

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From,  
**Smt. R.Sobha, IFS,**  
Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC),  
Telangana State, "AranyaBhavan",  
Saifabad, **Hyderabad.**

To,  
**The Director General of Forests &  
Special Secretary to the Government,**  
Ministry of Environment and Forests and  
Climate Change,  
Indira Paryawarana Bhawan, Jorbagh Road,  
New Delhi – 110003.

**Ref.No.6564/2017/FCA-1 Dated:15.07.2020**

**Sir,**

**Sub:** TSFD – Forest (Conservation) Act, 1980 – Proposal for diversion of **409.53 Ha** (387.13 ha Horizontal area as per ETS & DGPS survey) of forest land in Keshavapur RF, Medchal-Malkajgiri 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 HMWS&SB, Hyderabad – **Additional Information –Submitted** - Regarding.

**Ref:** 1. PCCF, Telangana, Hyd,Rc.No. 6564/2017/FCA-1, Dt.10.06.2020 (forwarding of proposal).  
2. GoTS, EFS&T (FOR.I) Dept., Telangana, Lr.No.1430/For.I(1)/2020, Dt.30.06.2020.  
3. General Manager (Engg) Project Division No.IX, HMWS&SB, Hyderabad Lr.No.GM(E)/DB/P.Dn-IX/Keshavapuram/2020-21/304,Dt.02.07.2020.  
4. PCCF, Telangana, Hyd,Rc.No.6564/2017/FCA-1,Dt.03.07.2020  
5. GOI, MoEF&CC, New Delhi F.No.8-08/2020-FC, Dt.10.07.2020

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Kind attention is invited to the references cited.

It is submitted that vide ref 5<sup>th</sup> cited, certain additional information has been sought by the MoEF&CC, GoI, New Delhi on subject proposals furnished in ref 2<sup>nd</sup> cited, for further processing of the proposals under Forest (Conservation) Act,1980 and accordingly the replies are furnished as follows with connected/relevant documents:

<b>S.No.</b>	<b>Additional information sought by GoI, MoEF&amp;CC, New Delhi</b>	<b>Reply furnished by Prl.Chief Conservator of Forests (HoFF), Telangana</b>
1	No Objection Certificate regarding land owners of non-forest CA land has not been submitted along with the proposal	The non-forest CA lands identified are the Government Revenue lands and the No Objection Certificates issued by the concerned Collectors and District Magistrates, Siddipet, Suryapet and Yadadri-Bhuvanagiri have been furnished along with the proposals in ref 2 <sup>nd</sup> cited and also uploaded at Ministry's portal at 'Copy of non-encumbrance certificate' column at 'Details of land identified for Compensatory Afforestation for the forest land' column and also at 'present owner file' column of 'additional information details' column in Part-I and also at 'Details of compensatory afforestation scheme' in Part-II. The State Government has also issued the Government Orders transferring the said non-forest CA lands, which are uploaded at 'additional information details' column. However, the same are furnished herewith again.



2	Cost-Benefit Analysis as per the latest guidelines of Ministry of Environment and Forests and Climate Change has not been submitted along with the proposal	The revised Cost-Benefit Analysis as per the latest guidelines of MoEF&CC has been furnished in ref 4 <sup>th</sup> cited and same is enclosed herewith.																				
3	As per DSS analysis of Compensatory Afforestation (CA) patches, it has been observed that all the patches are located on hilly and undulating surface where top soil erosion has been observed. Site suitability for compensatory afforestation needs to be re-checked	<p>The concerned District Forest Officers have inspected the said non-forest CA lands and reported that the area is partially hilly and rocky, but having stunted forest growth, with soil patches which are eroded and the top soil is lost. 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 in Suryapet and Yadadri-Bhuvanagiri and @ 100 plants per ha in Siddipet and development of Soil and Moisture retention capacity in the area. Soil &amp; Moisture conservation works shall be taken up during the 1<sup>st</sup> &amp; 2<sup>nd</sup> years of the project to gain the impact of such structures over the vegetation growth in the proposed area. Provision is made for Raising &amp; maintenance of nursery, raising of plantation, critical watering, importing of soil, SMC works, protection of CA lands etc. in the CA Scheme. The number of plants proposed to be planted in the NFL CA lands are as follows:</p> <table><tr><th>District</th><th>Area in ha</th><th>Number plants proposed for planting</th><th>Total number of plants</th></tr><tr><td>Siddipet</td><td>106.6900</td><td>100</td><td>10669</td></tr><tr><td>Yadadri-Bhuvanagiri</td><td>12.8919</td><td>200</td><td>2578</td></tr><tr><td>Suryapet</td><td>292.3508</td><td>200</td><td>58470</td></tr><tr><td><b>Total</b></td><td><b>411.9327</b></td><td></td><td><b>71718</b></td></tr></table> <p>As per the para 2.4 (vi) of Handbook of F©Act,1980, F(C)Rules,2003/2014, guidelines and clarifications issued by MoEF&amp;CC, GoI, New Delhi in <u>F.No.5-2017-FC, Dt.28.03.2019</u> and amendments issued therein, the number of plants to be planted are 409530 i.e., 1000 plants per ha of forest area proposed for diversion. In case it is not possible to raise plantation at the rate of 1000 plants per ha on the selected non-forest land, then the balance plants shall be planted on degraded forest land as per working plan prescriptions. All forest lands which have crown density below 40 percent should only be treated as degraded forest land for the purpose of CA. Hence, balance 337812 plants are being proposed for planting in degraded forest lands of crown density less than 40%. Accordingly, the District Forest Officer, Bhadradri-Kothagudem has identified the 350 ha degraded forest lands for raising with 10 years of maintenance @ 1111 plants/ha and the total number of plants proposed in DFL are 388850. Provision is</p>	District	Area in ha	Number plants proposed for planting	Total number of plants	Siddipet	106.6900	100	10669	Yadadri-Bhuvanagiri	12.8919	200	2578	Suryapet	292.3508	200	58470	<b>Total</b>	<b>411.9327</b>		<b>71718</b>
District	Area in ha	Number plants proposed for planting	Total number of plants																			
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<b>Total</b>	<b>411.9327</b>		<b>71718</b>																			



		<p>made for Raising &amp; maintenance of nursery, raising of plantation, SMC works, trenching, bund planting, habitat improvement works etc., in the CA Scheme. Hence, the total number of plants proposed for planting are 71718 (NFL) + 388850 (DFL) = 4,60,568, which is more than the stipulated i.e., 409530.</p> <p>The above facts have been reported in ref 1<sup>st</sup> cited along with the CA Schemes and Site inspection reports, which are also uploaded at Ministry's portal at 'Additional information Details' of Part II.</p> <p>Same are enclosed herewith again.</p>
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It is submitted herewith for favor of information and necessary action.

Encl: (As above)

Yours faithfully,

**Sd/-R.Sobha,**

Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC)

Copy submitted to the Principal Secretary to Government, Environment, Forests, Science & Technology Department, Telangana State, Aranya Bhavan, Saifabad, Hyderabad - 500004 for favor information and necessary action

Copy to the Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Khairatabad, Hyderabad-500 004 for information and necessary action.

Copy submitted to the Additional Director General of Forests (Central), Regional Office (South Eastern Zone), MoEF&CC, GoI, Cathedral Gardens, Nungambakkam, Chennai-600034 for favor of information.

//true copy//

*P. Sheerin*  
for Principal Chief Conservator of Forests

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From,  
**Smt. R.Sobha, IFS,**  
Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC),  
Telangana State, "Aranya Bhavan",  
Saifabad, Hyderabad - 500004.

To,  
**The Additional Director General of Forests  
(Central),** Regional Office (South Eastern Zone),  
MoEF&CC, Gol, Cathedral Gardens,  
Nungambakkam,  
Chennai-600034

**Ref.No.6564/2017/FCA-1 Dated: 25.07.2020**

Sir,

**Sub:** TSFD – Forest (Conservation) Act, 1980 – Proposal for diversion of **409.53 Ha** (387.13 ha Horizontal area as per ETS & DGPS survey) of forest land in Keshavapur RF, Medchal-Malkajgiri 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 HMWS&SB, Hyderabad – **Additional Information – Submitted -** Regarding.

**Ref:** 1. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.10.06.2020 (forwarding of proposal).  
2. GoTS, EFS&T (FOR.I) Dept., Telangana, Lr.No.1430/For.I(1)/2020, Dt.30.06.2020.  
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5. GOI, MoEF&CC, New Delhi F.No.8-08/2020-FC, Dt.10.07.2020  
6. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.15.07.2020  
7. WhatsApp message received from RO, Chennai communicating the remarks on the FL proposed for diversion on 24.07.2020

Kind attention is invited to the references cited.

It is submitted that vide ref 7<sup>th</sup> cited, the status as seen in the decision support system has been communicated by RO, Chennai with remarks and requested to furnish the replies on the remarks. Accordingly the remarks are furnished as follows with connected/relevant documents:

S.No.	Remarks as per DSS communicated by Gol, MoEF&CC, Chennai	Reply furnished by PCCF(HoFF), Telangana
1	Extent of area proposed for diversion is estimated as 386.84 ha and area is inviolate	It is submitted that as per the notification of the Keshavapur RF under section of 15 of the AP Forest Act,1967 in G.O.Ms.No.34, EFS&T (For.I) Department, Dt.26.02.2014 (copy enclosed), the extent of area is 409.53 ha (estimated using conventional methods and the surface area which are in vogue at that time). The field book (distances and bearings) needs to be projected while plotting and estimation of areas, for which the elevation data needs to be recorded. Further, Due to change of magnetic axis of earth, the Bearings change with efflux



	<p>of time; the distances supposed to be level distance is very approximate like angle; errors accumulate and carry forward; distances and bearings are not accurate, the readings are very coarse, i.e., least count of the instruments is less and also have other inherent errors; hence, sometimes there will be inaccuracy in estimation of areas.</p> <p>The block is fixed as per the notification description and intact; has been surveyed using modern techniques (DGPS equipment), which directly projects the readings on to an horizontal plane (latitude &amp; longitude and Easting &amp; Northing) and the horizontal area is estimated as <b>387.13 ha</b> using the high-end ArcGIS Software. Same is mentioned in the subject as well as in the proposal and covering letter.</p> <p>In this regard, it is submitted that the Latitude and Longitude of DGPS Survey are relatively accurate and won't change in short span of time; unlike magnetic bearings taken with Compass. In DGPS Survey errors, if any, are not accumulated &amp; not carried forward, highly accurate, least count of the instrument is high, the readings are automatically projected to horizontal plane and the extents are accurate.</p> <p>The extents estimated using different methods and software may yield variable extents.</p> <p>Hence the variation between notification and the DGPS Survey may be ignored and the extent as per the notification may be considered for diversion, to avoid any legal complications.</p>
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It is submitted herewith for favor of information and necessary action.

Encl: (As above)

Yours faithfully,

**Sd/- R.Sobha**

Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC)

Copy submitted to the Spl. Chief Secretary to Government, Forests Department, Telangana State, Aranya Bhavan, Saifabad, Hyderabad – 500004 for favor information & necessary action



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Copy submitted to the Director General of Forests & Special Secretary to the Government, Ministry of Environment and Forests and Climate Change, Indira Paryawarana Bhawan, Jorbagh Road, New Delhi – 110003.for favor of information.

Copy submitted to the Inspector General of Forests (FC), Ministry of Environment and Forests and Climate Change, Indira Paryawarana Bhawan, Jorbagh Road, New Delhi – 110003.for favor of information.

Copy to the Addl.Prl.Chief Conservator of Forests, Hyderabad; Chief Conservators of Forests, Kothagudem and Khammam; and Conservator of Forests, Medak for information and necessary action.

Copy to the District Forest Officers, Medchal, Suryapet, Siddipet, Yadadri-Bhuvanagiri, and Bhadradri-Kothagudem for information and necessary action

Copy to the Forest Divisional Officers, Kothagudem, Manuguru, Kinnerasani WLS for information and immediate necessary action.

Copy to the General Manager (Engg.), Project Division No.IX, HMWS&SB, Hyderabad and the Deputy Conservator of Forests, Plantation Cell division, HMWS&SB, Hyderabad for information and immediate necessary action.

// True Copy //

R. Sallu 25/07/2020  
For Prl. Chief Conservator of Forests

25/07/2020



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2343



## GOVERNMENT OF Andhra PRADESH

ABSTRACT

Forest Reservation - Ranga Reddy District - Reservation of KESHAVAPUR FOREST BLOCK to an extent of Ac.1012.00 Gnts / 409.53 Ha of land - Under section 15 of the Andhra Pradesh Forest Act, 1967 as KESHAVAPUR FOREST BLOCK - Notification - Orders - Issued.

ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (FOR.) DEPARTMENT

G.O.Ms.No.34.

Dated:26-02-2014

Read the following :-

From PCCF, A.P. Hyderabad Lr. Rc. No. 4056/2012-12, dt.21-07-2012.

&lt;&lt;&gt;&gt;

ORDER:

The appended notification in the languages of English and Telugu version, under section 15 of the Andhra Pradesh Forest Act, 1967, (Andhra Pradesh Act I of 1967) for reservation of KESHAVAPUR FOREST BLOCK, Ranga Reddy District, to an extent of Ac.1012.00 Gnts / 409.53 Ha of land, submitted by the Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad, in his letter read above is approved and forwarded to the Commissioner of Printing, Stationery & Stores Purchase (Printing Wing), Hyderabad. He is requested to get the notification published both in English and Telugu languages in the next issue of the Andhra Pradesh Gazette and furnish 5 (five) copies of the Gazette to the Government and 50 (fifty) copies to the Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad.

2. The District Collector, Ranga Reddy District is requested to publish the appended notification in the District Gazette, after its publication in the Andhra Pradesh Gazette and on receipt of specific requisition from the Divisional Forest Officer, Hyderabad.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

M. SAMUEL,  
SPECIAL CHIEF SECRETARY TO GOVERNMENT.

To  
The Commissioner of Printing, Stationery & Stores Purchase (Printing),  
Hyderabad (w.e.)  
The District Collector, Ranga Reddy District (w.e.)  
The Principal Chief Conservator of Forests, A.P. Hyderabad.(w.e.)  
The Chief Commissioner of Land Administration, Hyderabad (w.e.)

Copy to:

The Divisional Forest Officer, Hyderabad (w.e)  
The Law (B) Department.  
SF/SCs.

// FORWARDED :: BY ORDER //

SECTION OFFICER.

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2345

**NOTIFICATION**

In exercise of the powers conferred by Section 4 of the Andhra Pradesh Forest Act, 1967 (Act-I of 1967), the Governor of Andhra Pradesh, hereby declare that, it is proposed to constitute the land with in the boundaries specified in the Schedule below, (delineated in the map kept in the Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad) to be a Reserved Forest with immediate effect.

**SCHEDULE**

Name of the District	Ranga Reddy
Name of the Division	Hyderabad
Name of the Mandal	Shamirpet
Name of the Range	Hyderabad North
Name of the Block proposed to be Reserved	KESHAWAPUR
Area of the Block proposed to be Reserved	Acs. 1012.00 Gts Or 409.53 Ha

Area included in the proposed Forest Block.

Sl No.	Name of the Village	Nature of Land	Sy.No	Area included In R.F. in Acres - Gts.
1.	Keshawapur	Porampoke	118	510-00
2.	Yakatpura	Porampoke	72/16	225-00
3.	Yadraspally	Porampoke	173	130-00
4.	Yadraspally	Gairan	270	15-00
5.	Yadraspally	Gairan	172	132-00
			Total	Ac 1012-00 Gts or 409.53 Ha.

**BOUNDARIES**

North : the boundary of the forest block starts from station No.1 situated on a massonary pillar, which is at north-east corner stone of the Government land (i.e. Military diary form where the stone of diary form No. (I.H.C.A)/34 MF and runs in an eastern direction up to station No. 6 with the following magnetic bearings and distances.

Stations Nos.		Bearings in Degrees	Distance in Links
From	To		
1	2	3	4
1	2	118.00	1755
2	3	86.30	792
3	4	85.30	900
4	5	83.30	1046
5	6	84.15	1140



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East: From Station No. 6, the boundary line runs towards south, east and south upto Station No. 61 with the following bearings and distances.

Station		Magnetic Bearings in Degrees	Distances in Links (In chain Links)
From	To		
(1)	(2)	(3)	(4)
6	7	214.30	1408
7	8	178.00	705
8	9	175.00	700
9	10	182.00	1000
10	11	176.30	850
11	12	125.15	1350
12	13	117.00	510
13	14	112.00	880
14	15	126.30	700
15	16	192.00	895
16	17	104.15	460
17	18	103.30	680
18	19	92.00	715
19	20	122.30	700
20	21	227.15	948
21	22	223.00	1205
22	23	229.30	840
23	24	218.30	1250
24	25	222.00	1010
25	26	230.30	700
26	27	144.30	300
27	28	55.00	970
28	29	55.30	800
29	30	57.30	800
30	31	40.00	480
31	32	40.00	253
32	33	41.15	725
33	34	47.00	600
34	35	340.00	270
35	36	39.00	560
36	37	48.30	710
37	38	51.00	640
38	39	77.30	320
39	40	83.30	590
40	41	37.30	840
41	42	87.30	980
42	43	97.30	1060
43	44	103.15	220
44	45	96.30	155
45	46	109.30	440
46	47	123.45	440
47	48	198.00	790
48	49	205.00	490
49	50	209.30	470
50	51	205.00	800
51	52	205.30	1100
52	53	205.30	800
53	54	103.00	425
54	55	27.30	800



2349

55	56	30 30	1100
56	57	24 00	500
57	58	123 30	560
58	59	137 30	510
59	60	98 30	500
60	61	102 15	175

South: From Station No. 61 the boundary line runs towards west up to station No 80 with the following bearings and distances.

Station Nos		Magnetic Bearings in Degrees	Distances (In chain Links)
From	To		
(1)	(2)	(3)	(4)
61	62	196 30	520
62	63	233 45	250
63	64	247 30	900
64	65	244 00	600
65	66	224 30	520
66	67	281 30	640
67	68	291 00	660
68	69	292 00	934
69	70	319 00	550
70	71	330 00	900
71	72	254 00	1330
72	73	267 30	200
73	74	249 30	690
74	75	241 30	1555
75	76	236 00	945
76	77	229 15	625
77	78	218 00	650
78	79	238 00	290
79	80	256 00	420

West: From station No. 80 the boundary line runs towards North up to station No. 1 with the following bearings and distances.

Station		Magnetic Bearings in Degrees	Distances (In chain Links)
From	To		
(1)	(2)	(3)	(4)
80	81	308 45	1350
81	82	309 00	1830
82	83	315 00	460
83	84	307 00	1050
84	85	18 15 00	100
85	86	332 00	832
86	87	338 15	886
87	88	322 30	1080
88	89	314 30	450
89	90	349 00	800
90	91	9 00	320
91	92	13 00	470
92	93	4 00	460



7351

93	94	16.15	850
94	95	359.00	1158
95	96	16.00	1050
96	97	17.00	225
97	98	356.00	680
98	99	355.00	928
99	1	330.00	1280

Remarks:

- (1) There are no enclosures to be allowed within the block
- (2) There are no rights of way to be admitted within the block.

M. SAMUEL,  
SPECIAL CHIEF SECRETARY TO GOVERNMENT.







**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From,  
**Smt. R.Sobha, IFS,**  
Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC),  
Telangana State, "Aranya Bhavan",  
Saifabad, Hyderabad - 500004.

To,  
**The Director General of Forests & Special  
Secretary to the Government,**  
Ministry of Environment and Forests and Climate  
Change, Indira Paryawarana Bhawan, Jorbagh Road,  
New Delhi – 110003

**Ref.No.6564/2017/FCA-1 Dated: 28.07.2020**

Sir,

**Sub:** TSFD – Forest (Conservation) Act, 1980 – Proposal for diversion of **409.53 Ha** (387.13 ha Horizontal area as per ETS & DGPS survey) of forest land in Keshavapur RF, Medchal-Malkajgiri 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 HMWS&SB, Hyderabad – **Additional Information on WL Rehabilitation Plan – Submitted** - Regarding.

**Ref:** 1. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.29.06.2020 (forwarding of proposal).  
2. GoTS, EFS&T (FOR.I) Dept., Telangana, Lr.No.1430/For.I(1)/2020, Dt.30.06.2020.  
3. General Manager (Engg) Project Division No.IX, HMWS&SB, Hyderabad Lr.No.GM(E)/DB/P.Dn-IX/Keshavapuram/2020-21/304, Dt.02.07.2020.  
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7. WhatsApp message received from RO, Chennai communicating the remarks on the FL proposed for diversion on 24.07.2020  
8. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.25.07.2020  
9. DFO, Medchal, Rc.No.1091/2017/D, Dt.27.07.2020

Kind attention is invited to the references cited.

It is submitted that vide ref 6<sup>th</sup> cited, a detailed reply has been sent on EDS raised in ref 5<sup>th</sup> cited on the proposals submitted in ref 2<sup>nd</sup> cited.

Further, certain queries have been raised by RO, Chennai in ref 7<sup>th</sup> cited and reply has been furnished to the extent of forest areas proposed for diversion (copy enclosed) in reference 8<sup>th</sup> cited.

Vide ref 9<sup>th</sup> cited, District Forest Officer, Medchal has furnished the Wildlife Rehabilitation Plan in Ponnal and Yadgarpally-I & II RFs, which are nearby the Keshavapur RF Block with detailed scheme, for an amount of Rs.266.87 Lakhs (copy enclosed), stating that the wildlife in the proposed area for diversion in Keshavapur forest block will migrate to these Ponnal and Yadgarpally-I & II forest blocks, as the Keshavapur RF will be submerged due to diversion and construction of reservoir. In this regard, it is submitted that while forwarding the proposals, the Addl. Prl. Chief Conservator of Forests/CF, Hyderabad in his inspection report stated that a Wildlife Rehabilitation Plan in adjacent forest area is required for which the wildlife habitat needs to be improved in the adjoining forest areas, including creation of Awareness towards conservation of Environment and Wildlife.



Hence, it is requested to include the WL Rehabilitation Plan in the proposal.

Encl: (As above)

Yours faithfully,

**Sd/- R.Sobha**

Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC)

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// True Copy //

*R. Sobha* . 28/07/2020  
For Prl. Chief Conservator of Forests

*[Signature]*  
28/07/2020



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From  
Sri D.Sudhakar Reddy,  
District Forest Officer,  
Medchal.

