

**SITE INSPECTION REPORT OF SRI P.S.SRINIVASA SASTRY, IFS.,  
DIVISIONAL FOREST OFFICER, ELURU ON THE INSPECTION OF  
FOREST AREAS PROPOSED TO BE DIVERTED FOR CHINTHALAPUDI  
LIFT IRRIGATION SCHEME PROJECT IN ELURU DIVISON.**

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In Eluru Forest Division of West Godavari District Reserved Forest Area over an Extent of 469.18ha, is proposed to be diverted for the Purpose of Chintalapudi Lift Irrigation Project. This Area is in 14 Patches in 12 Forest Blocks namely Karakapadu R.F, Bedadanuru R.F, Marlagudem R.F, Darbhagudem RF, Yerraguntapalli RF, A.R.Palem RF, Chintalapudi RF, Singagudem RF, Bhogole RF, Ramasingavaram RF, Tadikalapudi R.F and Nallajerla R.F. The Purpose for which the Forest Area required and other details are shown below.

| Range      | Section            | Beat            | Compt<br>no | Locatio<br>n No | RF Block   | RF<br>Block<br>area<br>in Ha., | Area<br>proposed<br>for<br>diversion<br>in Ha, | purpose for<br>which land<br>required   |
|------------|--------------------|-----------------|-------------|-----------------|------------|--------------------------------|--|---|
|            | <b>Package - 1</b> |                 |             |                 |            |                                |  |   |
| Kannapuram | LND Peta           | Karakapadu      | 107         | 1               | Karakapadu | 649.12                         | 65.14  | Main Canal, Link Canals,                |
|            |                    |                 | 106         | 2               |            |                                |  | Formation                               |
|            |                    |                 |             | 3               |            |                                |  | Bunds and pressure main                 |
| JRGudem    | Mulagalam palli    | Mulagalam palli | 154         | 4               | Bedadanuru | 5955.82                        | 48.69  | Jalleru Bund, Spill Channel             |
|            |                    | Mulagalam palli | 155         | 5               |            |                                | 21.680   | Jalleru Bund                            |
|            |                    | Mulagalam palli | 156         | 6               |            |                                | 60.740   | Main Canal, Jalleru Bund, Spill Channel |
|            | Kamaiahapalem      | Kamaiahapalem   | 140         | 7               |            |                                | 0.330  | Saddlebund.                             |
|            |                    | Kamaiahapalem   | 141         | 8               |            |                                | 4.450  | Saddlebund                              |
|            | JRGudem            | Marlagudem      | 135         | 9               | Marlagudem | 870.08                         | 3.550  | D-3L on Branch Canal-2                  |
|            |                    |                 | 134         | 10              |            |                                | 10.530   | Branch Canal-2 and D-3L                 |
|            |                    |                 | 136         | 11              |            |                                | 3.180  | Distributory -3L on Branch Canal -2     |
|            |                    |                 |             |                 |            |                                | <b>218.29</b>                                  |   |

| Range   | Section                                  | Beat               | Compt<br>no | Loca<br>tion<br>No | RF Block           | RF<br>Block<br>area<br>in Ha., | Area<br>propose<br>d for<br>diversio<br>n in Ha, | purpose for<br>which land<br>required  |
|---------|--|--------------------|-------------|--------------------|--------------------|--------------------------------|--|--|
|         | <b>Package - 2</b>                       |                    |             |                    |                    |                                |  |  |
| JRGudem | JRGudem                                  | Darbhagudem        | 169         | 1                  | Darbhagudem        | 1430.57                        | 28.980   | Main canal,<br>Distributory-22<br>Distributory-23                            |
|         |  |                    | 167         | 2                  |                    |                                | 24.800   | Main canal,<br>Distributory-23   |
| Eluru   | Yerraguntapalli                          | Yerraguntapalli    | 178         | 4                  | Yerraguntapalli    | 3654.76                        | 16.730   | Main canal   |
|         | Chintalapudi                             | ARPalem            | 224         | 3                  | ARPalem            | 1317.67                        | 5.65   | Tail end branch<br>canal   |
|         | Chintalapudi                             | Velagalapalli      | 194         | 5                  | Chintalapudi       | 439.49                         | 26.85  | Tail end branch<br>canal   |
|         |  |                    | 195         | 6                  |                    |                                | 34.32  |  |
|         |  |                    | 226         | 7                  | Singagudem         | 314.04                         | 9.23   | Distributory -5R<br>on Major 3<br>Minor 3 on D5 of<br>M-3                    |
|         | Eluru                                    | Bhogole            | 228         | 8                  | Bhogole            | 1659.21                        | 5.31   | Distributory-8 on<br>Major 3   |
|         |  |                    | 229         | 9                  |                    |                                |  |  |
|         | Eluru                                    | Ramasingavar<br>am | 200         | 10                 | Ramasingava<br>ram | 1341.55                        | 10.67  | Major 3 Canal<br>Distributory-18<br>R on M3                                  |
|         |  |                    | 201         | 11                 |                    |                                | 27.37  | Major 3 Canal<br>Distributory-19 L<br>on M3 and<br>1R Minor on D19<br>on M 3 |
|         | Eluru                                    | Thadikalapudi      | 204         | 12                 | Thadikalapudi      | 851.87                         | 14.22  | Distributory-5 R<br>of major-4   |
|         |  |                    | 206         | 13                 |                    |                                | 0  | Distributory-5 R<br>of major-4   |
|         |  |                    | 207         | 14                 |                    |                                | 19.42  | Distributory-5 R<br>of major-4 and<br>Minor 9, 10, 12,<br>13 of D-5 of M-4   |
| Eluru   | Nallajerla                               | Dubacherla         | 215         | 15                 | Nallajerla         | 2173.19                        | 2.69   | D-TE on major-4  |
|         |  | Dubacherla         | 210         | 16                 |                    |                                | 1.86   | D-TE on major-4  |
|         |  | Dubacherla         | 209         | 17                 |                    |                                | 5.61   | D-TE on major-4  |
|         |  | Nallajerla         | 212         | 18                 |                    |                                | 12.75  | D-TE on major-<br>4, minor-5 on D-<br>TE on major-4                          |
|         |  | Nallajerla         | 211         | 19                 |                    |                                | 4.43   | 3R minor of D-TE<br>of major-4   |
|         |  | Nallajerla         | 211         | 19                 |                    |                                | 4.43   | 3R minor of D-TE<br>of major-4   |
|         | <b>Phase - 2 total</b>                   |                    |             |                    |                    |                                | <b>250.89</b>                                    |  |
|         | <b>Phase - 1 and<br/>Phase - 2 total</b> |                    |             |                    |                    |                                | <b>469.18</b>                                    |  |

