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FOR DIVERSION OF 10.18 HA. FOREST LAND IN PARNDLA RESERVE FOREST OF HYDERABAD IN FALLING IN CHIPPALAPALLY VILLAGE IN FAVOUR OF M/s GAYATHRI MINERAL HYDERABAD FOR GRANT OF MINING LEASE FOR QUARTZ AND FELDSPAR

1.0 INTRODUCTION:

The User Agency M/s. Gayathri Minerals has submitted the proposals for diversion of **10.18 Ha.** of Forest Land for non-forestry purpose i.e., mining lease for Quarts and Feldspar in Parndla Reserve Forest of Hyderabad Division.

Accordingly the User Agency has identified the non forest land of **10.931 Ha** in Sy. No. 21, 26 & 86 of Agarguda village of Penchikalpet Mandal for the purpose of CA. The area proposed for CA has been inspected in the field and the Forest Range Officer, Bejjur has issued the land suitability certificate. The area is ~~fit~~ for raising of plantation. The land is plain with no vegetation. The soil is Sandy, Red and partly Black Cotton Soil.

1) **Compensatory Afforestation:** It is proposed to raise CA in the area to be taken over from Revenue Authorities i.e. the Government land in **10.931 Ha.** The area is having gentle slopes for which Protection and SMC like, SCT, CPT and Percolation tank and plantations are proposed. The proposals have been prepared to take up Intensive Protection and the details of Compensatory Afforestation scheme proposals are as follows.

SL No	Sy No	Village	Mandal	Total Area Ha.	Name of the adjacent RF	Distance from RF to land
1	21, 26 & 86	Agarguda	Penchikalpet	10.931	Bejjur	adjoining

The proposals have been prepared with a cost of Rs 57.39,500/- (Rupees Fifty Seven Lakhs Thirty nine Thousand and Five hundred Only). The year wise scheme proposals are annexed as (Appendix - II)

This scheme will be monitored through the machinery of Forest Department at various levels.

The Compensatory Afforestation scheme is prepared over an area of **10.931 Ha** for the period for (9) years basing on the Forest Schedule of Rates for the year 2016-17 of Adilabad Circle with an escalation of 10% for 2017-18 and with an annual escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2017-18.

Sl No	Year	Forestry Works
1	2017 -18	1921180
2	2018-19	1277078
3	2019-20	417380
4	2020-21	275267
5	2021-22	302803
6	2022-23	333080
7	2023-24	366387
8	2024-25	403024
9	2025-26	443329
	Total	57,39,526 Or 57,39,500

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2.0 AIMS AND OBJECTIVES:

The objectives of the scheme are as follows.

- 2.1 To create small timber and fuel wood resources to meet the needs of the local public.
- 2.2 To reduce pressure on the already depleted resource requirements of small timber, fuel and fodder of local tribal people.
- 2.3 To fulfill broader objective of sustainable environmental conservation for the general good of the people.

To fulfill the above objectives, it is proposed to take-up the Afforestation over an area which is equivalent to the area proposed for diversion for non-forestry purpose. In this Division as against the Forest area to be diverted for 10.18 Ha non-forest area of 10.931 Ha is identified for CA. The plantations will be taken-up with the species like Kanuga, Vepa, Teak, Gummadi Teak etc., and with fuel wood, fodder and locally suitable NTFP & NTSHW species.

3.0 ELEMENTS OF THE PROJECT

3.1. Details of the lands identified for raising compensatory afforestation are as follows.

Sl. No.	Division	Range	Mandal	Near RF	Near Compt. No.	Area proposed in Ha.
1	Kaghnaznagar	Penchikalpet	Penchikalpet	Bejjur	250	10.931

3.2 NAME OF THE SCHEME

Compensatory Afforestation for "Grant of Mining Lease for Quartz and Feldspar in favour of M/s. Gayathri Minerals in Parndla Reserve Forest of Hyderabad Division".

3.3 SITUATION

The proposed Compensatory Afforestation area is situated adjacent to the RF Block Bejjur (Kaghnaznagar Division) near Compt. No. 250 of Agarguda Beat Gundepally Section of Penchikalpet Range and Mandal and fit for CA scheme.

3.4 GEOLOGY

The geology of the proposed area for Compensatory Afforestation is the youngest of the Gondwanas in this area which includes conglomerates, sandstones, shales and clays. The conglomerates are made up of rounded to sub-rounded pebbles of quartz, quartzite, chert and jasper. The Sub- Cretaceous - Eocene - Deccan Trap, Late Precambrian - Salluvai series, Archaean Granites, Gneisses and schists.

3.5 SOIL

The soils of area proposed for Compensatory Afforestation area vary with the underlying rock formation. The soil is Sandy, Red and partly Black Cotton Soil.

General distribution of soils in the Division

1. Black cotton soils: 50 % found mostly in Bejjur & Karjelly Ranges.
2. Chalka and Red loams Soils: 27% Found mostly in Bejjur, Karjelly, Sirpur and Kaghnaznagar Ranges.
3. Sandy loams and other: 8% Mostly in Kaghnaznagar and Sirpur Ranges.
4. Saline & Alkaline soils: 2% Scattered and found in small patches in the Division.

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3.6 CLIMATE :

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises upto 47 degree centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However, Cyclonic rains are common during October – December.