To  
The Addl. Prl.Chief Conservator of Forests/CF,  
Hyderabad Circle,  
Hyderabad.

**Rc.No.1091/2017/D, Dt:27.07.2020.**

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) in 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 – Wildlife Rehabilitation Plan in Ponnal and Yadgarpally-I & II RFs - Proposal submitted – Reg.

- Ref: 1. PCCF TS Hyd.Rc.No.6564/2017/FCA-1, Dt.21.05.2020.  
2. APCCF/CF HC Hyd Rc.No.1378/2018/M3, Dt.08.06.2020  
3. FRO Keesara ,Rc.No.12/KSR/2019, Dt.12.06.2020.  
4. DFO Medchal Rc.No.1091/2017/D, Dt.12.06.2020.  
5. APCCF/CF HC Hyd Rc.No.1378/2018/M3, Dt.16.06.2020.  
6. PCCF TS Hyd.Rc.No.6564/2017/FCA-1, Dt.29.06.2020.

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Adverting to the reference cited above, it is submitted that vide reference 1<sup>st</sup> cited the Prl. Chief Conservator of Forests, TS, Hyderabad has forwarded the proposals in Form-A for diversion of forest land to an extent of **409.53 Ha (387.13 Ha Horizontal area as per DGPS) in 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 and requested to process under Forest Conservation Act, 1980 and guidelines/ rules issued there under.

Accordingly the processed proposals are submitted vide this office reference 4<sup>th</sup> cited and the proposals are also submitted to Government vide reference 6<sup>th</sup> cited above.

Further it is submitted that during the visit to Kandlakoya Oxygen Park on 25.07.2020, the PCCF TS Hyd has issued instructions to prepare Wildlife Mitigation Plan in Ponnal and Yadgarpally-I & II RFs to accommodate the wild life in the proposed area for diversion which will migrate to these adjoining forest blocks, if the Keshavapur RF is diverted. Accordingly the proposals are prepared with an outlay of Rs.266.87 Lakhs and submitted herewith for inclusion in the project.

This is submitted for favour of kind information and necessary action.

Encl: As above.

Yours faithfully,

*D. S. Sudhakar Reddy*  
District Forest Officer,  
Medchal.

Copy submitted to the Prl. Chief Conservator of Forests (HoFF), Telangana, Hyderabad for favour of kind information.



# Wild Life Mitigation Activities Proposed in the Blocks Adjoining to Keshavapur RF Block

Rs. in Lakhs

Sl.No.	Activity Proposed	Ponnal RF		Yadgarpally-I RF		Yadgarpally-II RF		Total		Remarks
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	
1	2	3	4	5	6	7	8	9	10	11
1	Erection of chain link fencing	5.16 Km	140.00						140.00	
2	Formation of percolation Tanks	2 Nos.	4.00	2 Nos.	4.00	2 Nos.	4.00	6 Nos	12.00	
3	Formation of Solar Borewell at percolation tanks	2 Nos.	11.00	2 Nos.	11.00	2 Nos.	11.00	6 Nos	33.00	
4	Development of Natural Forest grass including uprooting weeds and sowing local grass (3 operations)	10 Ha	2.50	10 Ha	2.50	10 Ha	2.50	30 Ha	7.50	
5	Laying of self guided nature trail with 2.40 mtrs including removal of thorny bushes, spreading morrum and use of hand roller	3 Km	3.00	3 Km	3.00	3 Km	3.00	9 Km	9.00	
6	Educative and regulatory sign boards								0.00	
	Large:	1 No.	1.50	1 No.	1.50	1 No.	1.50	3 Nos.	4.50	
	Small:	10 Nos.	2.00	10 Nos.	2.00	10 Nos.	2.00	30 Nos	6.00	
7	Creation of fire lines cum inspection paths all around the Block with 6mtr width	5.16 Km	0.51	8.188 Km	0.81	4.095 Km	0.40	17.443 Kms	1.72	
8	Purchase of Camera traps	6 Nos.	1.50	6 Nos.	1.50	6 Nos.	1.50	18 Nos.	4.50	
9	Purchase of Binoculars	2 Nos.	0.50	2 Nos.	0.50	2 Nos.	0.50	6 Nos.	1.50	
10	Construction of Watch tower including Guard room	1 No.	8.00	1 No.	8.00	1 No.	8.00	3 No.	24.00	
11	Watch & Ward one person 12 months 3 years	1No	3.48	1No	3.48	1No	3.48	3No	10.44	
12	Administrative cost including unforeseen expenditure @ 5% of total expenditure								12.71	
	Total:		177.99		38.29		37.88		266.87	

*Reddy 27/7/10*  
District Forest Officer,  
Medchal.



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From,  
**Smt. R.Sobha, IFS,**  
Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC),  
Telangana State, "Aranya Bhavan",  
Saifabad, **Hyderabad - 500004.**

To,  
**The Director General of Forests & Special  
Secretary to the Government,**  
Ministry of Environment and Forests and Climate  
Change, Indira Paryawarana Bhawan, Jorbagh Road,  
**New Delhi – 110003**

**Ref.No.6564/2017/FCA-1 Dated: 29.07.2020**

Sir,

**Sub:** TSFD – Forest (Conservation) Act, 1980 – Proposal for diversion of **409.53 Ha** (387.13 ha Horizontal area as per ETS & DGPS survey) of forest land in Keshavapur RF, Medchal-Malkajgiri 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 HMWS&SB, Hyderabad – **Additional Information on Capacity of the Reservoir – Submitted** - Regarding.

**Ref:** 1. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.29.06.2020 (forwarding of proposal).  
2. GoTS, EFS&T (FOR.I) Dept., Telangana, Lr.No.1430/For.I(1)/2020, Dt.30.06.2020.  
3. General Manager (Engg) Project Division No.IX, HMWS&SB, Hyderabad Lr.No.GM(E)/DB/P.Dn-IX/Keshavapuram/2020-21/304, Dt.02.07.2020.  
4. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.03.07.2020  
5. GOI, MoEF&CC, New Delhi F.No.8-08/2020-FC, Dt.10.07.2020  
6. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.15.07.2020  
7. WhatsApp message received from RO, Chennai communicating the remarks on the FL proposed for diversion on 24.07.2020  
8. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.25.07.2020  
9. DFO, Medchal, Rc.No.1091/2017/D, Dt.27.07.2020  
10. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.27.07.2020  
11. Managing Director, HMWS&SB, Hyderabad Lr.No.HMWSSB / MD/Keshavapuram/LA/Forest-Lands/2020-21/187, Dt.28.07.2020

Kind attention is invited to the references cited.

It is submitted that vide ref 6<sup>th</sup> cited, a detailed reply has been sent on EDS raised in ref 5<sup>th</sup> cited on the proposals submitted in ref 2<sup>nd</sup> cited.

Further, certain queries have been raised by RO, Chennai in ref 7<sup>th</sup> cited and reply has been furnished to the extent of forest areas proposed for diversion (copy enclosed) in reference 8<sup>th</sup> cited.

Vide ref 10<sup>th</sup> cited (copy enclosed), the Wildlife Rehabilitation Plan in Ponnal and Yadgarpally-I & II RFs with detailed scheme, for an amount of Rs.266.87 Lakhs, and submitted that the wildlife in the proposed area for diversion in Keshavapur forest block will migrate to these Ponnal and Yadgarpally-I & II forest blocks, as the Keshavapur RF will be submerged due to diversion and requested to include the WL Rehabilitation Plan in the proposal.

Vide ref 11<sup>th</sup> cited (copy enclosed), the Managing Director, HMWS&SB, Hyderabad has informed that vide GO.Ms.No.129, MA&UD (Engg.) Dept, Dt.29.02.2020, the capacity of the reservoir has



been reduced to 5.04 TMC with its utilization twice from 10 TMC (GO.Ms.No.273, MA&UD (Engg.) Dept, Dt.24.10.2017) which will serve 10 TMC of water to Hyderabad city. Further informed that the embankment bund proposed for the storage reservoir is a closed Ring Bund covering the entire area as such it has no separate catchment area for inflows into the reservoir.

Hence, it is requested to treat the storage capacity of the reservoir as 5.04 TMC with its utilization twice which will serve 10 TMC of water to Hyderabad city.

Encl: (As above)

Yours faithfully,

**Sd/-R.Sobha**

Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC)

Copy submitted to the Spl. Chief Secretary to Government, Forests Department, Telangana State, Aranya Bhavan, Saifabad, Hyderabad – 500004 for favor information & necessary action

Copy to the Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Khairatabad, Hyderabad-500 004 for information and necessary action.

Copy submitted to the Additional Director General of Forests (Central), Regional Office (South Eastern Zone), MoEF&CC, Gol, Cathedral Gardens, Nungambakkam, Chennai-600034 for favor of information and necessary action.

Copy submitted to the Inspector General of Forests (FC), Ministry of Environment and Forests and Climate Change, Indira Paryawarana Bhawan, Jorbagh Road, New Delhi – 110003.for favor of information.

Copy to the Addl.Prl.Chief Conservator of Forests, Hyderabad; Chief Conservators of Forests, Kothagudem and Khammam; and Conservator of Forests, Medak for information and necessary action.

Copy to the District Forest Officers, Medchal, Suryapet, Siddipet, Yadadri-Bhuvanagiri, and Bhadradri-Kothagudem for information and necessary action

Copy to the Forest Divisional Officers, Kothagudem, Manuguru, Kinnerasani WLS for information and immediate necessary action.

Copy to the General Manager (Engg.), Project Division No.IX, HMWS&SB, Hyderabad and the Deputy Conservator of Forests, Plantation Cell division, HMWS&SB, Hyderabad for information and immediate necessary action.

// True Copy //

*R. Sobha* - 29/10/2020

For Prl. Chief Conservator of Forests

*29/10/2020*



ఎం. దాన కిషోర్, ఐఏఎస్  
నిర్వహణ సంచాలకులు

M. Dana Kishore, IAS  
Managing Director



హైదరాబాద్ మహానగర నీటి సరఫరా  
మరియు మురుగు నీటి పారుదల మండలి

Hyderabad Metropolitan  
Water Supply & Sewerage Board



Lr.No:HMWSSB/MD/Keshavapuram/LA/Forest-Lands/2020-21/187

Dated: 28-07-2020

To:

The Principal Chief Conservator of Forests,  
Government of Telangana, Aranya Bhavan,  
Saifabad, Hyderabad.

Sir,

Sub: HMWSSB – Construction of 5.04 TMC reservoir at Keshavapuram with associated components under Godavari river source for drinking water requirements to Hyderabad City – Project Redesigned - Forest Lands Acquisition – Meeting held with Forest Officials - Clarifications provided – Reg.

Ref: 1. GO Ms.No.273, MA&UD(Engg.) Dept, dated: 24.10.2017  
2. GO Ms.No 129, MA&UD(Engg.) Dept, dated: 29.02.2020  
3. Review Meeting held at Pccf office, Aranya Bhavan on 28.07.2020.  
-o0o-

Adverting the subject and references cited, it is to inform that the keshavapuram Project was designed to supply 172 Mg per day i.e. 10 TMC water per annum to Hyderabad City.

Due to land constraints, vide reference 2<sup>nd</sup> cited the Government has issued orders in reducing the Keshavapuram Storage Reservoir Capacity from 10 TMC to 5.04 TMC with its utilization by filling twice which will serve 10 TMC of water to Hyderabad City.

It is to inform that for laying the Inlet and Outlet pipelines of the Keshavapuram Reservoir, there is no forest land acquisition-is involved.

Further to inform that the embankment bund proposed for the storage reservoir is a closed Ring Bund covering the entire area as such it has no separate catchment area for inflows into the reservoir.

It is requested to clarify the above to the Additional Pccf (Central), Chennai who is on inspection to the Project site areas.

Encl: 1) G.O.Ms.No.273, dt: 24.10.2017  
2) G.O.Ms.No.129, dt: 29-02-2020

Yours faithfully,

Managing Director  
H.M.W.S. & S.B



**GOVERNMENT OF TELANGANA  
ABSTRACT**

MA & UD Department - HMWSSB - Construction of 10 TMC Raw Water Storage Reservoir at Keshavapuram with associated components under Godavari river source for the drinking water requirements of Hyderabad City under Hybrid Annuity Mode of contract for an amount of Rs.4777.59 Crores - Calling the online tenders under Hybrid Annuity Mode of contract to take up the project - Permission - Accorded - Orders- Issued.

**MUNICIPAL ADMINISTRATION & URBAN DEVELOPMENT (Engg.) DEPARTMENT**

**G.O.Ms.No.273**

**Date:24.10.2017**

**Read the following:**

1. G.O.Rt.No.12, MA&UD (C) Dept., dt:05.01.2016.
2. From the MD, HMWSS&SB, Hyderabad, Lr.No.HMWSSB/ MD/Resr-Keshavapuram-10TMC/DPR/AS/17-18/93, dt:27.09.2017.

&&&

**ORDER:**

The Managing Director, Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad in the reference 2<sup>nd</sup> read above has reported that, in view of the increased service area and in view of low dependability of other sources, the HMWSSB was directed to formulate one augmentation scheme from Godavari river source and another scheme from Krishna river source and appointed M/s.WAPCOS Ltd. (A Govt. of India consultant) for preparation of the DPRs vide reference 1<sup>st</sup> read above. With regards to Godavari river source 30 TMC water allocation was made to HMWSSB for drinking water supply requirements of Hyderabad city from Yellampally / Pranahita as source.

2. Accordingly, HMWSSB has already developed 10 TMC scheme from Yellampally Barrage. For the balance 20 TMC, the Kondapochammasagar (at Pamulaparthi Village) under Kaleshwaram Lift Scheme is the source point for HMWSSB to draw the balance 20 TMC for the drinking water supply requirements of Hyderabad city from the earlier allocation. Accordingly, M/s.WAPCOS Ltd., have formulated the draft proposal to draw 20 TMC from Kondapochammasagar wherein the total quantity of lift was made which involves huge recurring power cost and also other associated components of scheme. After detailed discussions consultants were advised to formulate the scheme in phases equivalent of 10 TMC for each scheme and provided certain guidelines such as; inflow to proposed Keshavapuram reservoir shall be by gravity mode from Kondapochammasagar, the alignment of reservoir shall be limited to the least land acquisition from private pattadaras and maximum extent of coverage in Government & Forest lands, the reservoir bund section height shall suit for earthen bund, the capacity can be limited to about 10 TMC with the above conditions, the WTP and other associated components can be retained as proposed and the latest SSR and GST provision shall be considered and to submit the DPR.

3. Accordingly, the M/s.WAPCOS Ltd. has reported that they have explored the various alternatives for finalization of bund alignment satisfying the least coverage of patta lands, drawl of water from Kondapochammasagar to proposed Keshavapuram reservoir through gravity mode and to arrive the capacity of 10 TMC and submitted the DPR for the construction of reservoir of 10 TMC capacity with earthen bund along with other components of the scheme such as inlet mains, outlet mains, WTP, pumping equipment, pumping main, MBR etc. The estimates are prepared with common SSR, I&CAD SSR and GST, other statutory provisions, deposits payable to other utility departments, Land Acquisition costs of Forest, Private Pattadaras etc and the total cost of project is estimated as Rs.4777.59 Crores.

4. The Managing Director, Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad has also reported that after detailed discussions it was advised to process the project under Hybrid Annuity Mode of Contract with 30% share on working items & Tax provisions and land acquisition cost by the Government and 70% of working items cost and statutory provision amounts by investor with a project completion period of 3 years and repayment period of 10 years under monthly payment schedules. M/s.LEA Associates who are the financial consultants have prepared the Financial Models as per the above guidelines.



5. The Managing Director, Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad has requested the Government to accord administrative sanction for the project proposals of "Construction of 10 TMC Raw Water Storage Reservoir at Keshavapuram with associated components under Godavari river source for the drinking water requirements of Hyderabad City under Hybrid Annuity Mode of contract" for an amount of Rs.4777.59 Crores for implementation of the project and for total project cost with monthly repayment to the annuity in a period of 10 years with total payment of Rs.6891.10 Crores and also to provide the budgetary provision of Rs.1700.285 Crores (towards 30% of ECV project cost i.e.  $4396.15 \times 30\% = \text{Rs.}1318.845$  Crores plus the land acquisition cost of Rs.381.44 Crores) for implementation of the project. The investor share will be of Rs.3077.305 Crores (70% of ECV project cost i.e.  $\text{Rs.}4396.15 \times 70\%$ ). The Managing Director, HMWSSB has also and also requested to permit the Managing Director, HMWSSB to call for online tenders under Hybrid Annuity Mode of contract to take up the project.

6. Government after careful examination of the matter hereby accord administrative sanction for the project of "Construction of 10 TMC Raw Water Storage Reservoir at Keshavapuram with associated components under Godavari river source for the drinking water requirements of Hyderabad City under Hybrid Annuity Mode of contract" for an amount of Rs.4777.59 Crores for implementation of the project and for total project cost with monthly repayment to the annuity in a period of 10 years with total payment of Rs.7212.78 Crores.

7. The Govt. will provide the budgetary provision of Rs.1260.67 Crores (towards 20% of ECV project cost i.e.  $4396.15 \times 20\% = \text{Rs.}879.23$  Crores plus the land acquisition cost of Rs.381.44 Crores) for implementation of the project, the investor share will be of Rs.3516.92 Crores (80% of ECV project cost i.e.  $\text{Rs.}4396.15 \times 80\%$ ).

8. The Government hereby also permit the Managing Director, Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad to call for online tenders under Hybrid Annuity Mode of contract to take up the project.

9. The Managing Director, Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad shall take necessary action accordingly.

10. This order issues with the concurrence of the Finance (DCM) department vide their U.O.No.11943/335/A3/DCM/17, Dated:11.10.2017.

( BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA )

NAVIN MITTAL  
SECRETARY TO GOVERNMENT

To  
The Managing Director,  
Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad.

Copy to :  
The P.S to Principal Secretary to CM.  
The OSD to Minister(MA&UD)  
The P.S to C.S to Government.  
The P.S to Secretary to Government., MA&UD Department.  
The Finance(DCM) Dept.  
Sf/Sc.

// FORWARDED BY ORDER//

  
SECTION OFFICER



**GOVERNMENT OF TELANGANA**

**ABSTRACT**

Municipal Administration & Urban Development Department - HMWSSB  
- Construction of storage reservoir at Keshavapuram with associated drinking water supply components - Redesign of Storage reservoir capacity within Government & Forest lands and components for additional drawl of 10 TMC from Kondapochamma Sagar to Ghanpur WTP by laying pipeline along the existing HMWSSB Godavari Pipeline as supplemental work to the existing agency i.e. M/s. MEIL - Permission - Accorded - Issued.

**G.O.Rt.No.129**

**Dated: 29.02.2020**

Read the following :-

1. G.O. Ms.No.273, MA & UD (Engg.) Dept., dt.24.10.2017
2. G.O. Rt.No.91, MA & UD (Engg.) Dept., dt.3.2.2018.
3. From the M.D, HMWSSB Lr.No:HMWSSB/MD/10TMC-Keshavapuram/Redesign/2019-20,Dated:14-09-2019.
4. From the ENC (Irrigation)/DCE1/OT2/AEE20/KPH/HMWSSB/2019, Dated: 17.12.2019.
5. Note from the M.D, HMWSSB, Hyderabad No. HMWSSB/MD/10TMC-Keshavapuram/Redesign/2019-20/313, dt: 28.02.2020.

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**ORDERS:-**

In the reference 1<sup>st</sup> read above, the Government has accorded administrative sanction for the project of Construction of storage reservoir of 10 TMC capacity at Keshavapuram with associated components at a cost of Rs.4777.59 Crores to take up the project under Hybrid Annuity Mode Contract.

2. In the reference 2<sup>nd</sup> read above, orders were issued approving the lowest bid offer at 3.45% excess on ECV of Rs.3788.06 Cr and awarded the contract at Rs.3918.74 Cr. (i.e. Rs.3788.06 x 1.0345) (Rupees Three thousand nine hundred eighteen crores and seventy four lakhs only) to M/s. Megha Engineering & Infrastructures Ltd., Hyderabad and also hereby permit the HMWSSB to issue LOA and conclude the agreement with annuity payment schedules as per the approved rate of interest under Hybrid Annuity Mode of Contract. The above said entrustment of work has been awarded to M/s MEIL, Hyderabad as per the recommendation of the 155<sup>th</sup> Tender Committee of HMWS&SB.

3. In the reference 3<sup>rd</sup> read above the Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Hyderabad has reported that on 08.07.2019 the Hon'ble Chief Minister has reviewed the bottlenecks of land acquisition with the officials of concerned Departments and the Collector, Medchal-Malkajgiri District appraised that the farmers of private land owners of Bommarasipet & Ponnala Villages are demanding huge compensation which is not within the acceptable limits of Government for acquisition of lands for developing public infrastructure and suggested to avoid the LA of private lands and resize the storage reservoir within the extent of Government and Forest Lands. It was decided in the meeting to go for revision of the project to 5 TMC capacity. During the review meeting it

PTO



was also directed to examine the feasibility for drawl of additional 10 TMC from Kondapochamma Sagar with WTP at Ghanpur and submit report to the Government along with redesigned project of Keshavapuram. Accordingly, M/s. WAPCOS Ltd. were entrusted to submit a report to redesign the Keshavapuram Project and additional drawl of 10 TMC water.

4. M/s. WAPCOS consultants have submitted the Redesigned project report vide Lr. dt.20.8.2019 for Storage Reservoir to build within Government and Forest Lands arriving at 5.04 TMC capacity in place of 10 TMC capacity and the inlet main of 3600mm dia with single row for 34.85 Km length instead of 2 rows of 3600mm dia each main of 18 Km length. As per the redesign, the project executable items cost is Rs.2808.61 Crores and the cost of statutory provisions of GST, Labour Cess, NAC Cess, Physical, Price contingencies & deposits to other department is Rs.479.76 Crores and LA cost for forest land alienation is at Rs.75 Crores totaling to Rs.3363.37 Crores.

5. Further M/s. WAPCOS consultants have submitted the report vide letter dt.28.8.2019 for additional drawls of 10 TMC water from Kondapochamma Sagar with WTP at Ghanpur. The component wise details as per the base rates of Keshavapuram scheme are as below. The cost of the said components reported by M/s. WAPCOS consultants is arrived at Rs.1006.00 Crores.