The Above areas were inspected on different dates and the details of the sitewise inspection are as follows.

**Date of inspection: 26.11.2015**

**Name of the Reserve Forest Block visited: Singagudem Forest Block.**

To day I have visited Singagudem Forest Block in Eluru Range and inspected the areas proposed to be diverted for the purpose of Chintalapudi Lift Irrigation scheme Project. The Singagudem forest block is under the administrative control of Forest Beat Officer, Velagapally Beat of Chintalapudi Section of Eluru Range. There is 1 compartment in Singagudem Forest block Forest. The area of Singagudem Forest Block is 314.04 ha. Singagudem Forest block was notified U/s 4 of A.P. Forest Act, 1967 vide G.O.Ms.no.2107 F&Ag, Dt.24.11.1969. The Topography of these forest blocks is plain and gentle slope. The type of forest in these blocks is Dry Deciduous Scrub Forests. The canopy density is around 0.3 with an average crop height of 5m.

The tree species predominantly seen in the Block are *Acacia sundra* (Sundra), *Acacia leucophloea* (Tella tumma), *chloroxylon swietenia* (Billudu), *Albizia amara* (Nallaregi), *Dalbergia paniculata* (Pachari), *Mimosops hexandra* (Pala), *Diospyros melanoxylon* (Tuniki), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru), *Sapindus emarginatus* (Kunkudu), *Strychnos nux-vomica* (Mushti) and *Bauhinia racemosa* (Are) etc.,

The Forest department have raised plantations in this block over an extent of 150.00ha.

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, one VSS was formed in Singagudem Forest block with the villagers of Kothapalli of T.Narasapuram, Mandal formed during 1998, an area of 314.04ha was allotted to the VSSs for protection and Management.

In Singagudem Forest Block, as shown in the map, forest over an area all along RF boundary admeasuring 9.23 ha, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment No.226 (1 compartment) is proposed to be diverted for the purpose of Chintalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or Faunal species likely to be effected because of the project. The most common wildlife species in these areas are *Lepous negricolis* (Hare/Kundelu), *Presbytis entellus* (Langur/Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt 13.09.2004. Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs.Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                      |
|--|--|---------------------------------|---|---------------------------------------|----------------------------------|--------------------------------------|
| 9.23   | 0.3  | 0                               | 0   | 0                                     | 350.943                          | 51,96,490/-<br>(@Rs.563000/<br>- ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru



**Date of inspection: 26.11.2015**

**Name of the Reserve Forest Block visited: Chintalapudi RF.**

To day I have visited Chintalapudi Reserve Forest in Eluru Range and inspected the areas proposed to be diverted for the purpose of Chintalapudi Lift Irrigation scheme Project. The Chintalapudi RF is under the administrative control of Forest Beat officer, Velagapally Beat of Chintalapudi Section of Eluru Range. There are total 3 compartments in Chintalapudi Reserved Forest. The area of Chintalapudi RF is 439.49 ha. Chintalapudi Reserve Forest was notified under section 16 of Madras Forest Act, 1882 vide notification no.309, dt.05.05.1890. The Topography of the forest block is plain and gentle slope. The type of forest in this block is Dry Deciduous Scrub Forests. The canopy density is around 0.3 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Acacia sundra* (Sundra), *Acacia leucophloea* (Tella tumma), *chloroxylon swietenia* (Billudu), *Albizia amara* (Nallaregi), *Dalbergia paniculata* (Pachari), *Mimosops hexandra* (Pala), *Diospyros melanoxylon* (Tuniki), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru), *Sapindus emarginatus* (Kunkudu), *Strychnos nux-vomica* (Mushti) and *Bauhinia racemosa* (Are) etc.,

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, 3 VSSs ie Chintalapudi, Fathimapuram and Nagireddygudem were formed during 1997, 1998 in Chintalapudi RF with the villagers of Chintalapudi, Fathimapuram, Nagireddygudem of Chintalapudi mandal. An area of 520.35 ha of forest in Chintalapudi RF was allotted to the VSSs for protection and Management.

