

SOIL SUITABILITY CERTIFICATE

Certified that the following compensatory afforestation lands of 106.69 ha identified in Siddipet District for the proposed diversion of forest land of 409.53 ha in Medchal-Malkajgiri Division for construction of 10 TMC Reservoir at Keshvapuram with associated components under Godavari river source for drinking water requirements to the Hyderabad Metropolitan Area have been inspected by the undersigned:

Sl No	Mandal	Village	Survey No.	Area in Ha.
1	Siddipet	Irkode	780	56.47
2	Siddipet	Venkatapur	120	30.41
3	Siddipet	Bussapur	353	19.81
		Total		106.69

The area is partially hilly and rocky, but having stunted forest growth, with soil patches which are eroded and the top soil is lost. The growth consists mainly of Narlinga, Moduga, Seethaphal, vepa, Danthe, Chennangi, Pala Kodisa, Manga, Teak, Cassia fistula, Peddamanu, Tangedu, etc. Due to continuous degradation, the top soil is lost. Major thrust is required for rejuvenation of land by taking up gap planting under BHA/LI method @ 100 plants per ha and development of Soil and Moisture retention capacity in the area. Major works such as Soil & Moisture conservation works and formation of Water harvesting structures shall be taken up during the 1st & 2nd years of the project to gain the impact of such structures over the vegetation growth in the proposed area.




District Forest Officer,
Siddipet

SOIL SUITABILITY CERTIFICATE

Certified that the following compensatory afforestation lands of 292.3508 ha identified in Suryapet District for the proposed diversion of forest land of 409.53 ha in Medchal - Malkajgiri Division for construction of 10 TMC Reservoir at Keshvapuram with associated components under Godavari river source for drinking water requirements to the Hyderabad Metropolitan Area have been inspected by the undersigned:

Name of the District	Name of the Mandal	Name of the Village	Survey No	Area in ha (as per DGPS survey)
Suryapet	Jajireddygudem	Adivemula	505	120.4766
		Thimmapuram	418	44.3634
		Kasarlpad	312	23.4168
	Suryapet	Ramavaram	78	63.7908
	Chilkur	Chilkur	1151 /2	28.1417
	Palakeedu	Ravipadu	31	12.1615
		Total		292.3508

The area is partially hilly and rocky, but having stunted forest growth, with soil patches which are eroded and the top soil is lost. The growth consists mainly of Narlinga, Moduga, Seethaphal, vepa, Danthe, Pala Kodisa, Manga, Cassia fistula, Pedda manu, Tangedu etc. Due to continuous degradation, the top soil is lost. Major thrust is required for rejuvenation of land by taking up gap planting under BHA/LI method @ 200 plants per ha and development of Soil and Moisture retention capacity in the area. Major works such as Soil & Moisture conservation works and formation of Water harvesting structures shall be taken up during the 1st & 2nd years of the project to gain the impact of such structures over the vegetation growth in the proposed area.


District Forest Officer,
Suryapet.

**Site Suitability Certificate and inspection report of the District Forest Officer
Yadadri Bhuvanagiri**

**(Diversion of forest land for construction of 10 TMC Reservoir at Keshavapuram Village
with associated components under Godawari River source for drinking water
requirements to Hyderabad city in favour of Hyderabad Metro Water Supply and
Sewerage Board (HMWS&SB)**

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As per guidelines issued, compensatory afforestation shall be raised in an area of 12.8919 Ha in non forest Government land @1000 plants per ha. As per field inspection and based on ground reality, only 200 plants per hectare can be planted in the area. Thus, only 2600 plants can be raised in this area.

Non forest Government land identified for compensatory afforestation:

Inspected non forest Government land 12.8919 Ha in Sy.No.266 of Mohammadabad (V) of Narayanpur (M) of Yadadri Bhuvanagiri identified for raising of compensatory afforestation on 09.06.2020 along with field staff. During the inspection, it is noticed that most of the area is covered with hard soils and boulders with little gaps here and there. The terrain is undulated and looks like small type of hillock. The soils are red in nature. The existing vegetation is dominated by Albizia amara (Narlinga), Acacia chundra (Sanda), Chloroxylon swietenia (Billudu), etc., On an average, there is a scope to plant 200 plants per hectares in gaps wherever soil depth is noticed for taking up planting. The area is demarcated on the ground.


District Forest Officer
Yadadri Bhuvanagiri District.