6. The Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board has requested the government whether to take up these component works for additional drawls of 10 TMC from Kondapochamm Sagar Reservoir either as supplemental item under the awarded Keshavapuram Annuity Mode Project from the saving amounts as per the base rates of agreement dt: 9.3.2018 or to take up as a separate project. The MD, HMWSSB has submitted that the cost of redesigned project of Keshavapuram Storage reservoir and the cost of additional drawls of 10 TMC from Kondapochammasagar Reservoir works out to Rs.4369.37 Crores (3363.37 + 1006.00) which is well within the administrative sanction amount of Rs.4777.59 Crores of the Keshavapuram project.

7. In the reference 4<sup>th</sup> read above the Engineer-in-Chief-(Irrigation) has stated that proposal of the HMWSSB has been examined by the State level Standing Committee and it has been recommended for taking up the re-designed storage capacity of Keshavapuram with associated components and entrustment of the work of drawl of additional 10 TMC from Kondapochamma Sagar to Ghanpur WTP by laying pipeline along the existing HMWSSB Godavari Pipeline as supplemental work to the existing agency i.e. M/s MEIL at their agreement rates.

8. In the reference 5<sup>th</sup> read above, the Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Hyderabad has informed that the State Level Standing Committee of I&CAD have examined through its minutes dt: 21.11.2019 and reported that based on the recommendations of M/s. WAPCOS Ltd. and HMWSSB, provisions of existing agreement and financial savings if compared with current SSR and urgency of the scheme, the Committee

Cont.P.3



recommends to the Government for taking up the redesigned storage capacity of Keshavapuram with associated components an entrustment of the work of drawl of additional 10 TMC from Kondapochamma Sagar to Ghanpur WTP by laying pipeline along the existing HMWS&SB Godavari pipe line as supplemental work to the existing agency i.e., M/s. MEIL at their agreement rates and stated that the HMWSSB may take further necessary action accordingly. In view of the above, as per the proposal submitted by HMWSSB and M/s. WAPCOS, the State Level Standing Committee have examined and recommended the same to the Government for consideration for implementation."

9. After careful examination of the matter, Government hereby permit the HMWS&SB, Hyderabad for taking up the re-designed storage capacity of Keshavapuram with associated components and entrustment of the work of drawl of additional 10 TMC from Kondapochamma Sagar to Ganpur WTP by laying pipeline along the existing HMWSSB Godavari Pipeline as supplemental work to the existing agency i.e. M/s MEIL at their agreement rates.

10. The Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Hyderabad shall take further action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANAGANA)

ARVIND KUMAR  
PRINCIPAL SECRETARY TO GOVERNMENT

✓ To  
The Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Hyderabad.

Copy to:

OSD to Hon'ble Minister, (MA&UD).  
P.S. to Prl. Secretary, (MA&UD)  
SF/SC.

//FORWARDED::BY ORDER//

*[Signature]*  
SECTION OFFICER



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From,  
**Smt. R.Sobha, IFS,**  
Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC),  
Telangana State, "Aranya Bhavan",  
Saifabad, Hyderabad - 500004.

To,  
**the Director General of Forests & Special Secretary  
to the Government,**  
Ministry of Environment and Forests and Climate  
Change, Indira Paryawarana Bhawan, Jorbagh Road,  
New Delhi – 110003

**Ref.No.6564/2017/FCA-1 Dated: 31.07.2020**

Sir,

**Sub:** TSFD – Forest (Conservation) Act, 1980 – Proposal for diversion of **409.53 Ha** (387.13 ha Horizontal area as per ETS & DGPS survey) of forest land in Keshavapur RF, Medchal-Malkajgiri 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 HMWS&SB, Hyderabad – **Detailed information on alternate CA NFL in Siddipet and areas deducted in CA NFL of Suryapet– Submitted -** Regarding.

**Ref:**

1. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.29.06.2020 (forwarding of proposal).
2. GoTS, EFS&T (FOR.I) Dept., Telangana, Lr.No.1430/For.I(1)/2020, Dt.30.06.2020.
3. General Manager (Engg) Project Division No.IX, HMWS&SB, Hyderabad Lr.No.GM(E)/DB/P.Dn-IX/Keshavapuram/2020-21/304, Dt.02.07.2020.
4. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.03.07.2020
5. GOI, MoEF&CC, New Delhi F.No.8-08/2020-FC, Dt.10.07.2020
6. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.15.07.2020
7. WhatsApp message received from RO, Chennai communicating the remarks on the FL proposed for diversion on 24.07.2020
8. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.25.07.2020
9. Managing Director, HMWS&SB, Hyderabad Lr.No.HMWSSB / MD/Keshavapuram Project/ CA lands/2020 /180-1, Dt.026.07.2020.
10. Government of Telangana G.O.Ms.No.88, Revenue (Assn.IV) Dept.Dt.27.07.2020 received from HMWSSB, Hyderabad
11. District Collector, Siddipet Rc.No.E1/2265/2017, Dt.27.07.2020 received from HMWSSB, Hyderabad vide Lr.No.HMWSSB / MD/Keshavapuram Project/ CA lands/2020 / Dt: 27.07.2020
12. DFO, Medchal, Rc.No.1091/2017/D, Dt.27.07.2020
13. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.27.07.2020
14. Managing Director, HMWS&SB, Hyderabad Lr.No.HMWSSB / MD/Keshavapuram/LA/Forest-Lands/2020-21/187, Dt.28.07.2020
15. PCCF, Telangana, Hyd, Rc.No. 6564/2017/FCA-1, Dt.29.07.2020
16. Government of Telangana G.O.Ms.No.89, Revenue (Assn.IV) Dept.Dt.30.07.2020 received from HMWSSB, Hyderabad.

Kind attention is invited to the references cited.

It is submitted that vide ref 6<sup>th</sup> cited, a detailed reply has been sent on EDS raised in ref 5<sup>th</sup> cited on the proposals submitted in ref 2<sup>nd</sup> cited.

Further, certain queries have been raised by RO, Chennai in ref 7<sup>th</sup> cited and reply has been



furnished to the extent of forest areas proposed for diversion (copy enclosed) vide reference 8<sup>th</sup> cited.

As the matter stood above, in the ref 9<sup>th</sup> to 11<sup>th</sup> cited and 16<sup>th</sup> cited (copies enclosed), it has been informed by the Managing Director, HMWSSB that due to certain reasons alternate non-forest CA lands to be handed over in Siddipet have been identified replacing the non-forest CA lands already submitted. Further, in case of Suryapet, in one CA land the RWS&S department has laid the pipeline and in two CA lands there are patta lands issued by the revenue department which need road access through the non-forest CA land proposed. Hence the extent of these areas for RWS& pipeline and sump and Right of Way (RoW) are estimated and deducted from the extent proposed. There is no change in the CA lands of Yadadri-Bhuvanagiri. The CA lands have been DGPS surveyed by UA and verified by this office. The final extents are as given below:

Name of the District	Initially identified				Now identified and reduced			
	Name of the Mandal	Name of the Village	Survey No	Area in ha (as per DGPS survey)	Name of the Mandal	Name of the Village	Survey No	Area in ha (as per DGPS survey)
Siddipet	Siddipet (R)	Bussapur	353	19.81				
		Irkode	780	56.47				
		Venkatapur	120	14.12				
				16.29				
					Husna-bad	Ramavaram	225	24.9237
				Umapur		265	41.6121	
				Mirzapur		145	2.1406	
							11.9462	
						100	15.8964	
					Regonda	533	23.2816	
			Total		106.69		Total	
Yadadri Bhuvanagiri	Narayanpur	Mahammadabad	266	12.8919	Narayanpur	Mahammada-bad	266	12.8919
		Total		12.8919		Total		12.8919
Suryapet	Jajireddygudem	Adivemula	505	120.4766	Jajireddygudem	Adivemula	505	120.4766
		Thimmapuram	418	44.3634		Thimmapuram	418	44.3023
		Kasarlpad	312	23.4168		Kasarlpad	312	23.0564
	Suryapet	Ramavaram	78	63.7908	Suryapet	Ramavaram	78	63.7908
	Chilkur	Chilkur	1151 /2	28.1417	Chilkur	Chilkur	1151 /2	28.0456
	Palakeedu	Ravipadu	31	12.1615	Palakeedu	Ravipadu	31	12.1053
			Total	292.3508		Total		291.777
Grand Total				411.9327		Grand Total		424.4695

The DFO Siddipet has inspected and reported that the revised areas for CA are found to be suitable for planting (@ 100 plants per ha). The marginal variations in the extent as estimated using DSS and that estimated by the State Forest Department using the high-end ArcGIS software may be ignored, since the extents estimated using different software may yield variable extents. **The revised non-forest CA lands as furnished by the User Agency in Siddipet District and revised extents in Suryapet after deducting the areas which is 424.4695 ha may be accepted.**

Further, the revised CA schemes for Non-forest Compensatory Afforestation lands along



with the unit costs, maps, detailed write-up and soil suitability certificates have been furnished by the concerned DFOs . The details of the revised financial outlay of CA scheme is as follows:

District	Area in ha	Number plants proposed for planting	Total number of plants	Financial Outlay Rs. in Lakhs
Siddipet	119.801	100	11980	891.01353
Yadadri-Bhuvanagiri	12.8919	200	2578	86.2477
Suryapet	279.777	200	55955	2018.19561
	12.000	1666	19992	
<b>Total</b>	<b>424.4695</b>		<b>90505</b>	<b>2995.45684</b>

Hence, it is requested to accept the above revision of CA NFL lands and the Scheme for Rs, 2995.45684 Lakhs and consider the same for the proposal.

It is submitted that the number of plants proposed to be planted have been increased from 71718 as submitted in the proposal to 90505 in CA NFL besides planting of 388850 plants in CA DFL of 350 ha in three divisions of Bhadradri-Kothagudem District. There is no change in the CA scheme of CA NFL in Yadadri-Bhuvanagiri District and the CA DFL in Bhadradri-Kothagudem District. The extent of plantable areas in CA NFL has been assessed using Satellite Images and the details are as follows:

Name of the District	Name of the Mandal	Name of the Village	Survey No	Area in ha (as per DGPS survey)	Plantable area in ha (Approx from Google Earth)
Siddipet	Husnabad	Regonda	533	23.2816	10.9898
		Ramavaram	225	24.9237	14.0449
		Ummapur	265	41.6121	34.3979
		Mirzapur	145	2.1406	2.1406
				11.9462	11.9462
			100	15.8964	5.3356
		<b>Total</b>		<b>119.8006</b>	<b>78.8550</b>
Yadadri Bhuvanagiri	Narayanpur	Mahammadabad	266	12.8919	12.8919
		<b>Total</b>		<b>12.8919</b>	<b>12.8919</b>
Suryapet	Jajireddygudem	Adivemula	505	120.4766	66.5587
		Thimmapuram	418	44.3023	19.0193
		Kasarlpad	312	23.0564	15.0761
	Suryapet	Ramavaram	78	63.7908	7.3340
	Chilkur	Chilkur	1151 /2	28.0456	16.4516
	Palakeedu	Ravipadu	31	12.1053	12.1053
		<b>Total</b>		<b>291.7770</b>	<b>136.5450</b>
<b>Grand Total</b>				<b>424.4695</b>	<b>228.2919</b>



As regards, the remarks on CA DFL, mentioning MDF in certain patches and also on variations in the extents, the density maps used in DSS of FSI and MoEF&CC perhaps pertain to older period and the same has been informed several times and FSI has been requested to replace the images and the administrative boundaries of Telangana and other data. As seen from the GoogleEarth Images, the area is predominantly blank which are mostly retrieved encroached forest lands cultivated under Podu (part of the lands even encroached prior to 2011 and encroached till 2015). The assessment made by TSFD every year reveals the same. The report of the DFO Kothagudem, countersigned by CCF, Kothagudem giving the factual position of the DFL lands, Working Plan and Management Plan prescriptions and photographs, Google Earth images and Kml files is enclosed. **Hence, the areas selected and submitted for CA DFL may be accepted.**

It is submitted herewith for favor of information and acceptance of the revised CA areas of CA NFL and acceptance of CA DFL already uploaded. The revised CA NFL details (maps, kml and revised CA scheme) shall be uploaded in the portal.

Further, vide ref 13<sup>th</sup> cited (copy enclosed), the Wildlife Rehabilitation Plan in Ponnal and Yadgarpally-I & II RFs with detailed scheme, for an amount of Rs.266.87 Lakhs, is submitted stating that the wildlife in the proposed area for diversion in Keshavapur forest block will migrate to these Ponnal and Yadgarpally-I & II forest blocks, as the Keshavapur RF will be submerged due to diversion and construction of reservoir and requested to include the WL Rehabilitation Plan in the proposal.

Vide ref 14<sup>th</sup> cited (copy enclosed), the Managing Director, HMWS&SB, Hyderabad has informed that vide GO.Ms.No.129, MA&UD (Engg.) Dept, Dt.29.02.2020, the capacity of the reservoir has been reduced to 5.04 TMC with its utilization twice from 10 TMC (GO.Ms.No.273, MA&UD (Engg.) Dept, Dt.24.10.2017) which will serve 10 TMC of water to Hyderabad city. Further informed that the embankment bund proposed for the storage reservoir is a closed Ring Bund covering the entire area as such it has no separate catchment area for inflows into the reservoir. Accordingly, it has been requested in ref 15<sup>th</sup> cited (copy enclosed) to treat the storage capacity of the reservoir as 5.04 TMC with its utilization twice which will serve 10 TMC of water to Hyderabad city.

Hence, it is requested to include the above in the proposals.

Encl: (As above)

Yours faithfully,

**Sd/- R.Sobha**

Principal Chief Conservator of Forests  
(Head of Forest Force) (FAC)

Copy submitted to the Spl. Chief Secretary to Government, Forests Department, Telangana State, Aranya Bhavan, Saifabad, Hyderabad – 500004 for favor information & necessary action

Copy to the Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board, Khairatabad, Hyderabad-500 004 for information and necessary action.

✓ Copy submitted to the Additional Director General of Forests (Central), Regional Office (South Eastern Zone), MoEF&CC, Gol, Cathedral Gardens, Nungambakkam, Chennai-600034 for favor of



information and necessary action.

Copy submitted to the Inspector General of Forests (FC), Ministry of Environment and Forests and Climate Change, Indira Paryawarana Bhawan, Jorbagh Road, New Delhi – 110003. for favor of information.

Copy to the Addl.Prl.Chief Conservator of Forests, Hyderabad; Chief Conservators of Forests, Kothagudem and Khammam; and Conservator of Forests, Medak for information and necessary action.

Copy to the District Forest Officers, Medchal, Suryapet, Siddipet, Yadadri-Bhuvanagiri, and Bhadradri-Kothagudem for information and necessary action

Copy to the Forest Divisional Officers, Kothagudem, Manuguru, Kinnerasani WLS for information and immediate necessary action.

Copy to the General Manager (Engg.), Project Division No.IX, HMWS&SB, Hyderabad and the Deputy Conservator of Forests, Plantation Cell division, HMWS&SB, Hyderabad for information and immediate necessary action.

// True Copy //

*R. Souna* 31/03/2020  
For Prl. Chief Conservator of Forests

*31/03/2020*



Letter No.HMWSSB/MD/Keshavapuram project/CA Lands/2020/180-1 Dt: 26-07-2020

The Principal Chief Conservator of Forests  
& Head of Forest Force, Telangana State  
Aranya Bhavan,  
Hyderabad.

Madam,

Sub: Construction of 5.04 TMC Keshavapuram Project - CA lands for Keshavapuram project scheme - G.O.Ms.No.165, Rev.(Assn.I) Dept., dt: 14-08-2018 of siddipet district - alternate land proposed of Ac.288.19 Gts in other mandals of siddipet district - Information submitted - Reg.

Ref: 1. G.O.Ms.No.165, Rev.(Assn.I) Dept., dt: 14-08-2018  
2. Collector & District Magistrate, Siddipet Lr.No.E1/2265/017, dt: 25-07-2020

\* \* \*

With reference to the above subject, the District Collector Siddipet has informed the government vide reference 2nd cited that the proposed land vide reference 1st cited has been changed because the lands are approximately 90 kms from Hyderabad and very nearer to the District Head Quarters. Further the said lands are situated very close to the Siddipet District Head quarts which on Rajiv Rahadari between Hyderabad to Manchiryal District and they can be utilize for other tourist destinations, other Govt. development schemes. Hence, the collector, Siddipet proposed alternate lands for compensatory afforestation of Keshavapuram project vide reference 2nd cited. The details are as follows

Previously, proposed compensatory afforestation lands vide G.O.Ms.No.165, dt: 14-08-2018.

Sl.No.	Village/Mandal/District	Sy.Nos.	Extent proposed for CA
1	Venkatapuram village, Siddipet (R) mandal	120	Ac.53-00 Gts
2	Basavapur village, Siddipet (R) mandal	353	Ac.96-00 Gts
3	Irkode village, Siddipet (R) mandal	780	Ac.139-19 Gts
<b>Total:</b>			<b>Ac.288-19 Gts. *</b>

\* after survey of lands only Ac.263.25 was found available.

Alternate compensatory afforestation land proposed vide reference 2nd cited.

Sl.No.	Village/Mandal/District	Sy.Nos.	Extent proposed for CA
1	Ramavaram village, Akkannapet Mandal	225	Ac.90-25 Gts
2	Mirzapur village, Husnabad mandal	100	Ac.78-00 Gts
3	Mirzapur village, Husnabad mandal	145	Ac.50-00 Gts
4	Ummapur village, Husnabad mandal	265	Ac.45-00 Gts
<b>Total:</b>			<b>Ac.263-25 Gts.</b>

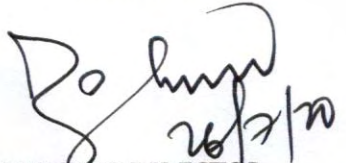


In view of the above change, the newly proposed lands shall be considered for compensatory afforestation scheme of Keshavapuram Reservoir project.

The DGPS survey of these lands will be immediately completed and records will be submitted accordingly.

Encls: 1) G.O.Ms.No.165, dt: 14-08-2018  
2) Collector, Siddipet Lr.dt:25-07-2020

Yours faithfully

  
26/7/20  
MANAGING DIRECTOR



**GOVERNMENT OF TELANGANA  
REVENUE DEPARTMENT**

From  
Sri P.Venkatrama Reddy, I.A.S.,  
District Collector,  
Siddipet.

To  
The Spl.Chief Secretary to Govt.,  
Revenue (Assn.I) Department,  
Govt. of Telangana,  
Secretariat, Hyderabad.

**Lr. No.E1 /2265 /2017, Dated: 25.07.2020.**

Sir,

Sub: Compensatory Afforestation – Siddipet District – Identification of alternative lands in place of the lands allotted in G.O.Ms.No. 165, Revenue (Assn.I) Department, dt: 14.08.2018 for Compensatory Afforestation - Proposals submitted – Reg.

- Ref: 1. Special Chief Secretary to Government, Revenue (Assn.I)  
Department memo No. 13272/Assn.I (3)/2017-1, Dt.19.06.2017.  
2. This Office even letter, dt: 12.09.2017.  
3. Government Orders G.O.Ms.No. 165, Revenue (Assn.I)  
Department, dt: 14.08.2018.  
4. Government Orders G.O.Ms.No. 154, Revenue (Assn.I)  
Department, dated: 09.08.2018.  
5. Revenue Divisional Officer, Husnabad Lr.No. D/ 819 /2020,  
dated: 24.07.2020.

-000-

Kind attention is invited to the reference 1<sup>st</sup> cited, wherein it was directed to identify Government waste land, which can be transferred to Forest Department for Compensatory Afforestation purpose and requested to furnish such details.

2. In this regard, it is submitted that the proposals have been submitted to the Government by identifying the Government land to an extent of Ac. 1006-29 gts in Venkatapur, Basavapur & Irkode Villages of Siddipet(R) Mandal, Gandipally & Regonda of Akkannapet Mandal and Gundareddipally of Koheda Mandal vide reference 2<sup>nd</sup> cited with a recommendation that the same can be transferred to Forest Department for Compensatory Afforestation purpose.

3. Orders were issued by Government in the reference 3<sup>rd</sup> cited for transfer of Government land to an extent of Ac. 679.25 gts in Sy.No.72 situated at



Gundareddipally Village of Koheda Mandal in favor of Forest Department for Compensatory Afforestation in lieu of the Forest land proposed to be diverted for conducting mining operations to an extent of 275-00 Hectors in rally reserve forest Kasipet Mandal of Mancherial District.

4. In addition the Government have also issued orders in the reference 4<sup>th</sup> cited for transfer of following Government lands having total extent of Ac. 288-19 gts to the Forest Department for Compensatory Afforestation in lieu of Reserve Forest lands to be diverted to HMWS&SB for construction of Keshavapur reservoir.

1. Venkatapur Village of Siddipet(R) Mandal, Sy.No. 120, extent Ac. 53-00 gts
2. Baswapur Village of Siddipet(R) Mandal, Sy.No. 353, extent Ac. 96-00gts
3. Irkode Village of Siddipet(R) Mandal, Sy.No. 780, extent Ac. 139-19 gts.

5. Further it is submitted that the above said lands are situated very close to the Siddipet District Head quarters. Siddipet District is situated on Rajiv Rahadari from Hyderabad to Manchiryal District. This District headquarters has lot of potentiality for development since it is just 90 Km away from Hyderabad. It has lot of potentiality for Tourism Development in view of Ranganayakasagar Reservoir and Sri Komaravelli Mallannasagar Reservoir. The above said lands can be utilized for other infrastructural development and other public purposes in future as the lands are situated within a radius of just 10 K.Ms from the District headquarters.

6. In this regard, the Revenue Divisional Officer, Husnabad was directed to identify the suitable Government lands to an extent of 106.70 Hectors for Compensatory Afforestation in lieu of lands at Venkatapur, Baswapur and Irkode Villages.

7. The Revenue Divisional Officer, Husnabad vide reference 4<sup>th</sup> cited has submitted that the following Govt. Lands to an extent of Ac.263.25 gts., (106.71 Hectors) which is free from encroachments are identified for allotment to the Forest Department for Compensatory Afforestation.




