

**CHECK LIST SERIAL NUMBER: B PART-II (6)**

**Full Title of the Project:** Diversion of forest land to an extent of 10.64 Ha in Giddalur Forest Division for Up-gradation of NH-216 from Km.195 + 355 to Km.254+500 (Eepuripalem - Ongole Section) to two lines with paved shoulders under NHDP -4 on EPC basis is passing through Compt. No. 381 of Kadavakuduru RF of Motupalli Beat of Ongole Range of Giddalur Division in favour of the Project Director, Project Implementation Unit, Machilipatnam - Degraded forest area for raising of Compensatory Afforestation - Regarding

**File No. :** PCCF's A.P., Hyderabad Ref.No.15348/2016-FCA-3,

**Date of Instructions:** 04-05-2017

**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detailed scheme for Compensatory Afforestation to be carried out in degraded RF area an extent of 21.28 Ha in lieu of 10.64 Ha. of forest area to be diverted in Giddalur Forest Division of Guntur Circle for Up-gradation of NH-216 from Km.195 + 355 to Km.254+500 (Eepuripalem - Ongole Section) to two lines with paved shoulders under NHDP -4 on EPC basis is passing through Compt. No. 381 of Kadavakuduru RF of Motupalli Beat of Ongole Range of Giddalur Division in favour of the Project Director, Project Implementation Unit, Machilipatnam.

1. Details of degraded forest land:-

Sl. No.	Name of the individual	Name of the RF/ Range	Sy.No./ Compt. No.	Extent in Ha.
1	Up-gradation of NH-216 from Km.195 + 355 to Km.254+500 (Eepuripalem - Ongole Section) to two lines with paved shoulders under NHDP -4 on EPC basis is passing through Compt. No. 381 of Kadavakuduru RF of Motupalli Beat of Ongole Range of Giddalur Division in favour of the Project Director, Project Implementation Unit, Machilipatnam.	Nagarajupalli RF/ Ongole Range	375	21.28
		<b>Total</b>		<b>21.28 Ha</b>

1	Name of Forest Division	Giddalur.
	Range	Ongole
	Block/Compartment/Survey No	Nagarajupalli RF Compt.No.375 Area to be afforested: 21.28 Ha.
2	<b>Description of Area</b>	
I	whether the site selected for Compensatory Afforestation is a land bank or not	No
II	If the CA site is other than the land bank, reasons be given	Reserve Forest Land
III	In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	Does not arise (the degraded RF area is identified for raising CA)
IV	Soil type	Red Loamy, gravelly
V	Topography:	
	(a) Hilly/Undulating/Plain	Plain/ Undulating
	(b) Slope: Steep/Medium/Gentle:	Gentle
VI	Whether the area is bearing any root stock of vegetation	Canopy density is below 0.4
3	<b>Plantation Model:-</b>	
	Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed	Enclosed

