GOVERNMENT OF TELANGANA FOREST DEPARTMENT

From: Sri, C. Sridhar Rao, S.F.S., District Forest Officer, Siddipet.

To
The Prl.Chief Conservator of Forests,
(Head of Forest Force),
Telangana. Aranya Bhavan, Hyderabad.

Rc.No.360/S6/2018, Dt.31.07.2020.

Sir,

Sub:- Forest (Conservation) Act,1980- Proposal for diversion of forest land to an extent of 409.53 Ha (387.13 Ha horizontal area as per DGPS) Medchal Forest Division under Medchal District – for construction of 10 TMC reservoir at Keshavapuram with associated components under Godavari river source for drinking water requirements to the Hyderabad City in favour of HMWSSB - CA scheme proposals submitted - Regarding.

- Ref: 1. General Manager (Engg) project Division No.IX, HMWS & SB, Hyderabad Lr.No.GM (E)/DB/P.Dn.IX/Keshavapuram/2018-19/155 Dt.10.10.2018.
 - 2. PCCF's Rc.NO.6564/2017/FCA1, Dt.18.07.2017.
 - 3. PCCF's Rc.NO.6564/2017/FCA1, Dt.06.11.2018.
 - General Manager (Engg) project Division No.IX, HMWS & SB, Hyderabad Lr.No.GM(E)/DB/P.Dn.IX/Keshavapuram/2019-20/232 Dt.17.08.2019.
 - 5. PCCF's Rc.NO.6564/2017/FCA1, Dt.21.08.2019.
 - 6. General Manager (Engg) project Division No.IX, HMWS & SB, Hyderabad Lr.No.GM(E)/DB/PD.IX/Keshavapuram/2020-21/293 Dt.20.05.2020.
 - 7. PCCF's Rc.NO.6564/2017/FCA1, Dt.21.05.2020.

In compliance to the instructions issued in the reference 7th cited, It is submitted that the CA Scheme proposal for an area of 119.8006 Ha in Siddipet District is prepared as per the FSR 2019-20 for Ten years starting from 2021-22 to 2032-33 is submitted herewith for Rs.891.01353 Lakhs. (Abstract of list of works for Rs. 891.01353 Lakhs is enclosed herewith along with detailed estimate)

The following works are proposed

- 1. Raising of plantation 100 plants per Ha under BHA / LIM method and 10 years maintenance.
- 2. SMC works like staggered contour trenches, mini PTs and PTs.
- 3. Chainlink fencing.
- 4. Construction of Boundary pillars.
- 5. Construction of Fire watch towers.
- 6. Formation of Gravel Path for inspection and protection.

The scheme proposal along with year wise Physical and Financial statement, DGPS surveyed maps soil suitability certificate (6 sets) is enclosed herewith.

This submitted for favour information and necessary action.

Your's faithfully

Encl: (6 sets CA scheme)

District Forest Officer, Siddipet.

Counter Signed

Chief Conscioner of Fafests, 18



COMPREHENSIVE SCHEME FOR COMPENSATORY AFFORESTATION SCHEME IN SIDDIPET DISTRICT OF MEDAK CIRCLE: DIVERSION OF 409.53 Ha OF FOREST LAND IN MEDCHAL DIVISION FOR CONSTRUCTION OF 10 TMC RESERVOIR AT KHESAVAPURAM WITH ASSOCIATED COMPONENTS UNDER GODAVARI RIVER SOURCE FOR DRINKING WATER REQUIREMENTS TO THE HYDERABAD CITY OF TELANGANA STATE

1) INTRODUCTION OF THE SCHEME:-

The General Manager (Engg) Project Division HMWS&SB Hyderabad has submitted the proposals for diversion of 409.53 Ha forest land in Medchal-Malkajgiri Division for construction of 5.04 TMC Reservoir at Keshvapuram with associated components under Godavari river source for drinking water requirements to the Hyderabad Metropolitan Area.Accordingly, the following alternate Non-forest lands identified for compensatory in Siddipet District:

| Name of the District | Name of the Mandal | Name of the Village | Survey No | Area in ha (as per DGPS survey) |
|-------------------------|-----------------------|------------------------|-----------|---------------------------------------|
| | 411 | Regonda | 533 | 23.2816 |
| | Akkannapet | Ramavaram | 225 | 24.9237 |
| | | Ummapur | 265 | 41.6121 |
| Siddipet | | | 4.45 | 2.1406 |
| | Husnabad | Mirzapur | 145 | 11.9462 |
| | | | 100 | 15.8964 |
| | | Total | | 119.8006 |

The area is partially hilly and rocky, but having stunted forest growth. The growth consists mainly of Narlinga(Albizzia amara), Moduga(Bautia monosperma), Seethaphal (Anona squamoza), Vepa(Azarirachta indica), Danthe(Gymnospora Montana), Chennangi(Lagarstonia parviflora), Pala Kodisa(Writia tingtoria), Teak(Tectona grandis), Pedda manu(Ailantha exselosa, Tangedu(Acacia ariculata), Soppera(Dolbergia panipulata), Rela(Casia fistula), etc.