Sl. No	Name of the Mandal	Name of the Village	Sy. No	Classification	Total Extent in Acres	Proposed Extent in Ac.	Proposed Extent in Hectors	Remarks
1	Akkannapet	Ramavaram	225	Bancharai	174.08	90.25	36.69	
TOTAL Extent						90.25	36.69	
2	Husnabad	Mirzapur	100	Poramboke	105.08	78.00	31.57	Assignment given Ac.7.10gts and 7.20 Acres given for Mining (Lease), and it is excluded and the balance land is proposed
3			145	Poramboke	111.17	50.00	20.24	
4		Ummapur	265	Bancharai	189.31	45.00	18.21	Ac.30.10 gts Assignment given and 5.00 Acres given for Mining (Lease) and it is excluded.
TOTAL Extent						173.00	70.04	
Grand Total						263.25	106.71 Hec.	

8. It is submitted that the above identified Government lands are in contiguity with the existing Forest lands and quite suitable for Compensatory Afforestation.

9. In view of the above circumstances, it is requested for issue of necessary Government orders allotting the above identified lands to the Forest Department in lieu of diversion of Forest land for construction of Reservoir at Keshavapuram Village of Keesara Mandal Reserved forest lands and also request to cancel land allotment orders issued earlier vide G.O.Ms.No. 165, Revenue (Assn.I) Department, dt: 14.08.2018.

Yours faithfully,

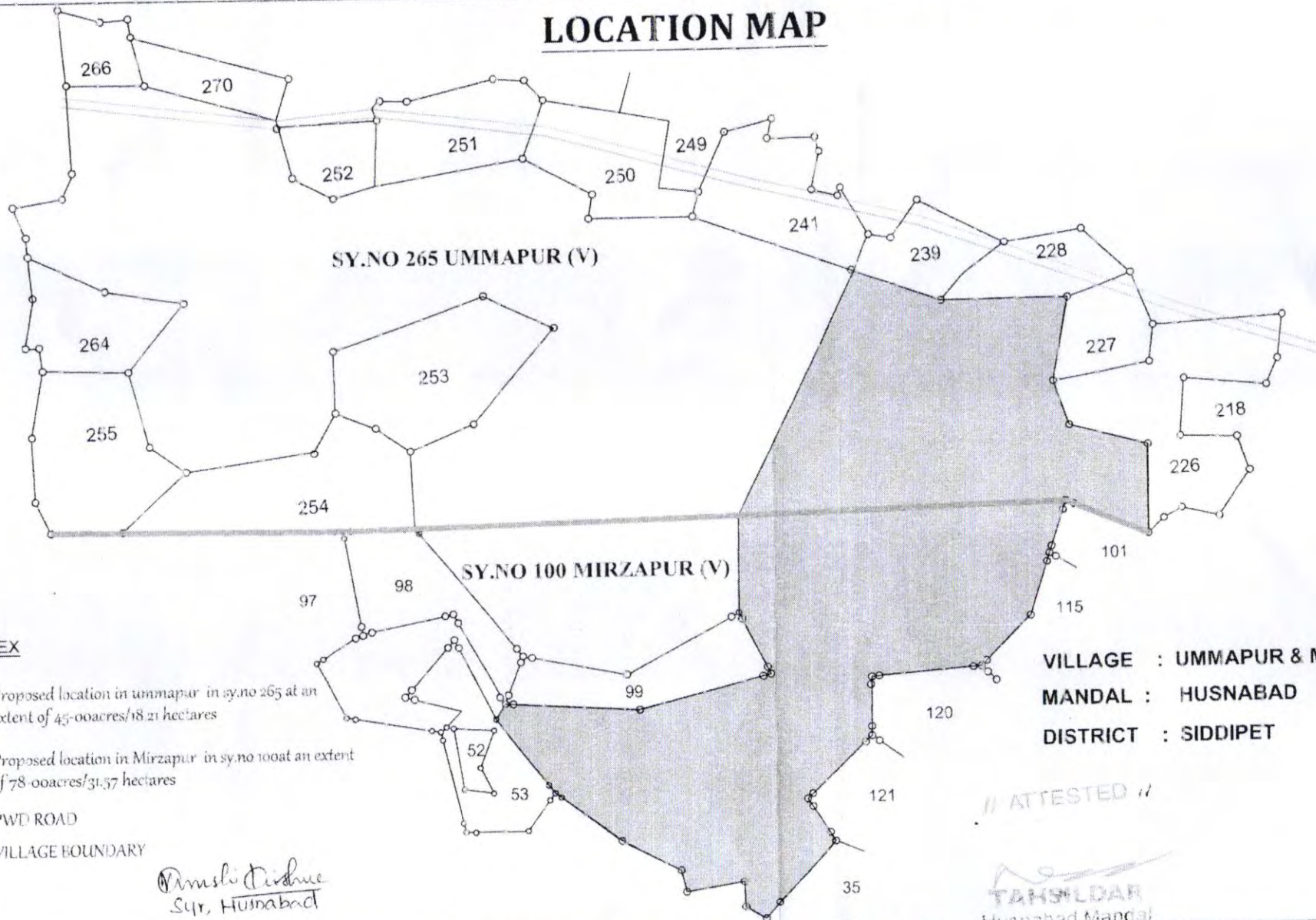
  
District Collector,  
Siddipet District.

Copy submitted to the Chief Commissioner of Land Administration, Hyderabad for favor of information.

Copy submitted to the District Forest Officer, Siddipet for information.



# LOCATION MAP



## INDEX

- Proposed location in umapur in sy.no 265 at an extent of 45.00acres/18.21 hectares
- Proposed location in Mirzapur in sy.no 100at an extent of 78.00acres/31.57 hectares
- PWD ROAD
- VILLAGE BOUNDARY

*Amali Dindne*  
Syr, Husnabad

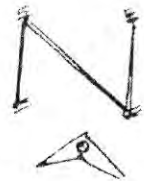
VILLAGE : UMAPUR & MIRZAPUR  
MANDAL : HUSNABAD  
DISTRICT : SIDDIPET

// ATTESTED //

TANSHILDAR  
Husnabad Mandal  
Dist: Siddipet



LOCATION: MAP



Scale: 8" - one mile  
village: Ramvaran  
mid: - Akkampe  
year: 2020  
B.R.

## INDEX

36-69 Hectar's Proposed for Aff. RESTATION AREA <sup>n-9</sup> 90-25 Acres

EXISTING FOREST  
BLOCK

prepared  
by  
L. Surveys

TAHSILDAR  
AKKANAPET



पङ्कल शेतवार — तथ्यार महकमे निजमस्त वन्देवस्त

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पिप्रा

फ.सस्ती.

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Ummayyus (V)  
Husnabad (M)



तय्यार महकमे निजामत बंदोबस्त  
मीजे राखुके

सन् १९८८ फरवरी

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Mirzapur (V)  
Husnabad (M)

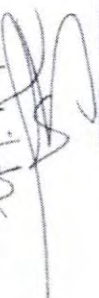
// ATTESTED //

**TAHSIL DAK**  
Husnabad Mandal  
Dist: Siddipet



# பெரிய மீ உதிரி கனவம்.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
337	224	14-35	0-35	14-10	8-56					219	11-0-14-30	11-40	11-35		11-30	11-25	11-20	11-15
338	225	174-8	174-8								8-07	8-00						
339	226	14-35	14-30	9-35	3-23					219	11-0-14-30	11-40	11-35		11-30	11-25	11-20	11-15
340	227	8-30	0-35	7-35	5-14						11	11	11	11	11	11	11	11
341	228	15-35	1-0	14-35	8-14					37	11-0-14-30	11	11	11	11	11	11	11
342	229	6-35	1-0	5-35	3-0						11	11	11	11	11	11	11	11

  
 T. S. S. S. S.  
 S. S. S. S. S.



**GOVERNMENT OF TELANGANA  
ABSTRACT**

Government Lands - Siddipet District - Transfer of Government land to an extent of total **288-19 acres** i.e., Ac.53-00 Gts in Sy.No.120 in Venkatapur village, Ac.96-00Gts in Sy.No.353 Basavapur Village, Acres 139-19 Guntas in Sy.No.780 in Irkode village of Siddipet (R) Mandal, Siddipet District to Forest department under Compensatory Afforestation in lieu of Reserve Forest lands to be diverted to HMWS&SB for construction of Keshavapur Reservoir Project - Orders - Issued.

**REVENUE (ASSN.I) DEPARTMENT**

**G.O.Ms.No.165**

**Dated:14.08.2018.  
Read the following:-**

- Key*  
*16/8/18*
1. From the M.D, HMWS&SB, Hyderabad. Lr.No.F1/366/2016/3191 /3078, dated.09.05.2017.
  - 2.From the District Collector, Siddipet, letter No.E1/2265/2017, dated.12.09.2017.
  3. From the M.D, HMWS&SB, Hyderabad. Lr.No.F1/366/2016/3191 /3078, dated.26.04.2018 and 14.06.2018.

\*\*\*\*\*

**ORDER:**

In the reference 1<sup>st</sup> read above, the MD, HMWS&SB, Hyderabad has requested the Government in Revenue Department to issue necessary orders to the District Collectors of Telangana State to identify Government lands to an extent of Ac.1000-00 Approximately for transfer to the Forest Department under Compensatory afforestation in lieu of Reserve Forest lands to be diverted to HMWS&SB for construction of Keshavapur Reservoir Project.

2. In the reference 2<sup>nd</sup> read above, the District Collector, Siddipet has reported that waste Government land to an extent of Ac.1006-29 gts has been identified in the villages of Venkatapur, Basavapur & Irkode of Siddipet Rural Mandal, Gandipally & Regonda of Akkannapet Mandal, Gundareddypally of Koheda Mandal of Siddipet District which can be transferred to Forest Department for Compensatory Afforestation purpose.

3. In the reference 3<sup>rd</sup> cited, the MD, HMWS&SB, Hyderabad has reported that the District Forest officer, Siddipet inspected, ascertained soil suitability of lands for raising Compensatory Afforestation and submitted the report that out of 1006-29 acres of non-forest land identified for Compensatory Afforestation, only **288-19 acres of land** suitable for Compensatory Afforestation, (i) In Venkatapur village of Siddipet (R) Mandal, with Sy.No.120, to an extent of Acres 53-00 Guntas.(ii) In Basavapur Village of Siddipet (R) Mandal, with Sy.No.353, to an extent of Acres 96-00 Guntas.(iii) In Irkode village of Siddipet (R) Mandal, with Sy.No.780, to an extent of Acres 139-19 Guntas. He has therefore, requested the Government to allot the Government land to an extent of Ac 288-19 Gts to the HMWS&SB for Keshavapur Reservoir and also issue the necessary orders to handover the Government land so as to transfer to the Forest Department for Compensatory Afforestation in lieu of Reserve Forest lands to be diverted to HMWS&SB for construction of Keshavapur Reservoir Project.

3. Government; after careful examination of the matter, in the light of the report of the MD, HMWS&SB, Hyderabad hereby order for transfer of Government land to an extent of Ac.288-19 Gts i.e., Ac.53-00 Gts in Sy.No.120 in Venkatapur village, Ac.96-00Gts in Sy.No.353 Basavapur Village, Acres 139-19 Guntas in Sy.No.780 in Irkode village of Siddipet (R) Mandal, Siddipet District to Forest department, under Compensatory Afforestation in lieu of Reserve Forest lands to be diverted to HMWS&SB for construction of Keshavapur Reservoir Project.

(P.T.O.)



4. The District Collector, Siddipet shall take necessary action in the matter accordingly.

**(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)**

**RAJESHWAR TIWARI  
SPECIAL CHIEF SECRETARY TO GOVERNMENT**

To

The District Collector, Siddipet.

The Spl.Chief Secretary &

Chief Commissioner of Land Administration,  
Telangana, Hyderabad.

The Managing Director, HMWS&SB, Hyderabad.

Copy to:

The Principal Secretary, (EFS&T) Department, T.S. Secretariat, Hyderabad.

The Principal Chief Conservator of Forest (HoFF) T.S., Hyderabad.

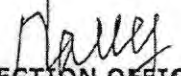
The P.S to Principal Secretary to C.M.

The P.S. to Dy.Chief Minister (Revenue).

The P.S. to Spl.Chief Secretary (Revenue).

SF/SC.

**//FORWARDED :: BY ORDER//**

  
**SECTION OFFICER**



**GOVERNMENT OF TELANGANA  
ABSTRACT**

Government Lands - Siddipet District - Transfer of Govt. Lands to an extent of Ac.263.25 Gts i.e., in Ramavaram Village (Ac.90.25 gts.) of Akkannapet Mandal, Mirzapur Village (Ac.128.00 gts.) and Ummapur Village (Ac.45.00 gts.) of Husnabad Mandal, Siddipet District, under Compensatory Afforestation in lieu of Reserve Forest lands diverted to HMWS&SB for construction of Keshavapur Reservoir Project, in cancellation of Orders issued in G.O.Ms.No. 165, Revenue (Assn.I) Dept., Dt. 14.08.2018 - Orders - Issued.

**REVENUE (ASSN.IV) DEPARTMENT**

**G.O.Ms.No. 88**

**Dated:27.07.2020.  
Read the following:-**

1. G.O.Ms.No.165, Revenue (Assn.I) Dept., dt. 14.08.2018.
2. From the District Collector, Siddipet, letter No.E1/2265/2017, dt.25.07.2020.

@\$\$\$@

**ORDER:**

In the circumstances reported by the Collector, Siddipet District in the reference 2<sup>nd</sup> cited and after careful examination of the matter, Government hereby cancel the Orders issued in the G.O. 1<sup>st</sup> read above. On cancellation, Government hereby issue orders for transfer of Government Lands to an extent of Ac.263.25 gts. in Siddipet District i.e., in Ramavaram Village (Ac.90.25 gts.) of Akkannapet Mandal, Mirzapur Village (Ac.128.00 gts.) and Ummapur Village (Ac.45.00 gts.) of Husnabad Mandal, under Compensatory Afforestation in lieu of Reserve Forest lands diverted to HMWS&SB for construction of Keshavapur Reservoir Project.

2. The District Collector, Siddipet shall take necessary action in the matter accordingly.

**(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)**

**SOMESH KUMAR  
CHIEF SECRETARY TO GOVERNMENT**

To  
The District Collector, Siddipet.

**Copy to:**

The Chief Commissioner of Land Administration,  
Telangana State, Hyderabad.

The Managing Director, HMWS&SB, Hyderabad.

The Principal Secretary, (EFS&T) Dept., T.S. Secretariat, Hyderabad.

The Principal Chief Conservator of Forest (HoFF), T.S., Hyderabad.

The P.S. to Principal Secretary to C.M.

The P.S. to Spl. Chief Secretary (Revenue).

Sc.

**//FORWARDED :: BY ORDER//**

27/7  
**SECTION OFFICER**



GOVERNMENT OF TELANGANA  
OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE, SIDDIPET

Dated: 27-07-2020

NON - ENCUMBRANCE CERTIFICATE

This is to certify that an extent of 96.64 Ha of Government land has been identified and proposed as Compensatory Afforestation in lieu of the Forest lands of Siddipet district going to be diverted for construction of Keshavapuram Reservoir. All these lands are free from litigations and encroachments.

These are all Government lands and free from encumbrances. These lands have also been accepted by forest department as compensatory Afforestation lands. The details of the lands survey numbers wise and village/Mandal wise is enclosed

Sl.No	Division	Mandal	Village	Sy.No	Extent(Ha)
1	Husnabad	Akkannapet	Ramavaram	225	25.02
2		Husnabad	Mirzapur	100	15.90
3			Mirzapur	145	14.09
4			Ummapur	265	41.63
	Grand Total				96.64

  
Collector & District Magistrate  
Siddipet





GOVERNMENT OF TELANGANA  
OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE, SIDDIPET

UNDERTAKING

It is to certify that 96.64 Ha of lands in Sy. No's in the Villages, Mandals of Siddipet District are Government Lands free from all encumbrances and encroachment.

Sl.No	Division	Mandal	Village	Sy.No	Extent in (Ha)
1	Husnabad	Akkannapet	Ramavaram	225	25.02
2		Husnabad	Mirzapur	100	15.90
3			Mirzapur	145	14.09
4			Ummapur	265	41.63
	Grand Total				96.64

The said lands are not assigned to any individuals / Organizations. HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD (HMWSSB), Hyderabad has requested to allot Govt land in lieu of forest lands taken for construction of Keshavapuram Reservoir project towards Compensatory Afforestation, which are to be handed over to the Forest Department.

In view of above, I hereby undertake that the said lands to an extent 96.64 Ha will be transferred and mutated in the name of the Forest Department and handed over to the Forest Department on receipt of stage-I approval under Forest Conservation Act, 1980 for the said project as I am competent to do so.

  
Collector & District Magistrate  
Siddipet.







Letter No.HMWSSB/MD/Keshavapuram project/CA Lands/2020/

Dt: 27-07-2020

The Principal Chief Conservator of Forests  
& Head of Forest Force, Telangana State  
Aranya Bhavan,  
Hyderabad.

Madam,

Sub: Construction of 5.04 TMC Keshavapuram Project - Providing alternate land in Regonda village as Ac.25.00 found short in the land proposed in Husnabad and Akkannapet mandal of Siddipet District vide G.O.Ms.No.88, dt: 27.07.2020 - As informed by District Collector, Siddipet - Ac.35.10 Gts additional land proposed for CA of Keshavapuram project as a buffer lands for compensatory afforestation - Reg.

Ref: 1. Collector & District Magistrate, Siddipet Lr.No.E1/2265/2017, dt:27-07-2020  
2. G.O.Ms.No.88, Revenue (Assn.IV) Department , dt: 27-07-2020  
\* \* \*

With reference to the above subject, the District Collector Siddipet has informed vide reference 1st cited that Ac.25.00 Gts found short during DGPS survey in the lands given vide G.O.Ms.No.88, dt: 27-07-2020. In this regard, I have also requested the collector to provide additional Ac.30.00 Gts in the same survey number to act as buffer for compensatory afforestation land for Keshavapuram project land in case lands are found short in any of the compensatory afforestation lands proposed for keshavapuram project.

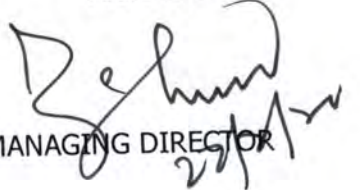
Accordingly, the collector has proposed Ac.60.10 Gts in Sy.No.533 (as single parcel) in Regonda village of Akkannapet mandal and issued NOC for the compensatory afforestation lands of Keshavapuram Project and submitted the same proposal to Govt. (Ac.25.00 Gts found short in G.O.Ms.No.88, vide reference 2nd cited and Ac.35.10 Gts additionally).

In this regard, the Ac.60.10 Gts now proposed shall be considered against shortage of Ac.25.00 Gts found in the lands given under vide G.O.Ms.No.88 reference 2nd cited. Remaining Ac.35.10 Gts of this survey number shall be treated as buffer for any shortage in the compensatory afforestation lands. The lands of Ac.60.10 Gts will be surveyed by DGPS and records will be submitted immediately. The NOC for Ac.60.10 Gts for compensatory afforestation is issued by the Collector is also enclosed.

Submitted for kind information and necessary action.

Encl: 1) G.O.Ms.No.88, dt: 27-7-2020  
2) Siddipet Collector Lr.dt: 27.07.2020  
3) NOC issued by Collector, Siddipet

Yours faithfully

  
MANAGING DIRECTOR



GOVERNMENT OF TELANGANA  
REVENUE DEPARTMENT

Lr. No. E1/2265/2017

Office of the District Collector,  
Siddipet, Date: 27.07.2020.

To,  
The Managing Director,  
HMWS & SB, Hyderabad.

Sir,

Sub: - Compensatory Afforestation - Siddipet District - Allotment of land to an extent of Ac.263.25gts in Husnabad & Akkannapet Mandals for compensatory Afforestation as against Ac.288.19gts in favour of Forest Department - Ac.25.00gts of land found shortage - Identification of additional land to an extent of Ac.60.10gts - Intimation - Reg.

Ref: - 1. This Office Letter No. E1/2265/2017, dated 25.07.2020.  
2. G.O.Ms.No.88, Revenue (Assn-I) Department, dated 27.07.2020.  
3. Revenue Divisional Officer, Husnabad Lr.No.D/819/2020, dated 27.07.2020.

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Kind attention is invited to the references cited. Based on the revised proposals of the undersigned, Government have issued orders in the reference 2<sup>nd</sup> cited, transferring of Government lands to an extent of Ac. 263.25 gts in Siddipet District i.e., Ramavaram Village (Ac.90.25gts) of Akkannapet Mandal, Mirzapur Village (Ac.128.00gts) and Ummapur Village (Ac.45.00gts) of Husnabad Mandal, under Compensatory Afforestation in lieu of Reserve Forest lands diverted to HMWS&SB for construction of Keshavapur Reservoir project.

As you are aware Sir, that an extent of Ac.25.00gts has been found shortage in allotment of land to forest department in G.O. 2<sup>nd</sup> cited. Further, as discussed with you another Ac.30.00gts of land found shortage in other Districts for allotment of land to forest department for the same purpose.

Keeping in view of above, it is submitted that another land parcel of Ac.60.10gts of compact block of Government land has been identified in Sy.No.533 situated at Regonda Village of Akkannapet Mandal to submit proposal to Government for allotment to Forest Department for diversion of forest land for construction of Reservoir at Keshavapur. Accordingly, the proposals are being submitted to Government for its approval.

Submitted for kind information.

Yours faithfully,

  
District Collector,  
Siddipet.



**GOVERNMENT OF TELANGANA  
ABSTRACT**

Government Lands - Siddipet District - Transfer of Govt. Lands to an extent of Ac.263.25 Gts i.e., in Ramavaram Village (Ac.90.25 gts.) of Akkannapet Mandal, Mirzapur Village (Ac.128.00 gts.) and Ummapur Village (Ac.45.00 gts.) of Husnabad Mandal, Siddipet District, under Compensatory Afforestation in lieu of Reserve Forest lands diverted to HMWS&SB for construction of Keshavapur Reservoir Project, in cancellation of Orders issued in G.O.Ms.No. 165, Revenue (Assn.I) Dept., Dt. 14.08.2018 - Orders - Issued.

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**REVENUE (ASSN.IV) DEPARTMENT**

**G.O.Ms.No. 88**

**Dated:27.07.2020.  
Read the following:-**

1. G.O.Ms.No.165, Revenue (Assn.I) Dept., dt. 14.08.2018.
2. From the District Collector, Siddipet, letter No.E1/2265/2017, dt.25.07.2020.