3.7 RAINFALL :

Rainfall is mostly from the Southwest monsoon, cyclonic rains during October – December are quite common. The normal rainfall in a year ranges from 1000 mm to 1100 mm. The average rainfall for the past (12) years is 1051 mm.

3.8 EXISTING VEGETATION:

The adjacent forest area is having vegetation of *Maduca indica*(Ippa), *Terminalia tomentosa*(Nalla maddi), *Diospyros melanoxylon* (Tuniki), *Cliستانthus collinus* (Nalla Kodisha), *Boswelvia serrata* (Andugu), *Anogeissus latifolia* (Thirman), Buddi Pala etc.,

3.9 AGENCY RESPONSIBLE FOR AFFORESTATION:

The afforestation programme will be implemented by the Telangana Forest Department through the Forest Divisional Officer, Kaghaznagar.

3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

The details of work schedule proposed for compensatory afforestation year wise is as follows.

Year	Proposed works
2017-18	1) Raising of Primary Beds Nursery 2) Raising and conversion of nursery 3) Advance operations in Plantations 4) Development and improvement and existing of Nursery infrastructure for CA scheme at Penchikalpet Village. 5) Erection of barbed wire fence around the CA area
2018-19	1) Raising of Primary Beds Nursery 2) Raising and Conversion of Nursery 3) Maintenance of Nursery 4) Raising of Plantations 5) SMC 6) Construction of boundary pillars
2019-20	1) Maintenance of Nursery 2) 1st Year maintenance of plantation
2020-21	2nd Year maintenance of plantation
2021-22	3rd Year maintenance of plantation
2022-23	4th Year maintenance of plantation
2023-24	5th Year maintenance of plantation
2024-25	6th Year maintenance of plantation
2025-26	7th Year maintenance of plantation

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3.11 COST STRUCTURE:

A compensatory afforestation scheme for **Rs. 57,39,500/-** is prepared (Appendix-I).
The year wise expenditure will be as hereunder.

Sl No	Year	Forestry Works
1	2017-18	1921180
2	2018-19	1277078
3	2019-20	417380
4	2020-21	275267
5	2021-22	302803
6	2022-23	333080
7	2023-24	366387
8	2024-25	403024
9	2025-26	443329
	Total	57,39,526 Or 57,39,500

This scheme will be monitored through the machinery of Forest Department at various levels.

4.0 SCHEME COMPONENT:

The area identified for Compensatory Afforestation is having gentle slopes with no vegetation and under cultivation. It is proposed to take up afforestation with raising plantation under SMM Method with species like Kanuga, Vepa, Teak, Gummadi Teak etc., and with fuel wood, fodder and locally suitable NTFP & NTSHW species. Protect the plantation from biotic interference by providing cattle proof trench, watch and ward and from fire by way of control burning of the fire lines. The plantation would be maintained for (7) years after planting.

4.1 COST STRUCTURE OF PLANTATIONS :

The cost structure of Compensatory Afforestation including the cost structure for various components of raising and maintenance of planting stock and the plantation is appended (Appendix-I).

4.2 PROVISION OF FUNDS :

The funds for the Compensatory Afforestation have to be deposited by the user agency i.e., M/s. Gayathri Minerals, Hyderabad in favour of Telangana Forest Department. These funds will be utilized by the Forest Divisional Officer, Kaghaznagar for raising nurseries, plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

5.0 PLANTING TARGETS AND STAFF REQUIREMENT :

The area identified for the Compensatory Afforestation to an extent of **10.931 Ha** of Kaghaznagar Division, the details as follows.

Sl. No.	Division	Range	Mandal	Near RF	Near Compt No.	Area proposed in Ha.
1	Kaghaznagar	Penchikalpet	Penchikalpet	Bejjur	250	10.931

The above CA area is proposed to be raised under various models as per site condition. The details are as follows.

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Sl. No.	Range	Village	Area proposed in Ha.	Model wise area to be afforested	
				SMM 3x3m	
1	Penchikalpet	Agarguda	10.931	40	
Requirement of seedlings					
		Raising	10.931	15000	
		Replacements for 1 st year	10.931	3100	
			10.931	18,100	

Hence it is proposed to raise the following seedlings for raising and for replacement of casualties in maintenance of plantation.

1) For Raising of plantations	10.931 Ha.	15,000 Seedlings.
2) For casualties in maintenance	10.931 Ha.	3,100 Seedlings
Total		18,100 Seedlings

5.1 OFFICE EXPENSES AND CONTINGENCIES RECURRING:

The amount proposed towards office expenses, contingent expenses are appended (Appendix-I & II)

5.2 CAPITAL EXPENDITURE NON - RECURRING

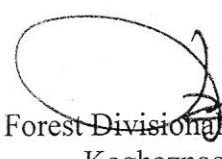
No amount is proposed towards non-recurring expenditure

5.3 SCHEME PERIOD :

This scheme will be implemented over a period of (9) years commencing from 2017-18. The details of cash flow required for the entire project period for recurring and non recurring expenditure is furnished in Appendix-I & II.

5.4 DETAILS OF PROPOSED MONITORING MECHANISM:

The Chief Conservator of Forests, Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


 Forest Divisional Officer,
 Kaghaznagar

22/7/17