In this block an area of 147.92ha was leased to APFDC.

Forest Department has raised Plantations over an extent of 271.00ha. in this RF

In this Chintalapudi RF, an area all along RF boundary admeasuring 61.17ha, as shown in the map, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment Nos. 194 to 196 (3 compartments) are proposed to be diverted for the purpose of Chintalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the project. There is no major wildlife species. The most common wildlife species in these areas are *Lepous negricolis* (Hare / Kundelu), *Presbytis entellus* (Langur / Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monetary terms. Apart from it Interms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt13.09.2004. Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                   |
|--|--|----------------------------------|---|---------------------------------------|----------------------------------|-----------------------------------|
| 61.17  | 0.3  | 0                                | 0   | 0                                     | 2325.806                         | 3,44,38,710/-<br>(@Rs.563000/-ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru

**Date of inspection: 26.11.2015**

**Name of the Reserve Forest Block visited: Yerraguntapally RF.**

To day I have visited Yerraguntapally Reserve Forest in Eluru Range and inspected the areas proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The Yerraguntapally Reserve Forest is under the administrative control of the Forest Beat Officer, Yerraguntapalli of Yerraguntapalli Section of Eluru Range. There are 9 compartments in Yerraguntapally Block. The area of Yerraguntapally RF is 3654.76 ha and it was notified under Section 16 of Madras Forest Act 1882 vide Notification no.586, dt.24.07.1890. The Topography of the Reserve Forest is plain and gentle slope. The type of forest is Dry Deciduous Scrub Forests. The canopy density is around 0.3 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Acacia sundra* (Sundra), *Acacia leucophloea* (Tella tumma), *chloroxylon swietenia* (Billudu), *Albizia amara* (Nallaregi), *Dalbergia paniculata* (Pachari), *Mimosops hexandra* (Pala), *Diospyros melanoxylon* (Tuniki), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru), *Sapindus emarginatus* (Kunkudu), *Strychnos nux-vomica* (Mushti) and *Bauhinia racemosa* (Are) etc.,

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, 9 VSS were formed during 1996 to 1998 in Erraguntapally block with the villagers of Kandrikagudem, Pantangulagudem, Erraguntapally of Chintalapudi Mandal; Kolluvarigudem, Makkinavarigudem, Kommugudem, Krishnapuram of T.Narasapuram mandal. Forest area of 2585.86 ha in 8 Compartments of Yerraguntapally Reserve Forest was allotted to the VSSs for protection and Management.

The Forest department have raised plantations in this RF over an extent of 499.00ha.

In this Yerraguntapally RF, forest over an area all along RF boundary admeasuring 16.560ha, as shown in the map, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment Nos.170 to 178, (9 compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the project. There is no major wildlife species. The most common wildlife species in these areas are *Axis axis* (spotted deer), *Lepous negricolis* (Hare / Kundelu), *Presbytis entellus* (Langur / Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monitory terms. Apart from it interms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt.13.09.2004. Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environ-mental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                        |
|--|--|----------------------------------|---|---------------------------------------|-----------------------------------|--|
| 16.730 ha  | 0.3  | 0                                | 0   | 0                                     | 636.108                           | Rs.94,18,990/-<br>(@Rs.563000/<br>- ha |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru





**Date of inspection: 26.11.2015**

**Name of the Reserve Forest Block visited: Allamcherlarajupalem Forest Block.**

To day I have visited Allamcherlarajupalem Forest block in ARPalem beat of Chintalapudi Section in Eluru Range and inspected the areas proposed to be diverted for the purpose of Chintalapudi Lift Irrigation scheme Project. This Forest block is under the administrative control of the Forest Beat Officer, ARPalem of Chintalapudi Section of Eluru Range. There are total 3 compartments in this block. The area of Allamcherlarajupalem Forest block is 1317.67 ha. Allamcherlarajupalem Forest block was notified under Section 4 of A.P. Forest Act, 1967 vide G.O.Ms.no.23, F&Ag, dt.06.01.1970. The Topography of the forest block is plain and gentle slope. The type of forest in this block is Dry Deciduous Scrub Forests. The canopy density is around 0.3 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Acacia sundra* (Sundra), *Acacia leucophloea* (Tella tumma), *chloroxylon swietenia* (Billudu), *Albizia amara* (Nallaregi), *Dalbergia paniculata* (Pachari), *Mimosops hexandra* (Pala), *Diospyros melanoxylon* (Tuniki), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru), *Sapindus emarginatus* (Kunkudu), *Strychnos nux-vomica* (Mushti) and *Bauhinia racemosa* (Are) etc.,

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, 6 VSS were formed in Allamcherlarajupalem forest block with the villagers of ARPalem, Kothagudem of T.Narasapuram Mandal; Gollagudem, Jeelakarragudem, Kamavarapukota and Kondagudem of Kamavarapukota mandal during 1997 to 1999 and forest area of 682.67ha in 3 Compartments were allotted to the VSSs for protection and Management.

