

SOIL SUITABILITY CERTIFICATE

Certified that the following compensatory afforestation lands of 119.8006 ha identified in Siddipet District for the proposed diversion of forest land of 409.53 ha 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 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)
Siddipet	Akkannapet	Regonda	533	23.2816
		Ramavaram	225	24.9237
	Husnabad	Ummapur	265	41.6121
		Mirzapur	145	2.1406
				11.9462
			100	15.8964
		Total		119.8006

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, 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 291.7770 ha identified in Suryapet District for the proposed diversion of forest land of 409.53 ha 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 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)	Plants can be planted @200/Ha	Plants can be planted @1666/ Ha	Total Plants can be planted	Average plants / Ha
Suryapet	Jajireddy gudem	Adivemula	505	120.4766	24,095		24,095	
		Thimmapuram	418	44.3023	8,860		8,860	
		Kasarlpad	312	23.0564	4,611		4,611	
	Suryapet	Ramavaram	78	63.7908	12,758		12,758	
	Chilkur	Chilkur	1151 /2	28.0456	3,209	19,992	23,201	
	Palakeedu	Ravipadu	31	12.1053	2,421		2,421	
		Total		291.7770	55,954	19,992	75,946	260

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(*Albezzia amara*), Moduga(*Butea Monosperma*), Seethaphal(*Anona Squamosa*), Vepa(*Azadirachta indica*), Pala Kodisa(*Wrightia tinctoria*), Manga(*Randia dumetorum*), Tangedu (*Cassia auriculata*)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, except In one Chilkur CA land where in 12 ha planting @1666 plants/ ha can be done, 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. The average number of plants that can be planted are 260 plants/ha.


 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.