2). SUITABILITY OF THE AREA:-

An area of 119.8006 ha of Non-forest land is identified for CA purpose. The land is partially hilly, Rocky areas, hence additional 100 Plants per ha can be planted under BHA/LI method to take up planting activities and also SMC works like Staggered Control Trenches, Rock fill dams, Mini percolation tanks are proposed, besides boundary protection structure with chain link mesh.

3). SCHEME IMPLEMENTATION AGENCY:

The District Forest Officer, Siddipet will be the project implementation and Monitoring agency and works will be taken up through concerned Forest Range Officers.

For the successful execution of the above mentioned works it requires frequent inspections and close monitoring by the Forest Range Officers and District Forest Officer.

4). MONITORING MECHANISM:

1 -

The District Forest Officer, Siddipet and Conservator of Forests, Medak Circle, Medak will be closely monitoring the implementation of CA scheme by regular inspection for ensuring proper execution of the work and maintenance of connected records like Plantation and Nursery journals, plantation journal, cash books, Work register, measurement Books, Monthly progress of planting and maintenance, etc., and also submitting the regular work monitoring reports to the Principal Chief Conservator of Forests, TS, Hyderabad and other concerned Senior officers in the Forest Department in Telangana.

5). PERIOD OF THE SCHEME:

Period of the scheme is for (12 years) which includes advance works and rising of plantations and 10 years maintenance commencing from 2022-23 to 2032-33 and nursery raising during 2021-22.

The details of proposed works are given below:

6). BOUNDARY DEMARCATION:

Chain-link fencing around the periphery are required as the proposed CA lands are isolated blocks surrounded by agriculture lands and hence proposed, with boundary pillars construction.

7). REJUVENATION OF ADDITIONAL CA AREA EQUIVALENT TO FOREST AREA DIVERTED:-

The Government non-forest land 119.8006 Ha is identified for CA by the User Agency in Siddipet District in lieu of forest land proposed for diversion in Medchal-Malkajgiri Division for construction of 5.04 TMC Reservoir at Keshvapuram with associated components under Godavari river source for drinking water requirements to the Hyderabad Metropolitan Area. The land is partially hilly, Rocky areas, hence planting of 100 Plants per ha is proposed under BHA/LI method for

taking up planting activities and also SMC works like Staggered Control Trenches, Rock Fill Dams, Mini percolation tanks, etc., are proposed for the benefit of natural vegetation which is stunted.

8). CONSTRUCTION OF FIRE WATCH TOWERS FOR MONITORING PROTECTION ASPECTS AND TO SERVE ECO-TOURISM IN ADJOINING AREAS OF KESHAVAPURAM RESERVOIR:

It is proposed to construct (04) Nos Fire Watch towers at the cost of Rs.15.00 Lakhs each towards monitoring of protection issues in the CA block areas and to serve as vantage view point for Eco-tourism activities in the future adjoining reservoir areas of this Drinking water project. The location proposed are Ramavaram, Ummapur, Mirzapur of Regonda Regonda CA block.

In order to reach the Watch tower through the dense vegetation from foot hill, it is required to form gravel path upwards in all these 4 locations where the construction of Fire watch towers are proposed.

The cost of the scheme is worked out adopting present FSR of 2019-20. The unit costs and total year wise cost structure of the project is shown in Annexures. The following is the financial outlay:

| Description of the work | Amount in Rs.Lakhs |
|--|--------------------|
| Nursery raising and maintenance | 7.36306 |
| Advance Operations | 22.14505 |
| Raising of Plantation | 26.56364 |
| Maintenance of plantation for 10 years | 99.08705 |
| SMC Works including CPT and bund planting, staggered contour trenches, percolation tanks etc. | 112.95350 |
| Protection of CA lands – fencing and boundary pillars | 471.90000 |
| Construction of Fire Watch Towers (04 No.s) at the cost of 15 Lakhs each. | 60.00 |
| Laying of Gravel path for protection and inspection (04 Kms) at the cost of 2.5 Lakhs each Km. | 10.00 |
| Administrative Cost (10%) over core activities | 81.00123 |
| Grand Total | 891.01353 |

Chief Conservator of Forests Medak Circle, MEDAK. District Forest Officer, Siddipet