The Forest department have raised plantations in this RF over an extent of 115.00ha.

In this Allamcherlarajupalem forest block an area of 5.65ha all along RF boundary, as shown in the map, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment No.224 is proposed to be diverted for the purpose of Chintalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the Submergence of the forest land. There is no Major wildlife species present in this block. The most common wildlife species in this area are *Lepous negricolis* (Hare / Kundelu), *Presbytis entellus* (Langur / Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monitory terms. Apart from it interms of the orders issued in G.O.Ms.No.105 of EFS&T (For-I) Department dt.13.09.2004. Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environ-mental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                       |
|--|--|----------------------------------|---|---------------------------------------|-----------------------------------|---------------------------------------|
| 5.65 ha  | 0.3  | 0                                | 0   | 0                                     | 214.8243                          | 31,80,950/-<br>(@Rs.563000/<br>- ha). |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru



**Date of inspection : 27.11.2015**

**Name of the Reserve Forest Block visited : Karakapadu RF Block**

To day I have visited Karakapadu Reserve Forest Block in Kannapuram Range and inspected the area proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The RF Block is under the administration control of Forest Beat officer, Karakapadu Beat of LND Peta Section. There are total 2 compartments in the Block. The area of the RF Block is 649.12ha notified under Section 15 of A.P. Forest Act 1967 vide G.O.Ms. no.253, F&RD, dt.21.05.1981. The topography of the land is plain to moderate slope. The type of forest in this block is Southern tropical secondary dry deciduous forest. The canopy density is around 0.6 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Terminalia tomentosa* (Nalla Maddi), *Lagerstromia parviflora* (Chennangi), *Strychnus nuxvomica* (Musti), *Lannea coromandelica* (Gumpena), *Garuga pinnata* (Garugudu), *Chloroxylon Sweitenia* (Billudu), *Hardwickia binata* (Narayepi), *Anogeissus acuminate* (Paachi), *Terminalia paniculata* (Chirumanu), *Cleistanthus Collinus* (Kodisa), *Pterospermum canescens* (Loluga), *Mimosops hexandra* (Pala), *Tamarindus indica* (Chintha), *Xylia xylocarpa* (Konda Thangedu), *Memecylon edule* (Alli), *Morus australis* (Puchika), *Feronia elephantum* (Velaga).

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, 3 VSS were formed in this block with the villagers of Butchampeta, Karakapadu and Muddappagudem of Gopalapuram Mandal during 1993 & 1996 and forest area of 397.50ha in 2 Compartments was allotted to these VSSs for protection and Management.

The Forest department has raised plantations in this RF over an extent of 115.00ha.

In this RF (Karakapadu RF Block) as shown in the map forest over an area all along RF boundary admeasuring 65.14 ha., as measured jointly by the Forest Department and Irrigation Department, in Compartment Nos. 106 to 107 (2 Compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the Submergence of the forest land. There is no Major wildlife species present in this block. The most common wildlife species in this area are Deer, Hare, Kondamuchu and monkeys.

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary and National Park in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Kannapuram Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in G.O.Ms.No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha. | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                     |
|---|--|----------------------------------|---|---------------------------------------|----------------------------------|-------------------------------------|
| 65.14   | 0.6  | 0                                | 0   | 0                                     | 4953.50616                       | 5,23,07,420<br>(@Rs.803000/-<br>ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

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Divisional Forest Officer,  
Eluru Division, Eluru

*See*

**Date of inspection : 27.11.2015**

**Name of the Reserve Forest Block visited: Bedanuru RF Block**

To day I have visited Bedadanuru Reserve Forest Block in Jangareddigudem Range and inspected the area proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. This RF block is adjoining to Nagavaram Mutta RF on Eastern side and Lankalapalli RF in Western side. The RF Block is under the administration control of Forest Beat officer, Kamaiahapalem Beat of Kamaiahapalem Section and Mulagalampalli Beat of Mulagalampalli Section. There are total 19 compartments in the Block. The area of the RF Block is 5955.82ha notified under Section 16 of Madras Forest Act 1882 vide notification no.17 dt.17.12.1897. The Topography of the land is plain to moderate slope. The type of forest in this block is Southern tropical secondary dry deciduous forest. The canopy density is around 0.3 with an average crop height of 6m. As per the block history there were departmental and APFDC Plantations present in the block which are to be extracted in near future and rest is Natural Forest.