@\$\$\$@

**ORDER:**

In the circumstances reported by the Collector, Siddipet District in the reference 2<sup>nd</sup> cited and after careful examination of the matter, Government hereby cancel the Orders issued in the G.O. 1<sup>st</sup> read above. On cancellation, Government hereby issue orders for transfer of Government Lands to an extent of Ac.263.25 gts. in Siddipet District i.e., in Ramavaram Village (Ac.90.25 gts.) of Akkannapet Mandal, Mirzapur Village (Ac.128.00 gts.) and Ummapur Village (Ac.45.00 gts.) of Husnabad Mandal, under Compensatory Afforestation in lieu of Reserve Forest lands diverted to HMWS&SB for construction of Keshavapur Reservoir Project.

2. The District Collector, Siddipet shall take necessary action in the matter accordingly.

**(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)**

**SOMESH KUMAR  
CHIEF SECRETARY TO GOVERNMENT**

To

The District Collector, Siddipet.

Copy to:

The Chief Commissioner of Land Administration,  
Telangana State, Hyderabad.

The Managing Director, HMWS&SB, Hyderabad.

The Principal Secretary, (EFS&T) Dept., T.S. Secretariat, Hyderabad.

The Principal Chief Conservator of Forest (HoFF), T.S., Hyderabad.

The P.S. to Principal Secretary to C.M.

The P.S. to Spl. Chief Secretary (Revenue).

Sc.

**//FORWARDED :: BY ORDER//**

**SECTION OFFICER** 28/7



**Government of Telangana  
Forest Department**

Rc.No. 443 /2020/D1,  
Dated: 27.07.2020.

Office of the District Forest Officer,  
Bhadradi Kothagudem District.

From  
Sri. Laxman Ranjeet Nayak, IFS.,  
District Forest Officer.  
Bhadradi Kothagudem District.

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

Sir,

Sub: - TSFD – F (C) Act, 1980 – CA Scheme in Degraded Forest Land (DFL) of Kothagudem, Manuguru and WLM Kinnerasani Divisions in lieu of diversion of 409.53 Ha Forest Land for Construction of Keshavapur Reservoir in Medchal-Malkajgiri – CA Scheme submitted – Further report on retrieval and Working Plan provision - Submitted - Regarding.

Ref: - 1. As per the telephonic instructions of the Prl. CCF, TS, Hyderabad on 25.07.2020.  
2. FDO, Kothagudem Rc. No. 613/2020/A5, Dt. 26.07.2020.  
3. FDO, Manuguru Rc. No. 641/2020/M4, Dt. 26.07.2020.  
4. FDO, WLM Kinnerasani Rc. No. 337/2020/K3, Dt. 26.07.2020.



With reference to the subject and references cited above, it is submitted that, as per the instructions of the Principal Chief Conservator of Forests (HoFF), T.S. Hyderabad vide reference 1<sup>st</sup> cited, the Forest Divisional Officers, Kothagudem, Manuguru & WLM Kinnerasani vide references 2<sup>nd</sup> to 4<sup>th</sup> cited have submitted the details of DFL lands and reported that the below mentioned forest areas have been encroached for podu cultivation between the years 2009 to 2012. These areas were being cultivated by local tribals/non tribals. These podu lands have been retrieved during the year 2019-20 and under the control of the Forest Department. The same lands have been proposed for the project to rejuvenate the areas under CA (DFL).

Sl. No.	Division	Range	Beat	Comp t. No.	Name of the RF	Area in Ha	Year of podu cultivation from	Year of retrieval by the Forest Department.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Kothagudem	Ramavaram	Penagadapa	30	Penagadapa	20	2012	2020
2	Kothagudem	Ramavaram	Penagadapa	29 & 30	Penagadapa	20	2012	2020
3	Kothagudem	Ramavaram	Tippanapalli	13	Ramavaram	40	2012	2020
4	Kothagudem	Ramavaram	Tippanapalli	13	Ramavaram	20	2012	2020



5	Kothagudem	Ramavaram	Musalivarre (E)	9	Ramavaram	100	2012	2020
				<b>KGM Div Total ::</b>		<b>200.00</b>		
1	Manuguru	Aswapuram	Satyanaryana puram	209	Nellipaka-B	20	2010	2019
				<b>MNGR Div Total ::</b>		<b>20.00</b>		
1	WLM Kinnerasani	Allapally	Venkatapuram (S)	23	Allapally	50	2012	2019
2		Chatakonda	Sampathnagar	16	Chatakonda	50	2009	2019
3		Chatakonda	Yerrachelka	5	Punukuduchelka	30	2009	2019
				<b>WLM KSN Div Total ::</b>		<b>130.00</b>		
				<b>District Total ::</b>		<b>350.00</b>		

Further, it is submitted that,

**I. Kothagudem Division.**

With regards to Compensatory Afforestation area in degraded forest lands (DFL) of Kothagudem Division, it is submitted that, the provision for raising of plantations in encroached forest lands was provided in the Draft Working Plan (DWPR) of Kothagudem Division which was submitted to the Principal Chief Conservator of Forests (HoFF), T.S. Hyderabad vide Chief Conservator of Forests / Conservator of Forests, Kothagudem Circle Rc. No. 29/2016/M3, Dt. 23.09.2019 for the period from 2018-19 to 2028-29. Under *“Rejuvenation of Degraded Forest Working Circle”* around 22348.72 Ha of forest areas was proposed for treatment under AR and ANR methods and it was mentioned at Page No. 226 of Chapter-2. The above proposed CA (DFL) areas are a part of this working circle. It was also mentioned in the DWPR to take up plantations under Semi Mechanical Method as part of treatment of encroached areas at Page No. 232. The above proposed areas also find place in the list of Encroached areas in Kothagudem Division listed under Annexure-XVI.

**II. Manuguru Division.**

With regards to Compensatory Afforestation area in degraded forest lands (DFL) of Manuguru Division, it is submitted that, in the approved working plan of Manuguru Division (Erstwhile Paloncha Division) for the period from 2012-13 to 2021-22 under Chapter-X (10.1) vide page No. 178, Degraded Forest Improvement working circle has been proposed. Under this working circle, all degraded forest areas which are generally accessible and having



a low density crop i.e., less than 0.4 and forest areas which are adjacent to villages (which are degraded due to over exploitation) are included in this working circle.

In this regard, it is submitted that, the above said forest area was encroached by the adjacent villagers and this area was degraded due to podu cultivation, the above said encroachment area was retrieved from the encroachers during 2019 and as per the above working plan prescription proposed for rejuvenation duly planting by AR SMM method.

### **III. WLM Kinnerasani Division.**

With regards to CA in degraded forest lands (DFL) of WLM Kinnerasani Division, it is submitted that, in the approved Management plan of Kinnerasani Wildlife Sanctuary from 2013-14 to 2022-23 at Para No. 3.6.3.3 (e), Page. No. 26 & 27, it was mentioned that, during the plan period from 2003-04 to 2012-13, there was encroachment over an area of 104.00 Ha in forest area from 2000-01 to 2005-06 and subsequently there was encroachments over an area of 1005.74 Ha (as on 31.05.2012) after the RoFR Act came in to light which is alarming as far as encroachments in the forest area of the sanctuary concerned. This area of encroachments going on increasing year by year.

Further, it is submitted that, at Para No. 6.2.2, **Restoration Zone** at Page. No.48 of Management plan of Kinnerasani Wildlife Sanctuary, This zone comprises of areas, which have been subjected to traditional use by the local people for their legitimate needs, which has resulted in degradation of habitat. These areas are located in the vicinity of the villages and require intensive management practices to maintain the values of the P.A. The treatment practices include SMC works to maintain the catchment capability of the P.A., Habitat improvement works like enrichment planting, creation and maintenance of fodder plots, protection against felling of trees, poaching and fire control measures, in addition to Eco Development. In addition, there is a need to retrieve the encroached forest areas by all possible means, and enrichment of Forest growth activities should be carried out throughout the planning period which facilitates rehabilitation of the evicted areas coupled with supplementing the wild herbivore population. Another important task that has to be launched is retrieving the old podu areas and eviction of illegal guttikoya settlements. Enrichment activities such as raising of fodder plots developing of grass plots and natural forests should be taken up in the retrieved areas for rehabilitation of forest growth.

In this regard, it is submitted that, the above said encroachment area was retrieved from the encroachers during February 2019 and proposed for rejuvenation duly planting by AR SMM method.

In this regard, it is requested to consider the above proposed areas for treatment under Compensatory Afforestation in degraded forest lands (DFL) Scheme for raising of plantations by AR under SMM method.

Further, it is submitted that, as per the instructions, the photographs of above Compensatory Afforestation area in degraded forest lands (DFL), time line maps and Photostat (Xerox) copies of working plan pages in (4) sets are submitted herewith.

This is submitted for favour of kind information.

Encl:- A/a

Yours faithfully

  
District Forest Officer,  
Bhadradi Kothagudem District.

Copy submitted to the Chief Conservator of Forests / Conservator of Forests, Kothagudem Circle along with enclosures in (1) set for favour of kind information and necessary action.

Copy to the Forest Divisional Officers, Kothagudem, Manuguru and WLM Kinnerasani for information.

  
District Forest Officer,  
Bhadradi Kothagudem District



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From  
Sri A. Appaiah, ACF.,  
Forest Divisional Officer,  
Kothagudem.

To  
The District Forest Officer,  
Bhadradi Kothagudem District,  
Kothagudem.

**Rc. No. 613/2020/A5, dt:26.07.2020**

Sir,

Sub:- TSFD – Forest (Conservation) Act 1980- Compensatory Afforestation Scheme -in Degraded forest land 200Ha in Ramavaram Range of Kothagudem Division- in lieu of diversion of 409.530Ha of Forest land for Construction 10 TMC Reservoir at Keshavapur in Medchal-Malkajgiri In favour of HMWS & SB in Medchal-Malkajgiri. – CA Scheme – Report Submitted– Reg.

Ref:- 1. DFO,Kothagudem Rc.No. 443/2020/D1, dt:22.06.2020.  
2. This Office Rc.No. 613/2020/A5, dt: 28.06.2020.  
3. DFO, Kothagudem oral instructions dt: 25.07.2020.

<><><>

It is submitted that, as per the instructions of District Forest Officer, Bhadradi Kothagudem District, the proposals have been submitted for Compensatory Afforestation Scheme for Raising of Plantation in 200.0 Ha at Ramavaram Range of Kothagudem Division vide reference 2<sup>nd</sup> cited. The details are as under

Sl. No	Division	Range	Beat	Comp t. No.	Name of the RF	Area in Ha	Year of podu cultivation from	Year of retrieval by the Forest Department
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Kothagudem	Ramavaram	Penagadapa	30	Penagadapa	20	2012	2020
2	Kothagudem	Ramavaram	Penagadapa	29 & 30	Penagadapa	20	2012	2020
3	Kothagudem	Ramavaram	Tippanapalli	13	Ramavaram	40	2012	2020
4	Kothagudem	Ramavaram	Tippanapalli	13	Ramavaram	20	2012	2020
5	Kothagudem	Ramavaram	Musalivarre (E)	9	Ramavaram	100	2012	2020
<b>Total ::</b>						<b>200</b>		

Further, it is submitted that the above mentioned forest areas have been encroached from the year 2012. These encroached lands have been retrieved during the year 2019-20 and under the control of the Forest Department. The same lands have been proposed for the above mentioned project to rejuvenate the areas under CA (DFL).

Further, it is submitted that, the provision for raising of plantations in encroached forest lands was provided in the Draft Working Plan (DWPR) of Kothagudem Division which was submitted to the Principal Chief Conservator of Forests (HoFF), T.S. Hyderabad vide Chief Conservator of Forests / Conservator of Forests, Kothagudem Circle Rc. No. 29/2016/M3, Dt. 23.09.2019 for the period from 2018-19 to 2028-29. Under "*Rejuvenation of Degraded Forest Working Circle*" around 22348.72 Ha of forest areas was proposed for treatment under AR and ANR methods and it was mentioned at Page No. 226 of Chapter-2. The above proposed CA (DFL) areas is a part of this working circle. It was also mentioned in the DWPR to take up plantations under Semi Mechanical Method as part of treatment of encroached areas at Page No. 232. The above proposed areas also find place in the list of Encroached areas in Kothagudem Division listed under Annexure-XVI.

Therefore, it is requested to consider the above proposed areas to treat under CA (DFL) Scheme by way of raising Semi Mechanical Method Plantations.

This is submitted for favour of kind information and necessary action.

Encl: As above.

Yours faithfully,  
Sd/-A. Appaiah  
Forest Divisional Officer,  
Kothagudem

//t.c.b.o.//

Superintendent



**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From  
Sri T. Venu Babu S.F.S.,  
Forest Divisional Officer,  
Manuguru.

To  
The District Forest Officer,  
Bhadradi Kothagudem District,  
Kothagudem.

**Rc. No.641/2020/M4, dt: 26.07.2020**

Sir,

Sub:- TSFD – Forest (Conservation) Act 1980- Compensatory Afforestation Scheme -in Degraded forest land 20.00 Ha in Aswapuram Range of Manuguru Division- in lieu of diversion of 409.530Ha of Forest land for Construction 10 TMC Reservoir at Keshavapur in Medchal-Malkajgiri In favour of HMWS & SB in Medchal-Malkajgiri. – CA Scheme – Report Submitted– Reg.

Ref:- 1. DFO,Kothagudem Rc.No. 443/2020/D1, dt:22.06.2020.  
2. This Office Rc.No.641/2020/M4, dt: 28.06.2020.

<><><>

It is submitted that, as per the instructions of District Forest Officer, Bhadradi Kothagudem District, the proposals have been submitted for Compensatory Afforestation Scheme for Raising of Plantation in 20.00 Ha at Aswapuram Range of Manuguru Division vide reference 2<sup>nd</sup> cited. The details are as follows.

Sl. No	Division	Range	Section	Beat	Compt. No.	RF	Area in Ha
1	Manuguru	Aswapuram	Eravendi	Satyanarayanapuram	209	Nellipaka-B	20.00
<b>Total::</b>							<b>20.00</b>

Further, it is submitted that, the approved working plan of Manuguru Division (Erstwhile Paloncha Division) for the period from 2012-13 to 2021-22 under Chapter-X (10.1) vide page No. 178, Degraded Forest Improvement working circle has been proposed. Under this working circle, all degraded forest areas which are generally accessible and having a low density crop i.e., less than 0.4 and forest areas which are adjacent to villages (which are degraded due to over exploitation) are included in this working circle.

In this regard, it is submitted that, the above said forest area was encroached by the adjacent villagers from the year 2010 and this area was degraded due to podu cultivation, the above said encroachment area was retrieved from the encroachers during 2019 and as per the above working plan prescription proposed for rejuvenation duly planting by AR SMM method.

Further, it is submitted that, as per the instructions, the photographs of above CA degraded forest lands (DFL) areas and time line maps in (6) sets are submitted herewith.

This is submitted for favour of kind information and necessary action.

Encl: As above.

Yours faithfully,  
Sd/-T. Venu Babu,  
Forest Divisional Officer,  
Manuguru

//t.c.b.o.//

Superintendent.

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From:  
Sri K.Damodar Reddy,SFS.,  
Forest Divisional Officer,  
Kinnerasani WLM Division,  
Palvancha.

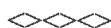
To,  
The District Forest Officer,  
Bhadrachalam District,  
Kothagudem.

**Rc.No.337/2020/K3, Dated:26.07.2020.**

Sir,

Sub: - TSFD – F (C) Act, 1980 – CA Scheme in Degraded Forest Land (DFL) of Kinnerasani WLM Division, Paloncha in lieu of diversion of 409.53 Ha Forest Land for Construction of Keshavapur Reservoir in Medchal-Malkajgiri – CA Scheme submitted–Further report on retrieval and Working Plan provision - Submitted - Regarding.

Ref: - 1. FDO, Kinnerasani WLM Division, Paloncha, Rc.No.337/2020/K3, dated:29.06.2020  
2. As per the instructions of the District Forest Officer, BDD KGM District on 25.07.2020.



With reference to the subject cited above, it is submitted that the CA scheme proposals in degraded forest land (DFL) for 130 Ha. of Kinnerasani WLM Division, Paloncha in lieu of diversion of forest land for construction of Keshavapur Reservoir in Medchal-Malkajgiri district have been submitted from this office vide ref. 1<sup>st</sup> cited. As per the instructions vide reference 2<sup>nd</sup> cited, the following details of podu cultivation and retrieval of CA in degraded forest lands (DFL) in lieu of said project are submitted as follows.

Sl. No	Division	Range	Beat	Compt .No.	Name of the RF	Area in Ha	Year of podu cultivation from	Year of retrieval by the Forest Department.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	WLM Kinnerasani	Allapally	Venkatapuram (S)	23	Allapally	50	2012	2019
2		Chatakonda	Sampathnagar	16	Chatakonda	50	2009	2019
3		Chatakonda	Yerrachelka	5	Punukuduchelka	30	2009	2019
			<b>WLM KSN Div Total ::</b>			<b>130.00</b>		

In this regard, it is submitted that, the CA in degraded forest lands (DFL) of WLM Kinnerasani Division, in the approved Management plan of Kinnerasani Wildlife Sanctuary from 2013-14 to 2022-23 at Para No. 3.6.3.3 (e), Page. No. 26 & 27, it was mentioned that, during the plan period from 2003-04 to 2012-13, there was encroachment over an area of 104.00 Ha in forest area



from 2000-01 to 2005-06 and subsequently there was encroachments over an area of 1005.74 Ha (as on 31.05.2012) after the RoFR Act came in to light which is alarming as far as encroachments in the forest area of the sanctuary concerned. This area of encroachments going on increasing year by year.

At Para No. 6.2.2, **Restoration Zone** at Page. No.48 of Management plan of Kinnerasani Wildlife Sanctuary, This zone comprises of areas, which have been subjected to traditional use by the local people for their legitimate needs, which has resulted in degradation of habitat. These areas are located in the vicinity of the villages and require intensive management practices to maintain the values of the P.A. The treatment practices include SMC works to maintain the catchment capability of the P.A., Habitat improvement works like enrichment planting, creation and maintenance of fodder plots, protection against felling of trees, poaching and fire control measures, in addition to Eco Development. In addition, there is a need to retrieve the encroached forest areas by all possible means, and enrichment of Forest growth activities should be carried out throughout the planning period which facilitates rehabilitation of the evicted areas coupled with supplementing the wild herbivore population. Another important task that has to be launched is retrieving the old podu areas and eviction of illegal guttikoya settlements. Enrichment activities such as raising of fodder plots developing of grass plots and natural forests should be taken up in the retrieved areas for rehabilitation of forest growth.

In this regard, it is submitted that, the above said encroachment area was retrieved from the encroachers during February 2019 and proposed for rejuvenation duly planting by AR SMM method.

Further, it is submitted that, as per the instructions, the photo graphs of above CA degraded forest lands (DFL) areas and time line maps in (4) sets are submitted herewith.

This is submitted for favour of kind information.

Yours faithfully,  
**Sd/- K.Damodar Reddy,**  
**Forest Divisional Officer,**  
**Kinnerasani WLM Division,**  
**Palvanha.**

Copy submitted to the Chief Conservator of Forests / Conservator of Forests, Kothagudem Circle along with enclosures in (1) sets for favour of kind information and necessary action.

