regional Office, 8th Floor, Panaghal Building, Saidabad, Chennai.
3. The Principal Secretary to the Hon'ble Chief Minister, Telangana state
4. The Principal Secretary, Energy department, Secretariat, TS Govt., Hyderabad
5. The Principal Secretary, EFS&T, Secretariat, TS Govt., Hyderabad.
6. The District Collector, Nalgonda Dist.
7. The Divisional Forest Officer, Nalgonda Dist.

Copy to:

1. The DE (T) to Chairman & Managing Director, TSGENCO, Vidyut Soudha, Hyderabad.
2. The AS to Director (Thermal, TSGENCO, Vidyut Soudha, Hyderabad

FORM-A

APPLICATION FOR PERMISSION FOR DIVERSION OF **4334.01HA** OF FOREST LAND FOR "PROPOSED DAMERACHERLA COAL BASED THERMAL POWER STATION OF CAPACITY 4400MW AT VEERLAPALEM(V) AND 2400MW AT DILWARPUR(V) OF DAMERACHERLA MANDAL, NALGONDA DISTRICT".

FORM FOR SEEKING PRIOR APPROVAL UNDER SECTION-2 OF THE FOREST (CONSERVATION) ACT, 1980. PROPOSALS BY THE STATE GOVERNMENTS AND OTHER AUTHORITIES

(See Rule 4)

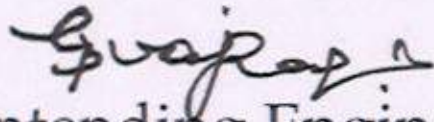
PART-I


State Serial No. of Proposal

(To be filled by user agency)

1. PROJECT DETAILS		
1.	Short narrative of the proposals and project /scheme for which the Forest land is required.	<p>TSGENCO has proposed coal based Thermal Power Station with capacity of 4400 MW at Veerlapalem(v) and 2400 MW at Dilwarpur(v) of Dameracherla Mandal, Nalgonda District to meet the power demand of Industrial , domestic and agriculture sectors etc of Telangana State.</p> <p>The project was approved vide Minutes of the Meeting conducted by Hon'ble Chief Minister, Telangana camp at Veerlapalem village of Dameracherla Mandal, Nalgonda Dist. on 23.12.2014.</p> <p>Land is required to an extent of 4334.01 Ha (10,709.32Acres) in forest area of Veerlapalem Reserve Forest, Damaracherla Mandal in Nalgonda (Dist) for "<u>proposed Dameracherla coal based thermal power station of capacity 4400MW at Veerlapalem(v) and 2400MW at Dilwarpur(v), Dameracherla Mandal, Nalgonda District</u>". (Brief report enclosed).</p>
ii	Map showing the required forestland boundary of adjoining forest on a 1: 50,000-scale map.	<p>Area map is enclosed.</p> <p>S.I Sheet 1:50,000Scale.</p> <p>Sheet No.56P/9, E44T10</p>
iii	Cost of the project (falling in the forest limits of Nalgonda Division)	Rs. 41,480/- Crores (Approximately)
iv	Justification for locating the project in forest area.	<p>TSGENCO has proposed Dameracherla coal based Thermal Power project with capacity of 4400 MW at Veerlapalem(v) and 2400 MW at Dilwarpur(v) of Dameracherla Mandal, Nalgonda District to meet the power demand of Industrial , domestic and agriculture sectors etc of Telangana State.</p> <p>The extent of Forest land required is 4334.01 Ha (10,709.32Acres) which is the minimum and all other alternatives were explored but they are not viable and no alternative site is feasible to avoid or minimize the use of forest land. It is essential to construct the thermal power project in forest limits to meet the ever increasing demand of the new state.</p>
v	Cost benefit Analysis (falling in the forest limits of Nalgonda Division)	<p>(enclosed)</p> <p>Cost of the project: Rs.41,480/- Crores</p>
vi	Employment likely to be generated (falling forest limits of Nalgonda Division)	<p>6,000 to 8,000 Nos. – Direct Employment and around 1,00,000 Nos. – indirect Employment</p>