The tree species predominantly seen in the Block are *Terminalia tomentosa* (Nalla Maddi), *Lagerstromia lanceolata* (Chennangi), *Strychnus nuxvomica* (Musti), *Lannea coromandelica* (Gumpena), *Garuga pinnata* (Garugudu), *Chloroxylon Swietenia* (Billudu), *Hardwickia binata* (Narayepi), *Anogeissus acuminate* (Paachi), *Terminalia paniculata* (Chirumanu), *Cleistanthus Collinus* (Kodisa), *Pterospermum canescens* (Loluga), *Mimosops hexandra* (Pala), *Tamarindus indica* (Chintha), *Xylia xylocarpa* (Konda Thangedu), *Memecylon edule* (Alli), *Morus australis* (Puchika), *Feronia elephantum* (Velaga)

With the introduction of concept of JFM in order to ensure the peoples participation in protection and management of the Forests in this block 21 VSS were formed with the villagers of Jeelugumilli and Buttaigudem Mandals during 1995, 1997 & 1998 and forest area of 5955.82 ha in 19 no. of Compartments was allotted to the VSS for protection and Management.

In this RF (Bedadanuru RF Block) as shown in the map forest over an area all along RF boundary admeasuring 135.89 ha., as measured jointly by the Forest Department and Irrigation Department, in Compartment Nos. 140, 141, 154, 155 and 156 (5 Compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

The Forest Department have raised Plantations over an extent of 1020.50ha in this RF.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the Submergence of the forest land. There is no Major wildlife species present in this block. The most common wildlife species in this area are Deer, Hare, Kondamuchu and monkeys.

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary and National Park in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Jangareddigudem Range.

The environment losses shall also be quantified in monitory terms. Apart from it interms of the orders issued in G.O.Ms.No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha. | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                     |
|---|--|----------------------------------|---|---------------------------------------|----------------------------------|-------------------------------------|
| 135.89  | 0.30   | 0                                | 0   | 0                                     | 5166.80958                       | 109119670/-<br>(@Rs.803000/-<br>ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
EluruDivision,Eluru



**Date of inspection: 27.11.2015**

**Name of the Reserve Forest Block visited: Darbhagudem RF:**

To day I have visited Darbhagudem Reserve Forest Block in Jangareddigudem Range and inspected the areas proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The RF Block is under the administration control of Forest Beat Officer, Darbhagudem of Jangareddygudem Section of Jangareddigudem Range. There are total 5 compartments in Darbhagudem block. The area of Darbhagudem RF Block is 1430.57ha notified under Section 16 of Madras Forest Act 1882 vide notification no.848 dt.15.12.1899. The Topography of the land is plain to moderate slope. The type of forest in this block is Southern tropical secondary dry deciduous forests. The canopy density is around 0.3 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Terminalia tomentosa* (Nalla Maddi), *Lagerstromia lanceolata* (Chennangi), *Strychnus nuxvomica* (Musti), *Lannea coromandelica* (Gumpena), *Garuga pinnata* (Garugudu), *Chloroxylon Sweitenia* (Billudu), *Hardwickia binata* (Narayepi), *Anogeissus acuminate* (Paachi), *Terminalia paniculata* (Chirumanu), *Cleistanthus Collinus* (Kodisa), *Pterospermum canescens* (Loluga), *Mimosops hexandra* (Pala), *Tamarindus indica* (Chintha), *Xylia xylocarpa* (Konda Thangedu), *Memecylon edule* (Alli), *Morus australis* (Puchika), *Feronia elephantum* (Velaga)

With the introduction of JFM concept, in order to ensure the peoples participation in protection and management of the Forests, 8 VSSs with the villagers of Appalarajugudem, Gangineedupalem, Pakalagudem, in T.Narsapuram Mandal; Darbhagudem, Sirrivarigudem, Kothapanduvarigudem and Ramanakkapeta VSSs in Jeelugumilli mandal; A.Polavaram VSS in JRGudem mandal were formed during 1996, 1997, 1998 & 1999. Forest area over an extent of 744ha in 5 Compartments was allotted to the VSS for protection and Management.

In this block an area of 656.58ha was leased to APFDC.

The Forest department has raised plantations over an extent of 441.44ha in this RF.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the Submergence of the forest land. There is no Major wildlife species present in this block. The most common wildlife species in this area are Deer, Hare, Kondamuchu and monkeys.

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary and National Park in the forest area proposed to be diverted.

In Darbhagudem RF forest over an area all along RF boundary admeasuring 53.78 ha., as shown in the map and as measured jointly by the Forest Department and Irrigation Department, in Compartment Nos. 167 & 169 (2 Compartments) is proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Jangareddigudem Range.

The environment losses shall also be quantified in monetary terms. Apart from it interms of the orders issued in G.O.Ms.No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha. | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environ mental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                    |
|---|--|----------------------------------|---|---------------------------------------|-----------------------------------|------------------------------------|
| 53.78   | 0.3  | 0                                | 0   | 0                                     | 2044.82316                        | 43185340/-<br>(@Rs.803000/-<br>ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

*P.S.*  
Divisional Forest Officer,  
Eluru Division, Eluru

*See*



**Date of inspection: 27.11.2015**

**Name of the Reserve Forest Block visited: Marlagudem RF Blocks**

To day I have visited Marlagudem Reserve Forest Block in Jangareddigudem Range and inspected the areas proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. This RF Block is under the administrative control of Forest Beat Officer, Marlagudem of Jangareddygudem Section of Jangareddigudem Range. There are total 4 compartments in Marlagudem RF. The area of Marlagudem RF is 870.08 ha notified under Section 16 of Madras Forest Act 1882 vide notification no.304 dt.23.06.1898. The Topography of the land is plain to moderate slope. The type of forest in these blocks is Southern tropical secondary dry deciduous forests. The canopy density is around 0.3 with an average crop height of 6m. An area of 138.45ha in this RF was leased to APFDC.