#### 4. Schedule of Plantation Programme:-

1. Detail of year wise break up of requirements of funds is as under:-

Sl. No.	Name of the work	Quantity in Ha/ Rmt	Unit Cost	Amount (in Lakhs)
<b>I</b>	<b>Plantations</b>			
1	Raising of Primary beds & Raising of nursery	23642	10.0446	2.375
2	Advance operations	21.28	0.4000	8.512
3	Raising of plantations	21.28	0.6000	12.768
4	Maintenance of Nursery (for planting & replacement casualties in raising year)	23642	5.8692	1.388
5	Raising of nursery for Casualties in 1st year maint.	5916	0.1105	0.652
6	1st year maintenance	21.28	0.3220	6.852
7	Maintenance of Nursery (for Casualties in 1st year maint.)	5916	6.4562	0.382
8	2nd year maintenance	21.28	0.2770	5.895
9	3rd year maintenance	21.28	0.3050	6.484
10	4th year maintenance	21.28	0.1470	3.128
11	5th year maintenance	21.28	0.0428	0.911
12	6th year maintenance	21.28	0.0471	1.002
13	7th year maintenance	21.28	0.0518	1.102
14	8th year maintenance	21.28	0.0570	1.212
15	9th year maintenance	21.28	0.0627	1.334
16	10th year maintenance	21.28	0.0689	1.466
	<b>Sub Total</b>			<b>55.464</b>
<b>II</b>	<b>Chain Link Fencing</b>			
1	Errection of Chain link fencing around the plantations	2550	0.0154	39.270
2	Salvaging of old chain link. for 7 years	2550	--	3.278
	<b>Sub Total</b>			<b>42.548</b>
	<b>Total cost of Plantation</b>			<b>98.012</b>
<b>III</b>	SMC Works (15% of the total planting Cost)	21.28	--	14.702
	<b>Sub Total</b>			<b>14.702</b>
<b>IV</b>	Monitoring and Evaluation 5% of the total planting Cost	21.28	--	4.901
<b>V</b>	Administrative Cost @ 10% of the total planting Cost)	21.28	--	9.801
	For Rounded			0.084
	<b>Block Plantation Total:</b>			<b>127.500</b>

2. Detail of year wise break up of requirements of funds is as under:-

Sl. No	Name of the work	Quantity in Km	Unit Cost	Amount (in Lakhs)
<b>I</b>	<b>Plantations (Road Avenue)</b>			
1	Raising of plantations (Avenue plantation) Including cost of tall plants	1 Km	2.132	10.156
2	1st year maintenance	1 Km	1.498	7.137
3	2nd year maintenance	1 Km	0.825	3.928
4	3rd year maintenance	1 Km	0.444	2.113
5	4th year maintenance	1 Km	0.488	2.325
6	5th year maintenance	1 Km	0.537	2.557
7	6th year maintenance	1 Km	0.590	2.813
8	7th year maintenance	1 Km	0.649	3.094
	8th year maintenance	1 Km	0.714	3.404
	9th year maintenance	1 Km	0.786	3.744
	10th year maintenance	1 Km	0.864	4.118
	<b>Sub-Total&gt;</b>			45.389
<b>II</b>	<b>SMC Works (15% of the total planting Cost)</b>	LS	--	6.808
	<b>Sub-Total&gt;</b>			6.808
<b>III</b>	<b>Monitoring and Evaluation (5% of the total planting Cost)</b>	LS	--	2.269
	<b>Sub-Total&gt;</b>			2.269
<b>IV</b>	<b>Administrative Cost (@ 10% of the total planting Cost.)</b>	LS	--	4.539
<b>V</b>	<b>For Rounded</b>			0.995
	<b>Sub-Total&gt;</b>			5.534
	<b>Avenue Plantation Total&gt;&gt;</b>			60.000
	<b>Grand Total&gt;&gt;</b>			187.500

## 5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

a)	General Details:	The afforestation and maintenance will be done in a span of 12 years 2018-19 to 2029-30 with implementing agency of DFO (T), Giddalur.
b)	Spacing	3 Mts x 3 Mts
c)	Species	Miscellaneous ( i.e., Narepi, Yegisa, Red Sanders, Nemali Nara, Neruddi, Tellamaddi, Neem and Neredu etc.,)
d)	Plantation Method	SMM (Semi Mechanical Method)
e)	Soil and Moisture Conservation Works	Staggered Trenches, CCTs, PTs and Vegetative measures
f)	Protection (Fencing, Watch man, People's Participation etc.):-	Fencing with 10 years maintenance
g)	Proposed Monitoring Mechanism	--
h)	Avenue Plantation (Both sides of the road)	The Avenue Plantation and maintenance will be done in a span of 11 year 2018-19 to 2028-29 with implementing agency of DFO (T), Giddalur.
h)	Any other information	The proposed degraded RF area an extent of 21.28 Ha is suitable for Compensatory Afforestation with an outlay of Rs.187.500 lakhs which is situated in above mentioned table Ongole Range of Giddalur Division.  Hence proposed Degraded RF area for CA may be accepted

  
Divisional Forests Officer  
Giddalur