2	Purpose wise break –up of the total land required.	A total land of 4334.01 Ha (10,709.32Acres) is required for establishing 6800 MW Thermal Power Project, which comprises the following types of lands in the jurisdiction of Divisional Forest Officer (Nalgonda Division), Nalgonda District. TOTAL FOREST LAND REQUIRED 4334.01Ha
3	Details of displacement of the people due to the project, if any	There are 906 claims for 1833.09 acres under ROFR Act -2006. All these 906 claimants will be rehabilitated and resettled as per the provisions of the Land Acquisition, Rehabilitation and Resettlement Act
	i) Number of families	
	ii) Number of SCs/STs families	
	iii) Rehabilitation	
4	Whether clearance under environment (protection) Act1986 required (yes/No)	Yes, Proposal for Environmental clearance is to be submitted.
5	Under taking to bear the cost of rising and Maintenance of compensatory afforestation and /or penal compensatory afforestations as well as cost for protection and regeneration of safety zone etc as per the scheme prepared by the state Government.	YES, Enclosed.
6	Details of certificate /Documents enclosed as required under the instructions.	Required certificates/documents are enclosed as shown below. 1) Index map. 2)SoI map on 1:50,000 scale 3) Undertakings-13 Nos. 4) Certificates-16 Nos 5) CA land 6) Latitudes & longitudes


Superintending Engineer/Civil/Thermal
TSGENCO, Vidyut Soudha,
Hyderabad


Chief Engineer/Civil/Thermal
TSGENCO, Vidyut Soudha,
HYDERABAD - 500 082.

State serial No. of proposal _____
(To be filled by the Nodal Officer with date of receipt)

Land Break Up for different components for the proposed Dameracherla Coal Based Thermal Power Station of capacity 4400 MW at Veerlapalem(V) and 2400 MW at Dilwarpur (V) including Township at Gangadevi Gattu (V) of Dameracherla Mandal, Nalgonda District, Telangana State:

1) 'A' Station – (2X600 MW Unit)

S. No.	Details	Area in Acres	
		in Acres	in Ha.
i.	Power plant	410.00	165.93
ii.	Ash disposal area	350.00	141.64
iii.	Corridors for Ash slurry, Raw water and Railway line	164.00	66.37
iv.	Green Belt	250.00	101.17
Total		1174.00	475.11

} 0.77Ac. per MW

-----Ac. 0.98 per MW

2) B-Station (4 X 800 MW Unit)

S. No.	Details	Area in Acres	
		in Acres	in Ha.
i.	Power plant	940.00	380.41
ii.	Ash disposal area	854.00	345.61
iii.	Corridors for Ash slurry, Raw water and Railway line	350.00	141.64
iv.	Green Belt	1000.00	404.69
Total		3144.00	1272.35

} 0.67Ac. per MW

-----Ac 0.98 per MW

Land requirement for A & B station excluding Township : Ac. 4318.00 (1747.47 Ha.)

Future Expansion for Solar Power Plant : Ac. 1587.00 (642.25 Ha)

Total : Ac. 5905.00 (At Veerlapalem)
(2389.72 Ha)

3) C- Station (3 X 800 MW Unit)

S. No.	Details	Area in Acres	
		in Acres	in Ha.
i.	Power plant	705.00	285.31
ii.	Ash disposal area	703.00	284.50
iii.	Corridors for Ash slurry, Raw water and Railway line	200.00	80.94
iv.	Green Belt	750.00	303.52
Total		2358.00	954.27

} 0.67Ac. per MW

-----Ac 0.98 per MW

Land requirement for C - station excluding Township : Ac. 2358.00 (954.27 Ha.)

Future Expansion for Solar Power Plant : Ac. 1791.80 (725.13 Ha.)

Total : Ac. 4149.80 (1679.40) (At Dilawarpur)

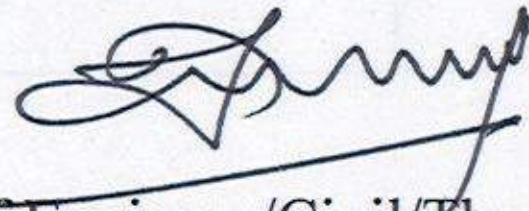
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4) Town ship

For A-Station	:	Ac. 100.00
For B-Station	:	Ac. 150.00
For C-Station	:	Ac. 150.00
Green Belt	:	Ac. 130.00
Future Needs	:	Ac. 124.50

Total Ac. 654.50 (264.87 Ha) (At Gangadevi Gattu)

Total extent of land required : (5905.00+4149.80+654.50) = Ac. 10709.30 (4334.01 Ha)


Chief Engineer/Civil/Thermal
TSGENCO/Vidyut Soudha
Hyderabad

Sl. No.	Details	Area in Acres	
		in Acres	in Ha.
i.	Power plant	940.00	380.41
ii.	Ash disposal area	874.00	345.61
iii.	Corridor for Ash slurry, Raw water and Railway line	350.00	141.64
iv.	Green Belt	1000.00	404.68
	Total	3164.00	1272.35

Sl. No.	Details	Area in Acres	
		in Acres	in Ha.
i.	Power plant	705.00	282.31
ii.	Ash disposal area	703.00	284.50
iii.	Corridor for Ash slurry, Raw water and Railway line	200.00	80.94
iv.	Green Belt	750.00	303.32
	Total	2358.00	954.17