The tree species predominantly seen in the Block are *Terminalia tomentosa* (Nalla maddi), *Lagerstromia parviflora* (Chennangi), *Strychnus nuxvomica* (Musti), *Lannea coromandelica* (Gumpena), *Garuga pinnata* (Garugudu), *Chloroxylon Sweitenia* (Billudu), *Hardwickia binata* (Narayepi), *Anogeissus acuminate* (Paachi), *Terminalia paniculata* (Chirumanu), *Cleistanthus Collinus* (Kodisa), *Pterospermum canescens* (Loluga), *Mimosops hexandra* (Pala), *Tamarindus indica* (Chintha), *Xylia xylocarpa* (Konda Thangedu), *Memecylon edule* (Alli), *Morus australis* (Puchika), *Feronia elephantum* (Velaga)

With the introduction of JFM concept, in order to ensure the peoples participation in protection and management of the Forests, 9 VSS with the villagers of Marlagudem, Busarajupalli, Krishnapuram, Lakshmudugudem, Paidavarigudem and Jainavarigudem of Buttaigudem Mandal and Akkampeta, Markandeyapuram and JRGudem Villagers of Jangareddygudem Mandal were formed during 1995 & 1998 and forest area of 628.76 ha in 4 Compartments was allotted to these VSSs for protection and Management.

The Forest department has raised plantations over an extent of 308.50ha in this RF.

In Marlagudem RF Block, forest over an area all along RF boundary admeasuring 17.26 ha as shown in the map and as measured jointly by the Forest Department and Irrigation Department, in Compartment Nos. 134 to 137 (4 Compartments) is proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the Submergence of the forest land. There is no Major wildlife species present in this block. The most common wildlife species in this area are Deer, Hare, Kondamuchu and monkeys.

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary and National Park in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Jangareddigudem Range.

The environment losses shall also be quantified in monetary terms. Apart from it interms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha. | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environ-mental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                    |
|---|--|----------------------------------|---|---------------------------------------|-----------------------------------|------------------------------------|
| 17.26   | 0.3  | 0                                | 0   | 0                                     | 656.2597                          | 1,38,59,780/-<br>(@Rs.803000/- ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
EluruDivision,Eluru



**Date of inspection : 28.11.2015**

**Name of the Reserve Forest Blocks visited : Tadikalapudi RF Block**

To day I have visited Tadikalapudi Reserve Forest Block in Eluru Range and inspected the area proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The RF Block is under the administration control of Forest Beat officer, Tadikalapudi Beat of Eluru Section of Eluru Range. There are total 4 compartments in the Block. The area of the RF Block is 851.87 ha., was notified under Section 16 of Madras Forest Act 1882 vide Notification no 446 Dt.16.06.1890 as RF. The Topography of the land is plain with gentle slope. The type of forest in this block is Dry deciduous scrub forests. The canopy density is around 0.3 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Memecylon edule* (Alli), *Carsia spinarum* (Vaka), *Mimosops hexandra* (Pala), *Diospyros sylvatica* (Tellagatha), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru) etc.,

With the introduction of concept of JFM in order to ensure the peoples participation in protection and management of the Forests, 8 VSS were formed in this block with the villages of Adamilli, Ankalampadu, Chinnamraopaem, Jalapavarigudem, Ratnagirinagar, Sagipadu, Tadikalapudi and Veerisettygudem. of Kamavarapukota Mandal during 1997 and 1998 and forest area of 557.32ha in 4 Compartments was allotted to the VSS for protection and Management.

An area of 535.00 ha was leased-out to APFDC Ltd from this RF.

The Forest department has raised plantations over an extent of 225.00ha in this RF.

There two central nurseries in this RF ie one is of S.F. Division, Eluru and the other one is of (T) Division, Eluru.

In this Tadikalapudi RF, forest over an area all along RF boundary admeasuring 33.64 ha., as shown in the map, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment Nos. 204 to 207 (4 Compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or Faunal species likely to be effected because of the project. The most common wildlife species in these areas are *Presbytis entellus* (Langur/ Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                       |
|--|--|----------------------------------|---|---------------------------------------|----------------------------------|---------------------------------------|
| 33.64 ha   | 0.3  | 0                                | 0   | 0                                     | 1279.060                         | 1,89,39,320/-<br>(@Rs.563000/-<br>ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru



**Date of inspection : 28.11.2015**

**Name of the Reserve Forest Blocks visite : Nallajerla RF Block**

To day I have visited Nallajerla Reserve Forest Block in Eluru Range and inspected the area proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The RF Block is under the administrative control of Forest Beat officer, Nallajerla Beat (for Nallajerla village limits forest) of Nallajerla Section and Forest Beat Officer, Dubacherla beat (for Dubacherla village limits forest) of Nallajerla section of Eluru Range. There are total 7 compartments (209 to 215) in the Block. The area of the RF Block is 2173.19 ha., was notified under Section 16 of Madras Forest Act 1882 vide Notification no 812 Dt.16.12.1895 as RF. The Topography of the land is plain with gentle slope. The type of forest in this block is Tropical Dry Ever Green Scrub Forest. The canopy density is around 0.3 with an average crop height of 4m.