**Sd/- K.Damodar Reddy,**  
**Forest Divisional Officer,**  
**Kinnerasani WLM Division,**  
**Palvanha.**

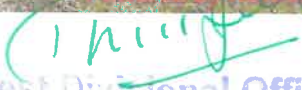
// t.c.b.o. //

Superintendent

## PHOTOS

Proposed CA (DFL) area 20 Ha in Compt., No. 30, Penagadapa Beat, Penagadapa Section, Ramavaram Range of Kothagudem Division



  
Forest Divisional Officer,  
KOTHAGUDEM



## PHOTOS

**Proposed CA (DFL) area 20 Ha in Compt., No. 29 & 30, Penagadapa Beat,  
Penagadapa Section, Ramavaram Range of Kothagudem Division**



  
**Forest Divisional Officer,  
KOTHAGUDEM**



## PHOTOS

**Proposed CA (DFL) area 40 Ha in Compt., No. 13, Tippanapalli Beat,  
Penagadapa Section, Ramavaram Range of Kothagudem Division**



*(Signature)*  
**Forest Divisional Officer,  
KOTHAGUDEM**



## PHOTOS

Proposed CA (DFL) area 20 Ha in Compt., No. 13, Tippanapalli Beat, Penagadapa Section, Ramavaram Range of Kothagudem Division



*(Signature)*  
Forest Divisional Officer,  
KOTHAGUDEM



## PHOTOS

**Proposed CA (DFL) area 100 Ha in Compt., No. 9, Musalivarre (E) Beat,  
Penagadapa Section, Ramavaram Range of Kothagudem Division**



*(Signature)*  
**Forest Divisional Officer,  
KOTHAGUDEM**



2/20/2010

Proposed CA (DFL) area 20 Ha at Compt., No. 30, Penagadapa Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE: 20.02.2010

Image © 2010 Maxar Technologies

Forest Divisional Officer,  
KOTHAGUDEM

Google Earth

2010

Image Date: 2/20/2010 Lat: 17.415025° Lon: 80.681270° Elev: 0 ft. Elevation: 4476 ft



2/18/2012

Proposed CA (DFL) area 20 Ha at Compt, No. 30, Penagadapa Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE:: 18.02.2012

Image © 2010 Maxar Technologies

*(Signature)*  
Forest Divisional Officer,  
KOTHAGUDEM

Google Earth



11/8/2015

Proposed CA (DFL) area 20 Ha at Compt., No. 30, Penagadapa Beat, Penagadapa Sector, Keshavapuram Range for Keshavapur Reservoir Project

IMAGE: 08.11.2015

Image © 2015 Maxar Technologies

*K. K. K. K.*

Forest Divisional Officer,  
KOTHAGUDEM

Google Earth



4/13/2020

Proposed CA (DFL) area 20 Ha at Compt., No. 30, Penagadapa Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE:: 13.04.2020

Image © 2020 Maxar Technologies

Forest Divisional Officer,  
KOTHAGUDEM

Google Earth



2/20/2010

Proposed CA (DFL) area 20 Ha at Compt., No. 29 & 30, Penagadapa Beat, Penagadapa Section of Ramavarani Range for Keshavapur Reservoir Project

IMAGE:: 20.02.2010

Image © 2010 Mapbox Technologies

Forest Divisional Officer,  
KOTWAGUDEN

Google Earth



2/18/2012

Proposed CA (DFL) area 20 Ha at Compt., No. 29 & 30, Penagadapa Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE:: 18.02.2012

Image © 2020 Maxar Technologies

Forest Divisional Officer,  
KOTHAGUDEM  
Google Earth

2010

Imagery Date: 2/18/2012 12:17:42 PM Lat: 17.4921709 Lon: 80.5858589 Alt: 0 ft Size: 3724 ft



11/8/2015

Proposed CA (DFL) area 20 Ha at Compt., No. 29 & 30, Penagadapa Beat, Penagadapa Section of Ramavararam Range for Keshavapur Reservoir Project

IMAGE:: 08.11.2015

Image © 2015 Google

Forest Divisional Officer,  
KOTHAGUDUM

Google Earth



Proposed CA (DFL) area 20 Ha at Compt., No. 29 & 30, Penagadapa Beat, Penagadapa Section of Ramavaram Range for Keshavapur Reservoir Project

Forest Divisional Officer,  
KOTHAGUDAM

Google Earth

Quincy



2/20/2010

Proposed CA (DFL) area 20 Ha at Compt., No. 13, Tippanapalli Beat, Penagadapa Section of Ramavaram  
Range for Keshavapur Reservoir Project

IMAGE:: 20.02.2010



Image © 2020, Maxar Technologies

Forest Divisional Officer,  
TIPKANAPALLI

Google Earth



2/18/2012

Proposed CA (DFL) area 20 Ha at Compt., No. 13, Tippanapalli Beat, Penagada Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE:: 18.02.2012

Image © 2020 Maxar Technologies

*J. V. V. V.*  
Forest Divisional Officer,

Google Earth

Imagery Date: 2/18/2012 File: 17/40109e.jpg Size: 2096x 1024 - 3821B



11/8/2015

Proposed CA (DFL) area 20 Ha at Compt., No. 13, Tippanapalli Beat., Penagadapa Section of  
Rathavaram Range for Keshavapur Reservoir Project

IMAGE:: 08.11.2015

Image © 2015 Maxar Technologies

*K. K. K.*

Forest Divisional Officer,  
KOTHAGUDEM

Google Earth

Imagery Date: 11/8/2015 Lat: 17.4300279 Lon: 80.6428156 Elev: 0 ft Contour: 3281 ft



4/15/2020

Proposed CA (DFL) area 20 Ha at Compt., No. 13, Tippanapalli Beat, Penagadapa Section of Rama/aram  
Range for Keshavapur Reservoir Project

IMAGE:: 13.04.2020



Image © 2020 Maxar Technologies

Forest Divisional Officer,  
KOTHA GUDDEM

Google Earth



2/23/2010

Proposed CA (DFL) area 40 Ha at Compt., No. 13, Tippanapalli Beat, Penagadapa Section of  
Ramavararam Range for Keshavapur Reservoir Project

IMAGE:: 20.02.2010

Image © 2010 Maxar Technologies

*[Handwritten signature]*  
Forest Divisional Officer,  
KOTAGUDEM

Google Earth



2/18/2012

Proposed CA (DFL) area 40 Ha at Compt., No. 13, Tippanapalli Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE: 18.02.2012

Image © 2010 Maxar Technologies

*Will free*  
Forest Divisional Officer,  
KOTHAGUDEM

Google Earth

Imagery Date: 2/18/2012 Lat: 17.425559 Lon: 80.534604 Elev: 0 ft. Alt: 4257 ft.





Proposed CA (DFL) area 40 Ha at Compt., No. 13, Tippamapalli Beat, Penagadapa Section,  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE:: 08.11.2015



Image © 2020 Maxar Technologies

*Mudgar*  
Forest Divisional Officer,  
KOTMAGUDEM

Google Earth

Image satellite 11/08/2015 14:12:49:550901 Lat: 12.67655090 Lon: 80.63432970 Alt: 606.00m GMS: 45.716



4/13/2020

Proposed CA (DFL) area 40 Ha at Compt., No. 13, Tippanapalli Beat, Penagadapa Section of  
Ranavaram Range for Keshavapur Reservoir Project

IMAGE:: 13.04.2020

Image © 2020 Maxar Technologies

*Murugesu*  
Forest Divisional Officer,  
KOTHAGUDEM

Google Earth



2/29/2010

Proposed CA (DFL) area 100 Ha at Compt., No. 9, Musalivare (E) Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE:: 20.02.2010

Image © 2020 Maxar Technologies

Forest Divisional Officer,  
KOTHAGUDDEM

Google Earth



2/18/2012

Proposed CA (DFL) area 100 Ha at Compt., No. 9, Musalivairre (E) Beat, Penagadapa Section of  
Ramavarann Range for Keshavapur Reservoir Project

IMAGE:: 18.02.2012

Image © 2020 Maxar Technologies

*K. K. K. K.*  
Forest Divisional Officer,  
KOTHAGUDEMI

Google Earth



31/8/2015

Proposed CA (DFL) area 108 Ha at Compt., No. 9, Musalivarre (E) Beat, Penagadapa Section of  
Ramavaram Range for Keshavapur Reservoir Project

IMAGE: 08.11.2015

Image © 2010 Maxar Technologies

Forest Divisional Officer,  
KOTMAGUDDEM

Google Earth

Image Date: 11/8/2015, Lat: 17.2750710, Lon: 80.7007090, Geo: 016, Zoom: 16.7019



4/13/2020

Proposed CA (DFL) area 100 Ha at Compt., No. 9, Musalivare (E) Beat, Penagadapa Section of  
Ramavarim Range for Keshavapur Reservoir Project

IMAGE:: 13.04.2020

Image is 2020 Maxar Technologies

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Forest Divisional Officer,  
KOTHAGUDEM

Google Earth



## **CHAPTER-2**

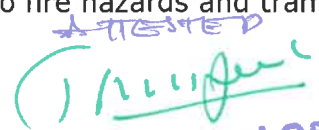
### **REJUVENATION OF DEGRADED FOREST WORKING CIRCLE:**

**2.2 General Constitution of Working Circle:** The general constitution and character of the areas proposed under the Working Circle are forests that are degraded or under the process of degradation due to various reasons and subjected to various stages of biotic pressures. retrieval of encroached areas deleting the areas for which the title deeds issued under RoFR Act, 2005 this working circle importance has been given to the flag ship program "Telanganaku Haritha haram" with the primary object of increasing the green cover in the state to a minimum of 33% as per National Forest Policy 1988. The details of the areas tackled under this massive programme is furnished in **Annexure-IX**. The involvement and participation of the local people, institutions, VSS committees has been emphasized. The total area allotted to this working circle is 22348.82 Ha. including the RoFR and the revisiting the areas treated in the past.

**2.3 General Character of Vegetation:-a)** In general, the forests are mixed dry deciduous, which are in various stages of degradation and supporting the site qualities III to VI of Andhra Pradesh.

b) In some cases, the areas are encroached and under Cultivation. The period of illegal action occupation varies from as old as 20 years to as recent as 2 or 1 year old. The old areas of encroachment are under continuous farming and the Reserve Forest area is as good as the field. In such areas Paddy, Mirchi and Cotton are cultivated. The recent areas of encroachment support the root stock of old reserve trees, with root suckers and regeneration. These areas require different treatment.

The composition of the crop consist of species like (Manilkarahexandra) Pala, (Acacia chundra) Sundra, (Accaciaferrugenia)Val Sandra, (Zizyphusxylopyrus)Gotti,(Gymnosporiamontanca)Danti,(Erythroxylonmenogynu)Devadari, (Randiadumetoram) Manga, (Brideliahamaltoniana) Panchodakam etc. The timber species like (Hardwickiabinata) Nara Yepi, (Chlolroxylonswietenia) Billudu, (Terminalia tomentosa), Nallamaddi (Anogeissuslatifolia), Tiruman (Cleistanthuscollinus), Kodisha (Lagerstromicaparvifolia) Chennangi etc. in various stages of degradation. There is no considerable distinction of canopy and age classes. Thorny climbers of Zizyphusoenoplia, (Combretum decandrum)BonthaTeega and bushes of (Zizyphusmouratiana)Regu, (Calycopteris floribunda) Adavi Jama, Wood (fordia floribunda) Jaji etc., are common. The soils are skeletal, compact and exposed due to soil erosion. The weeds like (Inisomilusmalabaricum) Mahaveera, grasses like Andropogon species (broom grass), Cymbopogon species is common. The natural regeneration is un-established and exposed to fire hazards and trampling of cattle.

  
**Forest Divisional Officer,**  
**KOTHAGUDEM**



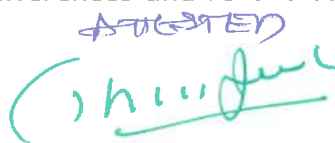
#### **14. Treatment of encroached areas:**

##### **A) Treatment of Old encroached areas and retrieved during the plan period.**

These areas were under occupation for a long time and after proper identification and following due procedure, in vogue, shall be retrieved. Such areas are generally under cultivations of Paddy, Mirchi, Jowar, Pulses (red gram) or cotton. The areas are devoid of any root stock and in such areas, semi mechanical method of planting may be adopted. One plough before the planting, planting at an escapement of 3m, application of fertilizers, other operation as per FSR and Inter ploughing of the area at the end of the rainy season are the operations prescribed. The species to be planted are fast growing like Tellachinduga, Nemalinara, Bombax ceiba, on the periphery of the plantation and species of Rose wood, Nara yepi, Yegisa, bandaru, Maddi, Neredu etc. shall be planted in the middle of the area at 3m x 3m escapement, watch and ward and zero biotic interference shall be ensured.

##### **B) Treatment of recent encroached areas which are retrieved during the plan period.**

These areas are the areas which are occupied recently and some effort is made by the encroachers for putting the areas under cultivation. Generally, such areas have lot of root stock, lot of regeneration of root suckers, or coppices or of seed origin. Such areas shall be strictly treated under Assisted Natural regeneration method, where the thorny shrubs interference with growth, fast growing climbers (tippateega) and weeds around the regeneration are proposed to be removed. Such areas have the capacity to rejuvenate itself, if adequate protection is ensured against cattle grazing, trampling, removal of lops and tops by the local people and steps have to be taken up against fire menace. Such areas have to necessarily be taken up under fire prevention programme, by taking up creation and maintenances of fire lines. In such area, viable gaps of more than 0.5 ha. has to be taken up for planting under "pit and plant" method. Adequate care has to be taken against biotic interferences and re-encroachment by the illegal encroacher.

  
 Forest Divisional Officer,  
 KOTHAGUDEM



# MANUGURU DIVISION



Latitude: 17.750411  
Longitude: 80.832692  
Elevation: 66.7m  
Accuracy: 3.2m  
Time: 29-07-2020 10:54  
Note: Beat. SN. Puram.

P. Nagaraj  
Geo  
Enrollment  
Geo  
Beat: SN. Puram

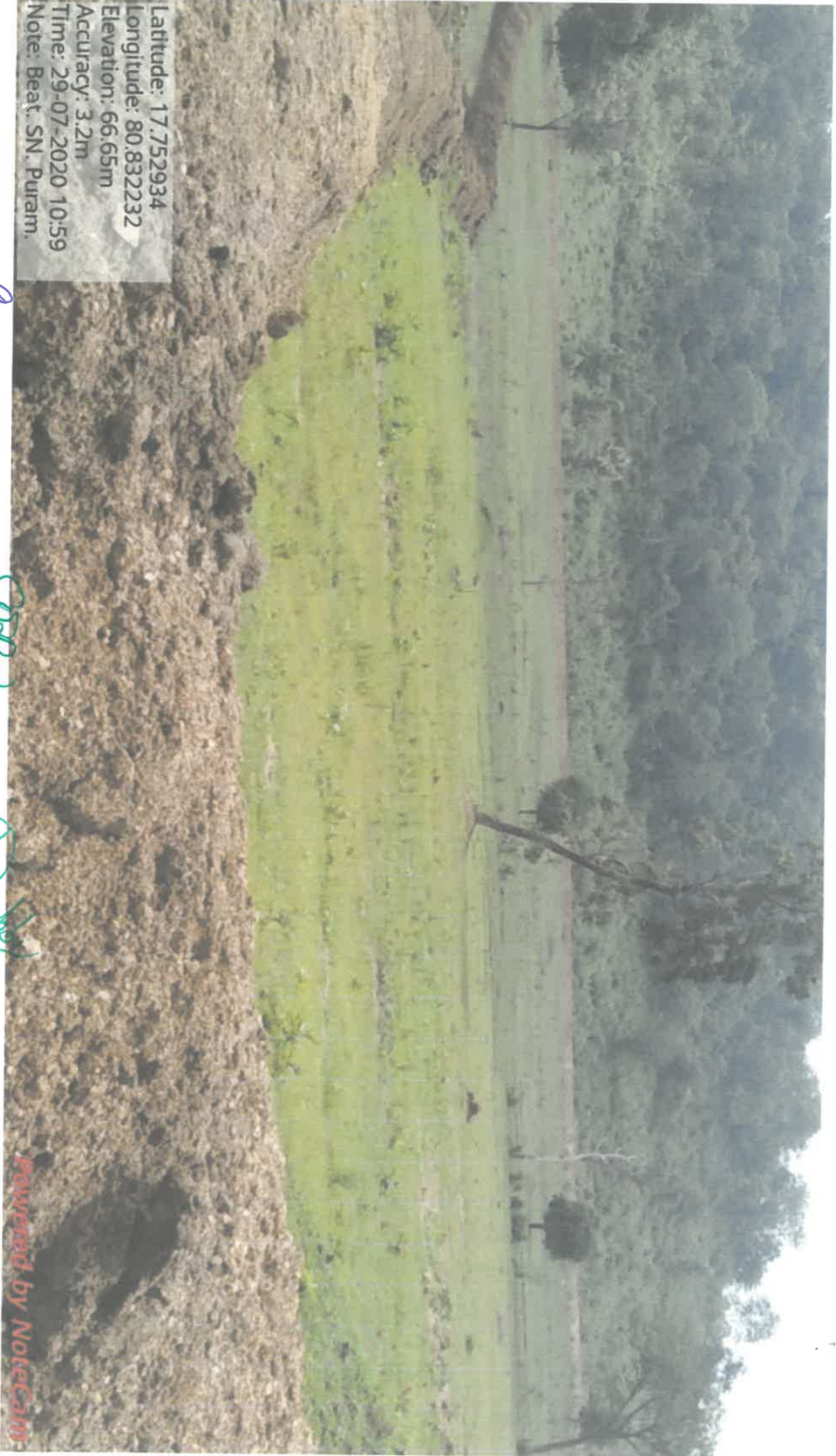
Forest Range Officer  
ASWAPURAM

Forest Divisional Officer  
MANUGURU



P. Nagaraj  
F&O  
Sundar  
Beat: SN-Puram

Latitude: 17.752934  
Longitude: 80.832232  
Elevation: 66.65m  
Accuracy: 3.2m  
Time: 29-07-2020 10:59  
Note: Beat, SN, Puram.



Powered by NoteCam

FOREST RANGE OFFICER  
ASMAPURAM  
Forest Divisional Officer  
MANUGURU



Latitude: 17.751318  
Longitude: 80.833895  
Elevation: 62.99m  
Accuracy: 8.6m  
Time: 07-07-2020 16:02  
Note: sn puram



Powered by NoteCam

P. Nagarajan  
fco

Isd: SN Puram

FOREST RANGE OFFICER  
ASWAPURAM

Forest Divisional Officer  
MANUGURU



Latitude: 17.751954  
Longitude: 80.835234  
Elevation: 77.69m  
Accuracy: 3.2m  
Time: 06-07-2020 15:42  
Note: Beat. SN. Puram. CPT

P. Nagaraj  
ASO  
Isavud  
SN. Puram

Forest Range Officer  
ASWAPURAM

Forest Divisional Officer  
MANUGURU

Powered by NoteCam





**Satyantarayanapuram Beat, Eravendi Section, Aswapuram Range**

Image © 2000 Merrill Lynch, Pierce, Fenner &amp; Smith Inc.

1  
810715

Z&gt;



**20 Ha., DFL area plantation Image 2014**  
Salyanarayapuram Beat, Eravandi Section, Aswapuram Range



Legend  
1  
810715

1000 ft



*[Signature]*  
FOREST RANGE OFFICER  
ASWAPURAM

*[Signature]*  
Forest Divisional Officer  
MANUGURU

*[Signature]*  
Beat - Salyanapuram

*[Signature]*  
P. Nagaraj  
Eravandi



20 Ha., DFL area plantation Image 2016  
Salyanarayanaapuram Beal, Elavandi Section, Aswapuram Range

Google Earth



*[Signature]*  
P&O  
Beal: Salyanapuram

J. Nagesh Reddy  
880  
Elavandi

*[Signature]*  
FOREST RANGE OFFICER  
ASWAPURAM

*[Signature]*  
Forest Divisional Officer  
MANUGURU



20 Ha, DFL area plantation Image 2019  
Salyanarayapuram Beat, Eravandi Section, Aswauram Range



Google Earth

Legend  
1  
910715

1000 ft



  
P. N. Prasad  
Beat: S.N. Prasad

P. N. Prasad  
P. N. Prasad

  
FOREST RANGE OFFICER Forest Divisional Officer  
ASWAPURAM MANDGURU



Salyanarayanapuram Beat, Eraveli Section, Aswapuram Range

THE UNIVERSITY OF CHICAGO



Z&gt;



## CHAPTER-X

## DEGRADED FOREST IMPROVEMENT WORKING CIRCLE

(D.F.I.W.C.)

## 10.1. GENERAL CONSTITUTION AND CHARACTERISTICS OF THE WORKING CIRCLE:

- This Working Circle includes the following types of forest areas.
1. All degraded forest areas which are generally accessible and having a low density crop i.e. less than 0.4, and forest areas which are adjacent to villages (which are degraded due to over exploitation) are included in this working circle.
  2. The forest areas having unsound teak trees in more number with different age classes which fall under sub type of Dry Teak. The regeneration of teak is almost negligible. This selective removal of teak has facilitated preponderance of miscellaneous species but very less number of mature trees.
  3. The areas which are second category of mixed type of forests with teak less than 10% or even nil in some places.
  4. Third type of areas having clumps of Bamboo, as under story along with other species and are subject to damages and over exploitations and getting further degraded. In addition to that the areas which were primarily having good bamboo growth but subsequently the bamboo extinguished from the area either due to heavy biotic pressure or exploitation are also proposed to be treated under this working circle.
  5. All such areas adjacent to villages which are prone to encroachments or encroached recently also shall be clubbed under this working circle duly involving the local communities by forming VSS committees so as to rehabilitate the encroached area as well as to protect the remaining area.




FOREST RANGE OFFICER  
ASHWAPURAM



Forest Divisional Officer  
MANUGURU



WLM KINNERASANI

PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI

Latitude: 17.795134  
Longitude: 80.56531  
Elevation: 174.76m  
Accuracy: 3.2m  
Time: 20-06-2020 09:50  
Note: venkatapuram south



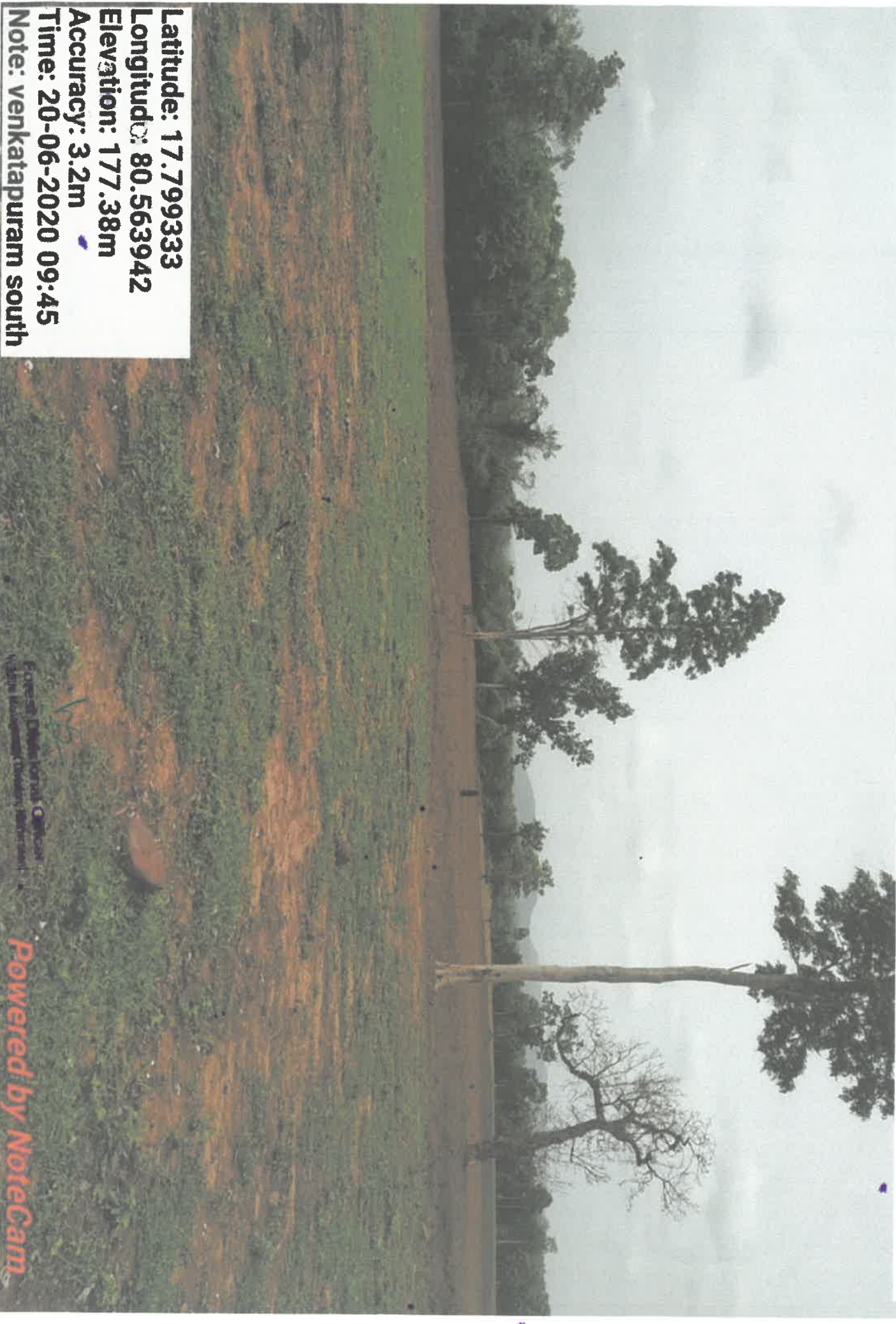
Forest Divisional Office  
Medchal Malkajgiri, Nanded