ABSTRACT

COMPREHENSIVE SCHEME FOR COMPENSATORY AFFORESTATION SCHEME IN
SIDDIPET DISTRICT OF MEDAK CIRCLE: DIVERSION OF 409.53 Ha OF FOREST LAND IN
MEDCHAL DIVISION FOR CONSTRUCTION OF 10 TMC RESERVOIR AT
KHESAVAPURAM WITH ASSOCIATED COMPONENTS UNDER GODAVARI RIVER
SOURCE FOR DRINKING WATER REQUIREMENTS TO THE HYDERABAD CITY OF
TELANGANA STATE

| SI. | Item of works | Total | outlay |
|-----|---|--------------|------------------------------|
| No. | | Phy. | Fin. In lakhs |
| -1 | RAISING OF PLANTATIONS | | |
| 1 | Raising and maintenance of Nurseries | 30000 plants | 7.36306 |
| 2 | Advance Operations | 119.8006 ha | 22.14505 |
| 3 | Raising of Plantation | 119.8006 ha | 26.56364 |
| 4 | 1 st year Maintenance of Plantation | 119.8006 ha | 38.54229 |
| 5 | 2 nd year Maintenance of Plantation | 119.8006 ha | 21.13278 |
| 6 | 3 rd year Maintenance of Plantation | 119.8006 ha | 11.54284 |
| 7 | 4 th year Maintenance of Plantation | 119.8006 ha | 9.69766 |
| 8 | 5 th year Maintenance of Plantation | 119.8006 ha | 3.73528 |
| 9 | 6th year Maintenance of Plantation | 119.8006 ha | 2.16673 |
| 10 | 7th year Maintenance of Plantation | 119.8006 ha | 4.11636 |
| 11 | 8th year Maintenance of Plantation | 119.8006 ha | 0.00000 |
| 12 | 9 TH year maintenance of plantation | 119.8006 ha | 4.98079 |
| 13 | 10 th year maintenance of plantation | 119.8006 ha | 3.17231 |
| -11 | SMC WORKS | 223.0000 114 | 112.95350 |
| Ш | Chain-link fencing | 15.000 Km | |
| IV | Construction of boundary pillars | 900 Nos | 363.00000 |
| V | Administrative Cost (10%) | Ls | 108.90000 |
| | GRAND TOTAL | LS | 74.00123 814.01353 |

District Forest Officer, Siddipet

Compensatory afforestation scheme for 119.8006 ha of non-forest CA in Siddipet in lieu of diversion of 409.53 ha under F@Act, 1980 for construction of 10 TMC reservoir at Keshavapuram in favour of HMWS&SB in Medchal-Malkajgiri

| Control Decision Control Dec | | | Siddipet | 2000 | | | | | | | | | | | | | | | | | | | |
|--|--|-----------|----------------|----------|---------|------------|-------|----------------------|---------------------|---------|--------------------|---------|--------|-------------------|---------|--|----------|-------|--|-------------------------|---------------------------------------|--------------------|-----|
| Companie Primer Primer Companie Primer P | | icer | rich Forest Of | Dist. | | | | | | | | | | | 4.100 | | 10.66743 | | The state of the s | Tota | nstrative cost 10% | III Admir | |
| Controlled Market | Company Comp | | mercan | V. | | | | 1 | THE PERSON NAMED IN | 4,52/99 | THE REAL PROPERTY. | 2.38341 | | The second second | 4 1085 | | 0.96977 | | | | | | |
| Companion of control | | | 3.48955 | | 5.47887 | | 00000 | 0.1 | | 0.4110 | | 0.21667 | | 3 | 0.3735 | | 9.69766 | | | Total | | | |
| Companish Primer May Single Primer May Sin | Column C | | 0.31723 | | 0.49808 | | 00000 | 0.0 | Control of the last | | | 2.16673 | | Ca | 3.7352 | To the last of the | 0.00000 | | | Sub Total: | on of Chain Link renciis | | |
| Recommendation Reco | 1 | 81 00123 | 3.17231 | | 4.98079 | | 00000 | 0.0 | To the second | 4 11636 | | 0.00000 | | | 0.00000 | | | | | | 2.5 lakhs each km. | 1 | |
| The control provide | 1 | 810.01230 | 0.00000 | | 0.00000 | | 00000 | 0.0 | 1 | 0.00000 | | | | | | + | + | - | | section (04 Kms) at the | of Gravel Path for protection and ins | | |
| Recommendation Reco | Column C | 541.90000 | 20000 | | | | | | | | + | + | - | | | | 1 | + | - | at the cost of 13 canis | ction of Fire Watch Towers (04 No.s) | 1 | |
| Companish Marke Ma | Column C | 363.00000 | 15 | | | 1 | | | | | | + | - | 1 | | | | 1 | 1 | vel | ction of boundary pillars @20 m inter | _ | |
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| Conjunctivi Market | Column C | 60.00000 | 4 | | | | | - | | | | | - | 1 | | | | | | | | 1000 | |
| | Column C | 108.90000 | 900 | | | | | | | | | | | | 0.0000 | | 00000 | 0 | | Sub Total: | trenches | - | |
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| Companish plane Companish | C C C C C C C C C C | 112.95350 | 0.00000 | | 0.00000 | | 000 | 0.00 | Section 1 | | | | | | 1 | | | | | | on of Percolation Tanks | | |
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| Compensatory afforms Size | 2022-1-28 Fra California Pry | 9.69766 | 119.80 | | | | | | | - | | | | 1 | + | - | | | | 1 | lance | 1st Year Mainten | |
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