An extent of 1915.40ha of this Forest block was leased to APFDC in which the APFDC authorities have raised Plantations.

In the balance area, Forest department have raised plantations over an extent of 246.40ha in this RF.

These plantations of both APFDC and department present in the block are to be extracted in near future.

The tree species predominantly seen in the Block are *Memecylon edule* (Alli), *Carsia spinarum* (Vaka), *Mimosops hexandra* (Pala), *Diospyros sylvatica* (Tellagatha), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru) etc.,

With the introduction of concept of JFM in order to ensure the peoples participation in protection and management of the Forests, 4 VSS were formed in this block with the villagers of Ayyavaram, Cheepurugudem, Dubacherla and G.Kothapalli of Nallajerla Mandal during 1998 and forest area of 399.69\_ha in 5 Compartments was allotted to the VSS for protection and Management.

In this Nallajerla RF, forest over an area all along RF boundary admeasuring 27.34 ha, as shown in the map, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment Nos. 210, 211 213, 214 and 215 (5 Compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or Faunal species likely to be effected because of the project. The most common wildlife species in these areas are *Presbytis entellus* (Langur/ Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt 13.09.2004. Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                       |
|--|--|----------------------------------|---|---------------------------------------|----------------------------------|---------------------------------------|
| 27.34 ha   | 0.3  | 0                                | 0   | 0                                     | 1039.521                         | 1,53,92,420/-<br>(@Rs.563000/-<br>ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru

**Date of inspection: 30-11-2015**

**Name of the Reserve Forest Block visited: Bhogolu Forest Block**

To day I have visited Bhogolu Forest Block in Eluru Range and inspected the areas proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The Bhogolu forest block is adjoining to Ramasingavaram RF. The Bhogole forest block is under the administrative control of Forest Beat Officer, Bhogolu Beat of Eluru Section of Eluru Range. There are total 4 compartments in Bhogolu Block. The area of the Bhogolu Block is 1659.21 ha., Bhogolu Forest Block was notified under Section 4 of A.P. Forest Act 1967 vide G.O.Ms.no.3 F&Ag, Dt.03.01.1970. The Topography of the forest block is plain. The type of forest in this block is Tropical Dry Evergreen Scrub Forests. The canopy density is around 0.3 with an average crop height of 5m.

The tree species predominantly seen in the Block are ***Memecylon edule* (Alli), *Carsia spinarum* (Vaka), *Mimosops hexandra* (Pala), *Diospyros sylvatica* (Tellagatha), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru), *Xylia xylocarpa* (Konda tangedu), *Terminalia alata* and *Mangifera indica* (Mamidi) etc.,**

An extent of 471.62 ha was leased out to the APFDC Ltd from this RF.

The Forest department has raised plantations over an extent of 348.40ha in this area.

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, 5 VSS were formed in Bhogolu block with the villagers of Bhogolu, Kalarayanagudem, Mudicherla, Mulagalampadu and Vemulapalli of Lingapalem Mandal during 1997 and 1998 and forest area over an extent of 1110.13 ha was allotted to the VSSs for protection and Management.

In this Bhogolu Forest block , forest over an area all along RF boundary admeasuring 5.31 ha as shown in the map and as jointly surveyed by the Forest Department and Irrigation Department, in Compartment Nos.199 to 201, (3 compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or Faunal species likely to be effected because of the project. The most common wildlife species in these areas are *Presbytis entellus* (Langur/ Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in GO Ms No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                  |
|--|--|----------------------------------|---|---------------------------------------|----------------------------------|----------------------------------|
| 5.31 ha  | 0.3  |                                  |   |                                       | 201.8968                         | 29,89,530/-<br>(@Rs.563000/- ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru



**Date of inspection: 30.11.2015**

**Name of the Reserve Forest Blocks visited: Ramasingavaram RF**

To day I have visited Ramasingavaram Reserve Forest Block in Eluru Range and inspected the areas proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The Ramasingavaram RF is adjoining to Bhogolu forest block. The Ramasingavaram forest block is under the administration control of Forest Beat officer, Ramasingavaram Beat of Eluru Section of Eluru Range. There are total 3 compartments in Ramasingavaram Reserved Forest. The area of Ramasingavaram RF is 1341.55 ha. Ramasingavaram Forest Block was notified under Section 16 of Madras Forest Act, 1882 vide Notification no 322 Dt.15.04.1891 as RF. The Topography of the forest block is plain. The type of forest in this block is Tropical Dry Evergreen Scrub Forests. The canopy density is around 0.3 with an average crop height of 5m.