Powered by NoteCam



-PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAGIRI

Latitude: 17.799333  
Longitude: 80.563942  
Elevation: 177.38m  
Accuracy: 3.2m  
Time: 20-06-2020 09:45  
Note: venkatapuram south



Forest Department, Odisha  
Wildlife Management Division, Bhubaneswar

Powered by NoteCam



PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN UEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI

Latitude: 17.799436  
Longitude: 80.56398  
Elevation: 176.25m  
Accuracy: 3.2m  
Time: 20-06-2020 09:44  
Note: venkatapuram north

Forest Divisional Officer  
Venkateshwar Reddy, Venkateshwar

Powered by NoteCam



PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI



Latitude: 17.674837  
Longitude: 80.567706  
Elevation: 189.43m  
Accuracy: 4.0m  
Time: 23-06-2020 13:04  
Note: SAMPATNAGAR BEAT ILLEGAL POND CULTIVATION AREA

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PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI



Latitude: 17.674899  
Longitude: 80.567789  
Elevation: 186.43m  
Accuracy: 11.5m  
Time: 23-06-2020 13:03  
Note: SAMPATNAGAR BEAT ILLEGAL PADDY CULTIVATION AREA

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PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI



Latitude: 17.675008  
Longitude: 80.567775  
Elevation: 166.18m  
Accuracy: 10.5m  
Time: 23-06-2020 13:00  
Note: SAMPATNAGAR BEAT ILLEGAL POODU CULTIVATION AREA

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PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI



Latitude: 17.675416  
Longitude: 80.567911  
Elevation: 187.18m  
Accuracy: 4.0m  
Time: 23-06-2020 13:02  
Note: SAMPATNAGAR BEAT MEDCHAL MALKAJGIRI

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16



PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT. NO. 5 OF PUNUKUDUCHELKA  
RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR  
RESERVOIR IN MEDCHAL-MALKAJGIRI

Latitude: 17.738632  
Longitude: 80.588722  
Elevation: 150.2 m  
Accuracy: 3.8 m  
Time: 29-07-2020 11:49  
Note: 30 ha retrieved area in Yerrachelka beat



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PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO. 5 OF PUNUKUDUCHELKA  
RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR  
RESERVOIR IN MEDCHAL-MALKAJGIRI



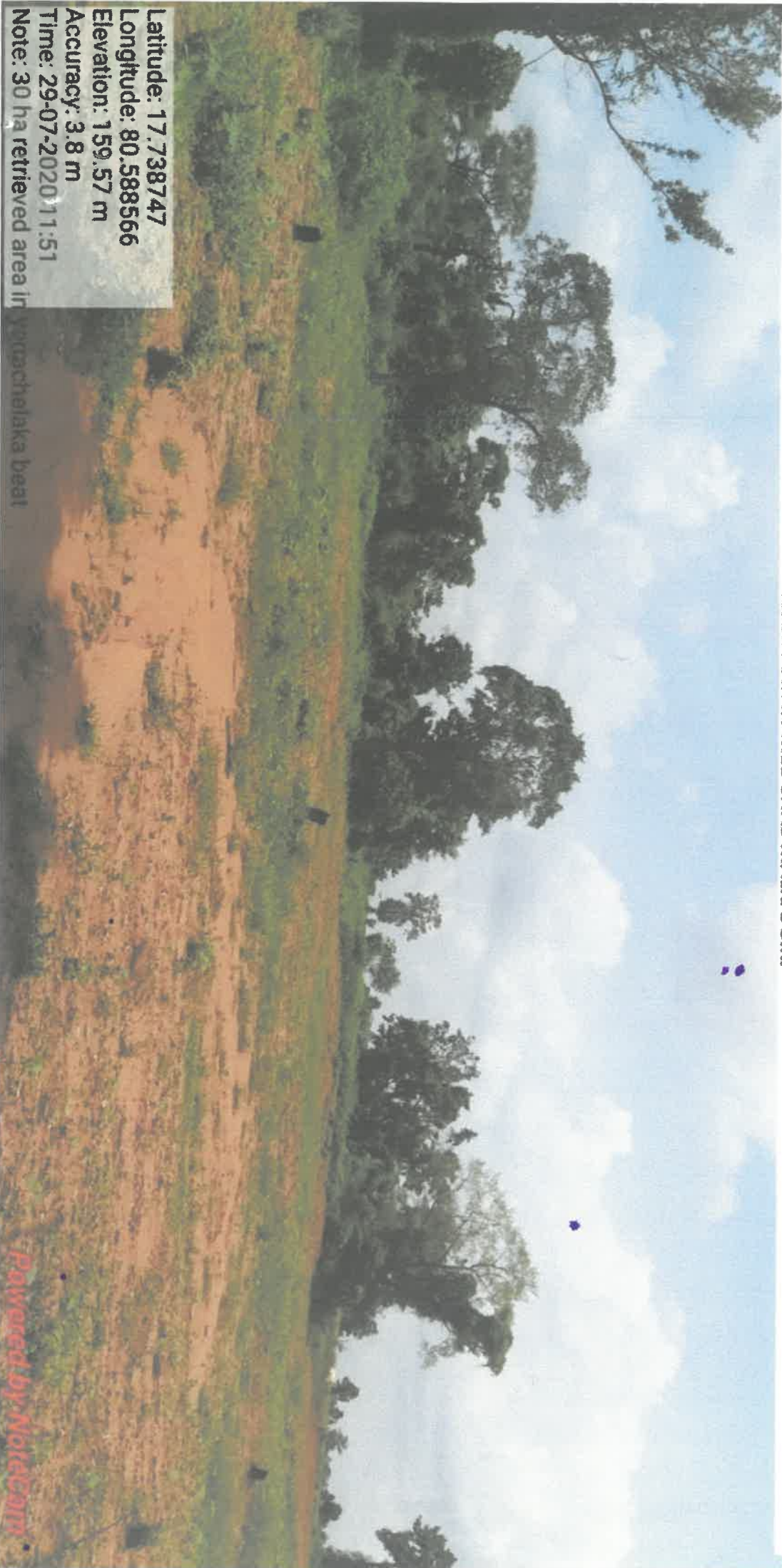
Latitude: 17.738651  
Longitude: 80.58873  
Elevation: 150.22 m  
Accuracy: 3.8 m  
Time: 29-07-2020 11:50  
Note: 30 ha retrieved area in Yerrachelka beat

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h5



PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO. 5 OF PUNUKUDUCHELKA  
RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR  
RESERVOIR IN MEDCHAL-MALKAJGIRI



Latitude: 17.738747  
Longitude: 80.588566  
Elevation: 159.57 m  
Accuracy: 3.8 m  
Time: 29-07-2020 11:51  
Note: 30 ha retrieved area in Yerrachelaka beat

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45



PHOTO SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO. 5 OF PUNNUKUDUCHELKA  
RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR  
RESERVOIR IN MEDCHAL-MALKAJGIRI

Latitude: 17.738701  
Longitude: 80.58855  
Elevation: 154.0 m  
Accuracy: 3.8 m  
Time: 29-07-2020,11:51  
Note: 30 ha retrieved area in yerrachelka beat

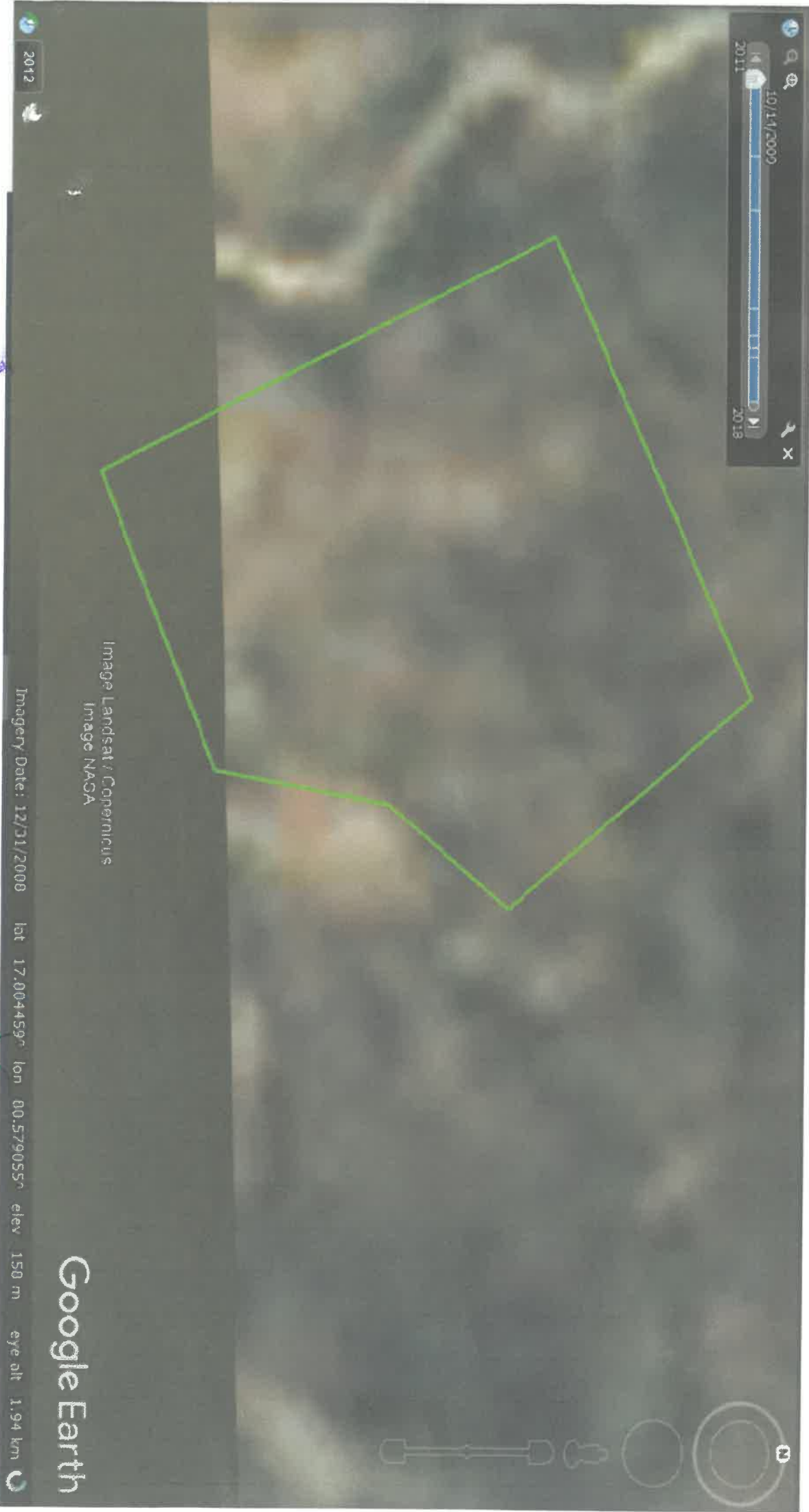


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125



**TIMELINE MAP OF 2009 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**





**TIMELINE MAP OF 2010 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAGIRI**



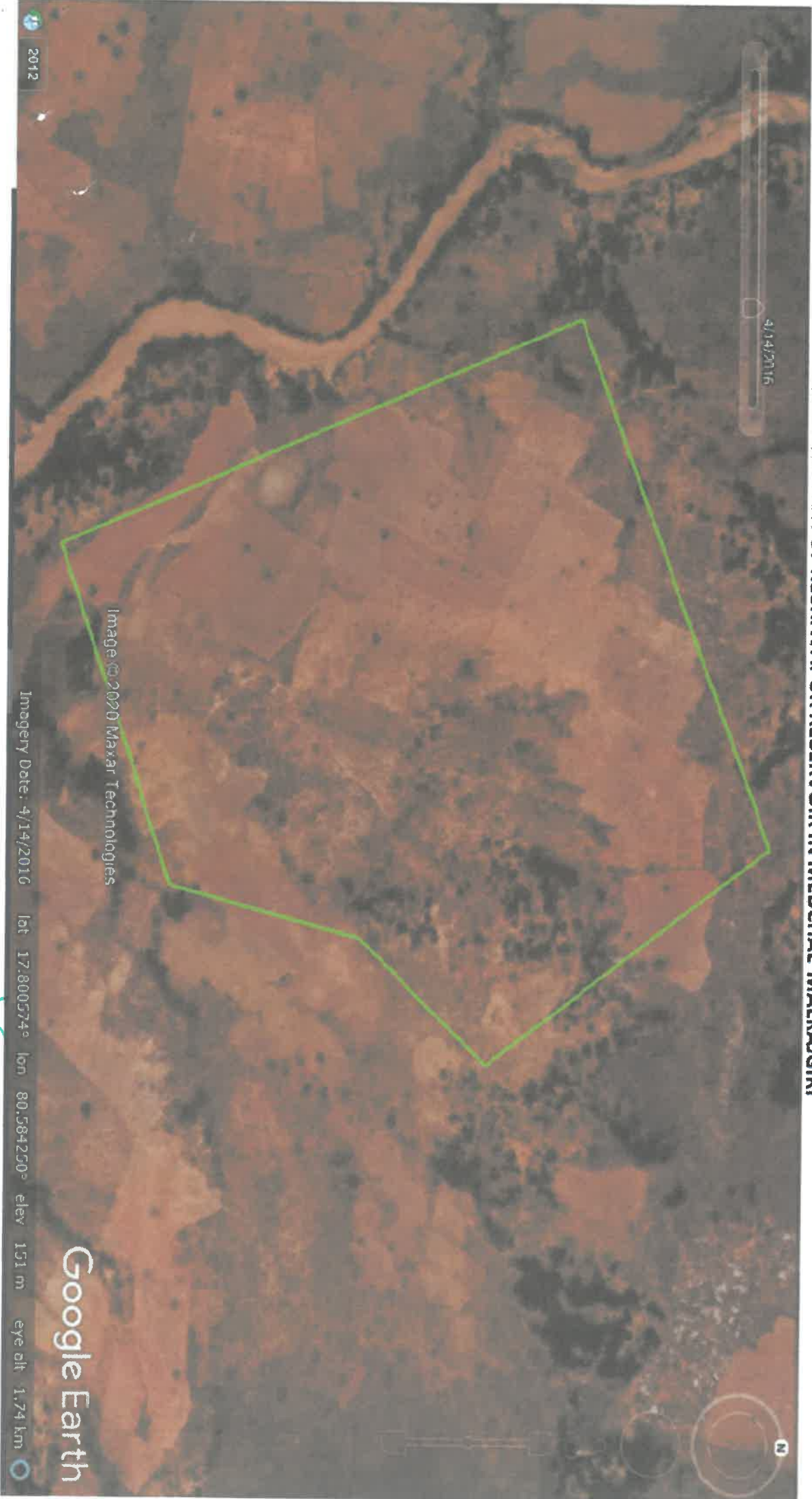


**TIMELINE MAP OF 2012 SHOWING THE COMPENSATORY AFFORESTRATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJIRI**





**TIMELINE MAP OF 2016 SHOWING THE COMPENSATORY AFFORESTRATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**



2012

Imagery Date: 4/14/2016

lat 17.800574° lon 80.584250° elev 151 m eye alt 1.74 km

Google Earth

Forest Divisional Officer  
Venkateswara Rao, Komuravolu



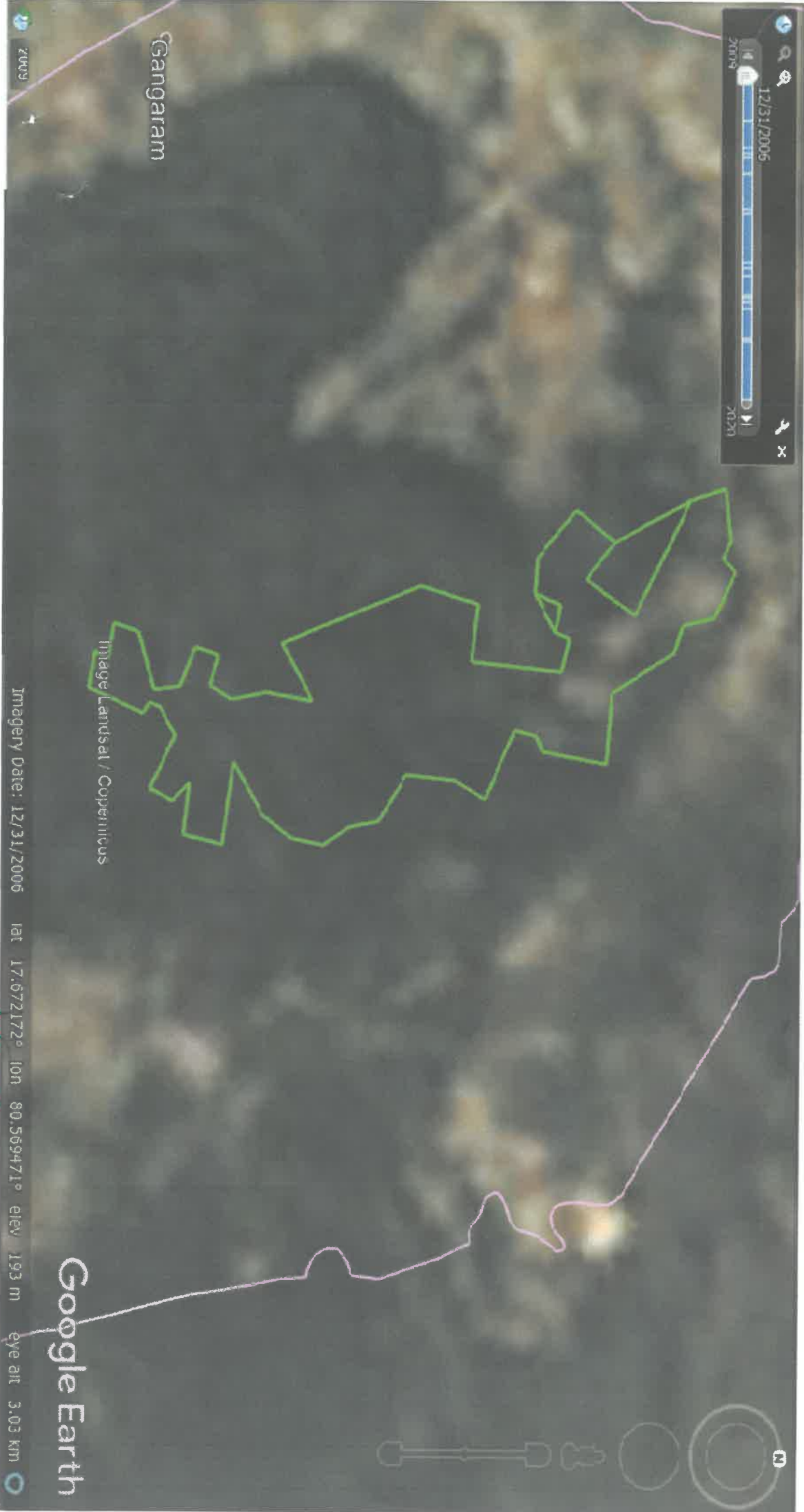
**TIMELINE MAP OF 2020 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 23 OF ALLAPALLY RF OF VENKATAPURAM (S) BEAT OF ALLAPALLY RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**



**Forest Department**  
**Wildlife Management Division, Hyderabad**

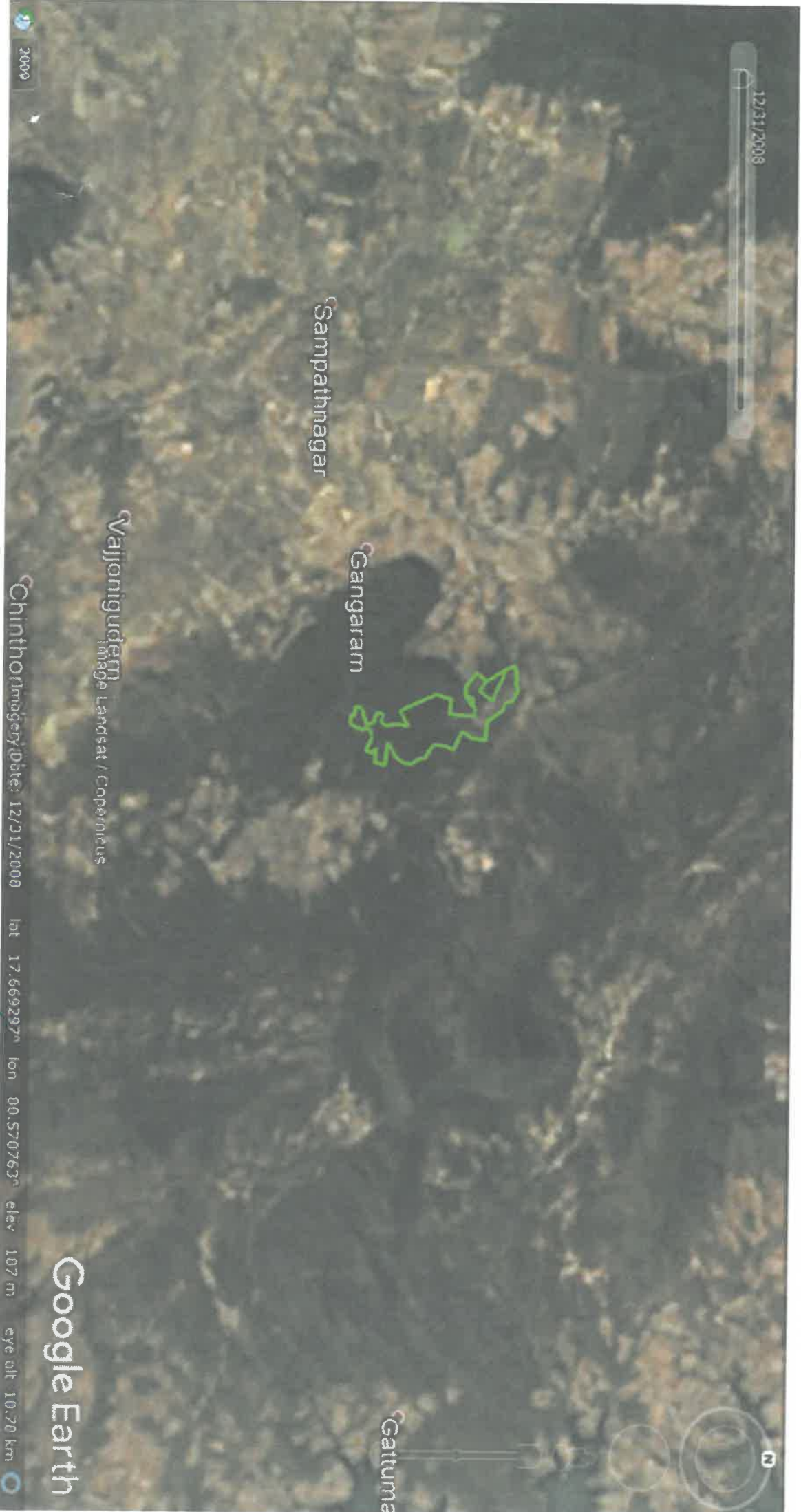


**TIMELINE MAP OF 2006 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJIRI**





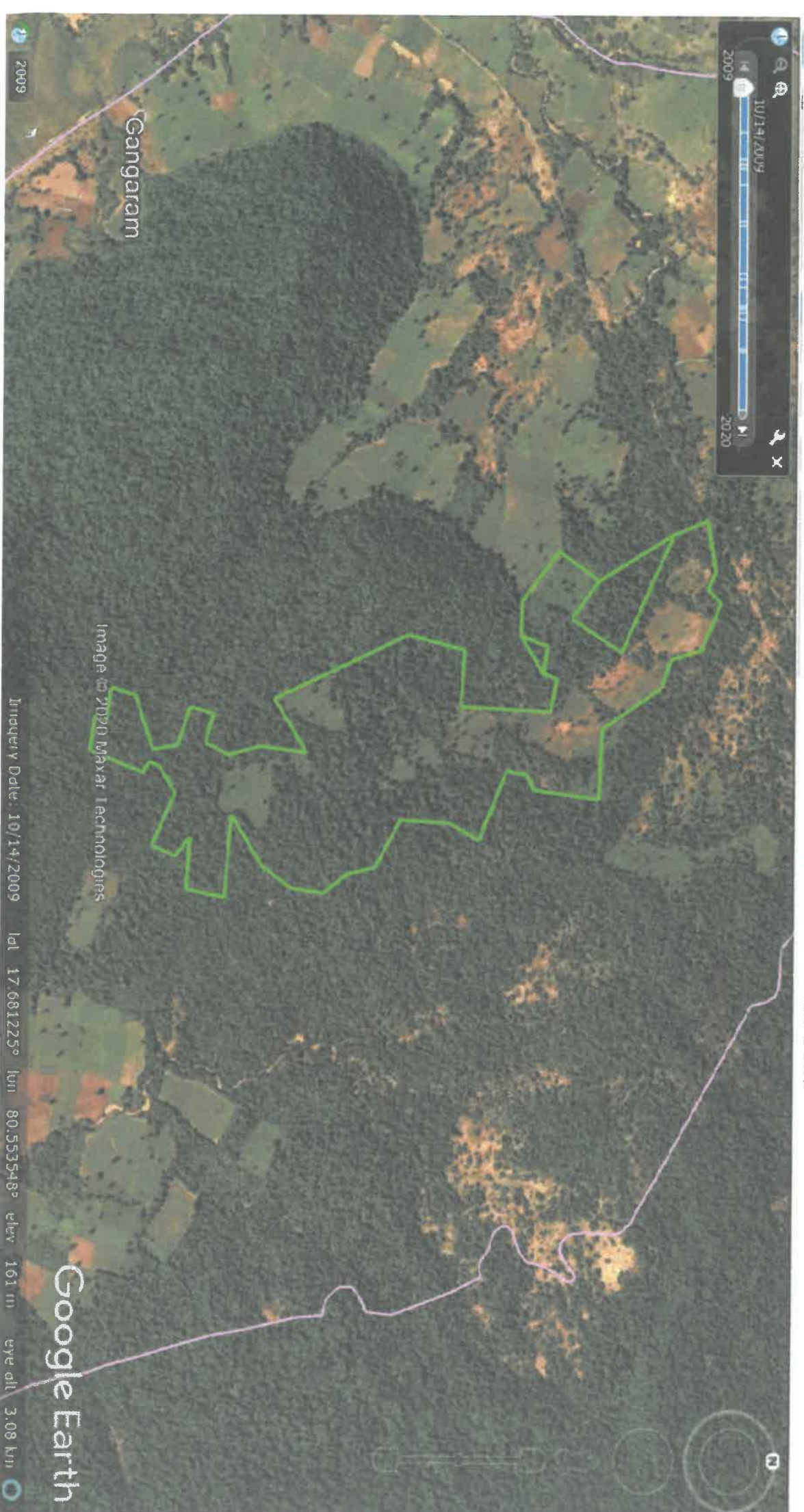
**TIMELINE MAP OF 2008 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJIRI**



Forest Divisional Officer  
Wildlife Management Division, Hyderabad



**TIMELINE MAP OF 2009 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJIRI**



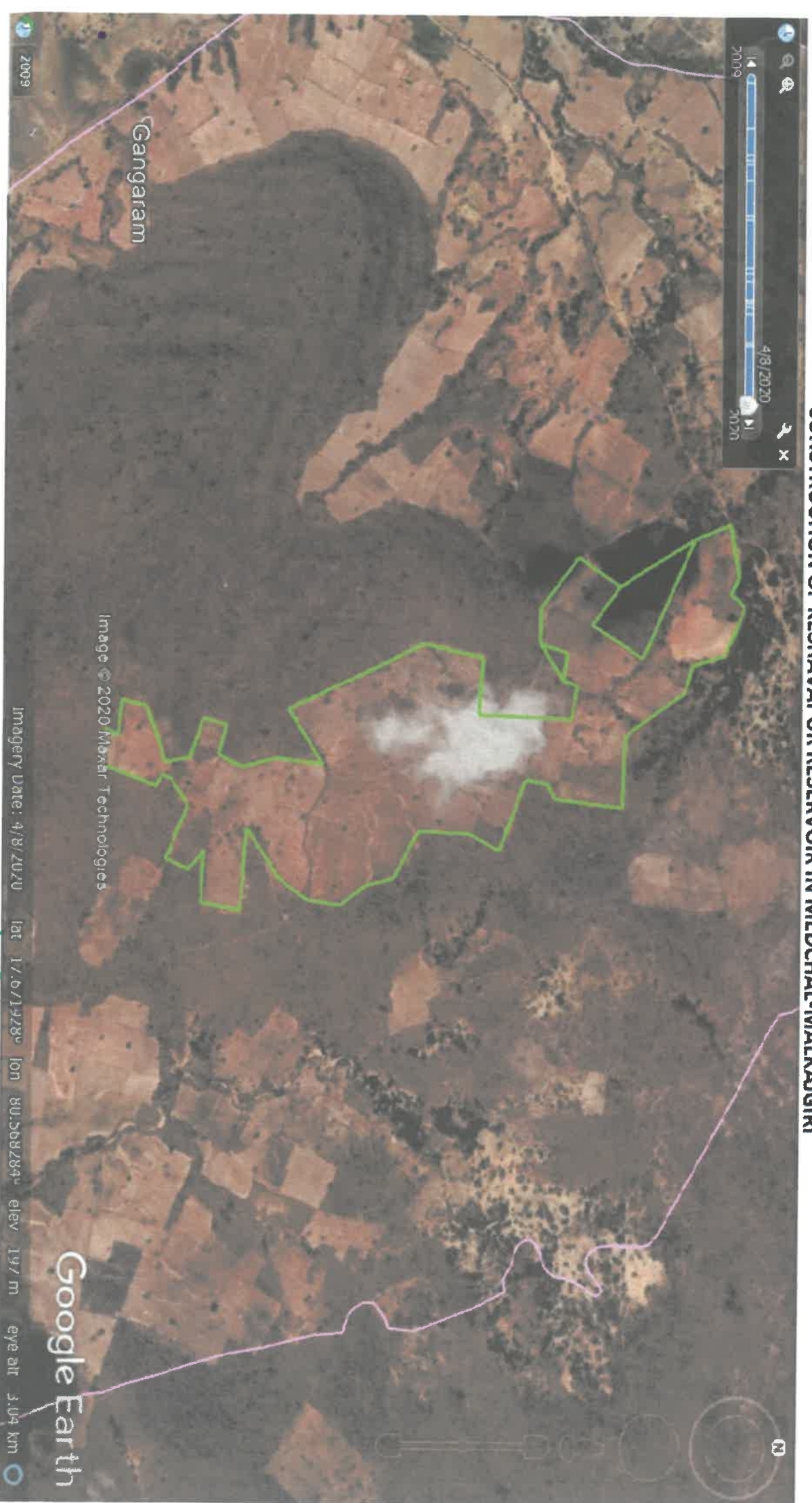


**TIMELINE MAP OF 2016 SHOWING THE COMPENSATORY AFFORESTRATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**





**TIMELINE MAP OF 2020 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 50 Ha. IN COMPT.NO. 16 OF CHATAKONDA RF OF SAMPATHNAGAR BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**



**Forest Divisional Officer**  
Wildlife Management Division, Hyderabad

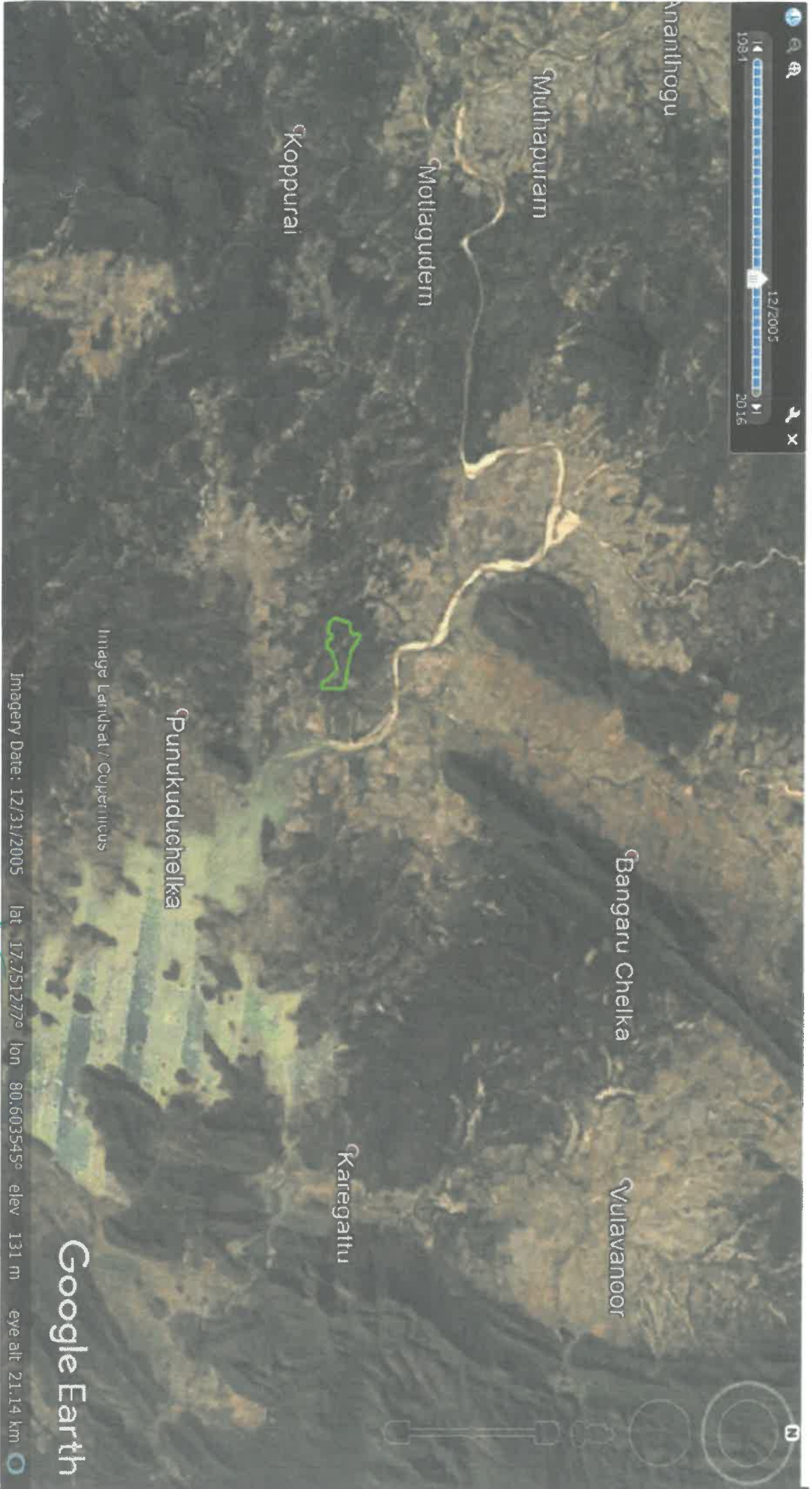


**TIMELINE MAP OF 2003 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO. 5 OF PUNUKUDUCHELKA RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**





**TIMELINE MAP OF 2005 SHOWING THE COMPENSATORY AFFORESTATION SCHEME IN DEGRADED FOREST LAND FOR 30 Ha. IN COMPT.NO. 5 OF PUNUKUDACHELKA RF OF VERRACHELKA BEAT OF CHATRAKONDA RANGE IN LIEU OF DIVERSION OF 109.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAIGIRI**



**Forest Division Officer**  
Vanditha Ramakrishna, Hyderabad



**TIMELINE MAP OF 2009 SHOWING THE COMPENSATORY AFFORESTRATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO.5 OF PUNUKUDUCHELKA RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAJGIRI**



Imagery Date: 10/14/2009 lat 17.741195° lon 80.590806° elev 153 m eye alt 1.54 km

Google Earth

Forest Divisional Offices  
Wildlife Divisional Offices, Hyderabad



**TIMELINE MAP OF 2012 SHOWING THE COMPENSATORY AFFORESTRATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO. 5 OF PUNUKUDUCHELKA RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAIGIRI**



**Forest Divisional Officer**  
Wildlife Management Division, Bommarasetti



**TIMELINE MAP OF 2020 SHOWING THE COMPENSATORY AFFORESTRATION SCHEME IN DEGRADE FOREST LAND FOR 30 Ha. IN COMPT.NO.5 OF PUNUKUDUCHELKA RF OF YERRACHELKA BEAT OF CHATAKONDA RANGE IN LIEU OF DIVERSION OF 409.530 Ha. OF FOREST LAND FOR CONSTRUCTION OF KESHAVAPUR RESERVOIR IN MEDCHAL-MALKAGIRI**



**Forest Divisional Officer**  
**Wildlife Management Division, Government of Karnataka**



**3.6.3.3 Illegal removal of Non Wood Produce, Encroachments and other illegal activities:**

The cases of illegal removal of non-wood produce is very less. The Sanctuary consists of mostly Tribal population and only few of these tribals collect the non-wood produce and sell to Girijan Corporation. The availability of non-wood produce except Beedi Leaf is not abundant, and hence, the illegal removal of non-wood produce is neither significant nor at alarming levels. The Sanctuary consists of mostly tribal villages, devoid of irrigation facilities. The habitations near the Core Area do not even have the power supply, hence, there is not much pressure on the forests for encroachment every year. However, there are old encroachments and illicit cultivation in Sanctuary especially in villages like Regalla, Markode, Adlapalli, Ulvanoor etc. Regularization of such podu lands in the past, instigation by political parties under land grab movement had increased the problem many fold. Absence of proper employment opportunities, illiteracy and ignorance of the tribals regarding conservation values and insurgency problems prevailed over the area have further aggravated the situation.

- a. **Bhooporatam:** In order to green support of public in the interior areas of the sanctuary, some of the left parties like CPM, CPI & etc., encourage mass encroachments of forest lands by the tribals which the parties named as Bhooporatam. The spite act of prevention of these Bhooporatams by the staff there were (3) Nos. Bhooporatams confronted in the sanctuary duly which local tribals / villagers in hundreds evaded and hacked forest for encroachments in the sanctuary during the plan period 2003-04 to 2011-12. Despite not getting support from the either Revenue or from Police, several more Bhooporatams were prevented by the staff of the Division efficiently due to which much more forest areas was saved from hacking and encroachments. The particulars of the Bhooporatams are furnished below.
- b. **Regalla Beat:** In the year of 2008-09 about 500 tribals with the support of CPM party have evaded on forest and hacked about an area of 40 Ha.
- c. **Yanambail Beat:** In the year of 2009-10 about 200 tribals with the support of CPM party have evaded on forest and hacked about an area of 20 Ha.
- d. **Allapally Beat:** In the year of 2008-09 about 200 tribals under the leadership of CPI party, have evaded on forest, but the field staff have prevented successfully the tribals/villagers from encroaching in the forest land.
- e. **After RoFR:** The RoFR Act, 2006 envisages issue of title deeds to the local tribal encroachers, to the extent of forest land who are in position prior to the cut of date: 13.12.2005. This late to the misunderstanding of the tribals, even by other communities, started cutting the trees in the forest and started encroaching in larger scale, thinking that they would also be issued podu pattas in future.



During the plan period from 2003-04 to 2012-13, there was encroachment over an area of 104 Ha. in forest area from 2000-01 to 2005-06, and subsequently there was encroachments over an area of 1005.74 Ha. (As on 31.05.2012) after the RoFR Act came in to light which is alarming as far as encroachments in the forest area of the sanctuary concerned. This area of encroachments going on increasing year-by-year.

**3.6.4 Live-stock grazing:** The domestic live-stock mainly consists of Cow, Sheep and Goats and a few buffaloes. The domestic live-stock goes into Sanctuary for grazing. The grazing is allowed for domestic live-stock except for goats. The impact of grazing is restricted to fringe areas only in the Sanctuary.

**3.6.5 Wild fires:** The Sanctuary area is subjected to annual ground fire during the months of February, March, April and May. The fire is only ground fire and not much damage is caused to the crowns and large trees, but the ground flora like grasses and young regeneration and subsoil organisms are badly effected.

**3.6.6 Insect attack and pathological problems:** Not much of insect attack or pathological problems are noted in the last 10 years in the Sanctuary.

**3.6.7 Wildlife Health:** During the plan period 2003-04 to 2012-13, due to increase in habitations and population in the habitations increased and evidently domestic live stock is increase which lead to irrational grazing of the livestock the fodder availability, the prey animals in the sanctuary started receding. The chances of spreading the diseases of the domestic live stock to the wild animals in the sanctuary increased which causing deterioration. Hence, it is necessary to organize in periodical immunization camps and vaccination to the local tribes and to their domestic live stock as well in order to prevent contagious and epidemics to the wildlife.

**3.6.8 Interagency programmes and problems:**

**3.6.8.1 Integrated Tribal Development Agency (ITDA):** The ITDA is taking up various developmental welfare activities to the tribals in the sanctuary. One of these activities are formation of percolation tanks in the patta lands of the tribals for irrigating there lands as the catchment of these tanks being forest area, most of the tanks' impounding areas submerge adjoining forest area which gradually leading to either deterioration forest growth due to submergence or hacking of forest for cultivation of summer crop in the area of submergence. Another problem found that after formation of the irrigation tanks, the tribals started encroaching forest areas around the tanks to increase their areas of cultivation.

**3.6.8.2 TRANSCO:** As part of welfare activity to the tribals, the Transco, knowingly or unknowingly supplying power lines to the tribals for irrigation and domestic purposes in the areas of forest. As the power supply is started in



**6.2 ZONATION:** For effective management of the sanctuary the following zones are prescribed and the compartment areas for each Zone is shown **Appendix-5**.

**A. CORE ZONE**

- |                      |   |               |
|----------------------|---|---------------|
| 1. Conservation Zone | : | 20207.100 Ha. |
| 2. Restoration Zone  | : | 37439.680 Ha. |
| 3. Tourism Zone      | : | 6386.090 Ha.  |

**B. BUFFER ZONE : 61020 Ha.**

**6.2.1 CONSERVATION ZONE:** This zone consists of the areas which are devoid of human habitations mostly comprising of interior inaccessible areas earmarked for total non-use and complete protection purpose. This area is mostly confined to Markode block as shown in the map enclosed. Removal of any forest produce in any form is totally prohibited in this zone. The management activities should be limited to creation and improvement of water holes, protection of area from habitat destruction and fire, creation and maintenance of census transects, re stocking of prey base at strategic sites.

**6.2.2 RESTORATION ZONE:** This zone comprises of areas, which have been subjected to traditional use by the local people for their legitimate needs, which has resulted in degradation of habitat. These areas are located in the vicinity of the villages and require intensive management practices to maintain the values of the P.A. The treatment practices include SMC works to maintain the catchment capability of the P.A., Habitat improvement works like enrichment planting, creation and maintenance of fodder plots, protection against felling of trees, poaching and fire control measures, in addition to Eco Development. In addition, there is a need to retrieve the encroached forest areas by all possible means, and enrichment of Forest growth activities should be carried out throughout the planning period which facilitates rehabilitation of the evicted areas coupled with supplementing the wild herbivore population. Another important task that has to be launched is retrieving the old podu areas and eviction of illegal guttikoya settlements. Enrichment activities such as raising of fodder plots developing of grass plots and natural forests should be taken up in the retrieved areas for rehabilitation of forest growth. A phased budget is proposed for rehabilitation of retrieved areas and sufficient budget should be provided through out the plan period.

**6.2.3 TOURISM ZONE:** This Zone (area is 6386.090 Ha.) consists of the areas containing the Kinnerasani Reservoir and the pick up dam location as shown in the map. In order to minimize the impacts due to tourism activities, this zone is proposed at the fringe of the Sanctuary. Creation of this zone is necessary to create awareness among the people about the importance of conservation and the values of the P.A. and also to gain the support of people for the efforts put forth by the management towards this cause. The details of area by compartments is given in **Appendix-5**.