The tree species predominantly seen in the Block are *Memecylon edule* (Alli), *Carsia spinarum* (Vaka), *Mimosops hexandra* (Pala), *Diospyros sylvatica* (Tellagatha), *Azadirachta indica* (Vepa), *Erythroxylum monogynum* (Devadaru), *Xylia xylocarpa* (Konda tangedu), *Terminalia alata* and *Mangifera indica* (Mamidi) etc.,

With the introduction of JFM concept in order to ensure the peoples participation in protection and management of the Forests, 5 VSS were formed in Bhogolu block with the villagers of Bhogolu, Kalarayanagudem, Mudicherla, Mulagalampadu and Vemulapalli; 8 VSS were formed in Ramasingavaram RF with the villagers of Badarala, Kondalaraopalem, Kuchimpudi, Nayampalli, Polasigudem, Ramasingavaram, Ratnalakunta and Rayannapalem of Lingapalem, Pedavegi and Kamavarapukota Mandals during 1997 and 1998 and forest area of 1110.13 ha in 4 Compartments of Bhogolu forest block and an area of 1008.26 was allotted to the 8 VSS for protection and Management.

An extent of 361.07 ha was leased to APFDC Ltd from this block.

The Forest department has raised plantations over an extent of 308.40ha in this RF.

In this Ramasingavaram RF, forest over an area all along RF boundary admeasuring 38.04 ha., as shown in the map, as jointly surveyed by the Forest Department and Irrigation Department, in Compartment Nos.199 to 201, (3 compartments) are proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

There is no endangered / specific / unique flora or Faunal species likely to be effected because of the project. The most common wildlife species in these areas are *Presbytis entellus* (Langur/ Kondamuchu) and *Macaca mulatta* (Kothi).

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary/ National Park / Bio-Sphere in the forest area proposed to be diverted.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Eluru Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in G.O.Ms.No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha., | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs). | NPV (Rs. Lakhs)                   |
|--|--|----------------------------------|---|---------------------------------------|-----------------------------------|-----------------------------------|
| 38.040 ha  | 0.3  |                                  |   |                                       | 1446.357                          | 2,14,16,520/-<br>(@Rs.563000/-ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

  
Divisional Forest Officer,  
Eluru Division, Eluru

**Date of inspection: 27.11.2015**

**Name of the Reserve Forest Block visited: Darbhagudem RF:**

To day I have visited Darbhagudem Reserve Forest Block in Jangareddigudem Range and inspected the areas proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project. The RF Block is under the administration control of Forest Beat Officer, Darbhagudem of Jangareddygudem Section of Jangareddigudem Range. There are total 5 compartments in Darbhagudem block. The area of Darbhagudem RF Block is 1430.57ha notified under Section 16 of Madras Forest Act 1882 vide notification no.848 dt.15.12.1899. The Topography of the land is plain to moderate slope. The type of forest in this block is Southern tropical secondary dry deciduous forests. The canopy density is around 0.3 with an average crop height of 6m.

The tree species predominantly seen in the Block are *Terminalia tomentosa* (Nalla Maddi), *Lagerstromia lanceolata* (Chennangi), *Strychnus nuxvomica* (Musti), *Lannea coromandelica* (Gumpena), *Garuga pinnata* (Garugudu), *Chloroxylon Sweitenia* (Billudu), *Hardwickia binata* (Narayepi), *Anogeissus accuminata* (Paachi), *Terminalia paniculata* (Chirumanu), *Cleistanthus Collinus* (Kodisa), *Pterospermum canescens* (Loluga), *Mimosops hexandra* (Pala), *Tamarindus indica* (Chintha), *Xylia xylocarpa* (Konda Thangedu), *Memecylon edule* (Alli), *Morus australis* (Puchika), *Feronia elephantum* (Velaga)

With the introduction of JFM concept, in order to ensure the peoples participation in protection and management of the Forests, 8 VSSs with the villagers of Appalarajugudem, Gangineedupalem, Pakalagudem, in T.Narsapuram Mandal; Darbhagudem, Sirrivarigudem, Kothapanduvarigudem and Ramanakkapeta VSSs in Jeelugumilli mandal; A.Polavaram VSS in JRGudem mandal were formed during 1996, 1997, 1998 & 1999. Forest area over an extent of 744ha in 5 Compartments was allotted to the VSS for protection and Management.

In this block an area of 656.58ha was leased to APFDC.

The Forest department has raised plantations over an extent of 441.44ha in this RF.

There is no endangered / specific / unique flora or faunal species likely to be effected because of the Submergence of the forest land. There is no Major wildlife species present in this block. The most common wildlife species in this area are Deer, Hare, Kondamuchu and monkeys.

There are no monuments of historical, religious, archeological, or recreational importance including Wildlife Sanctuary and National Park in the forest area proposed to be diverted.

In Darbhagudem RF forest over an area all along RF boundary admeasuring 53.78ha., as shown in the map and as measured jointly by the Forest Department and Irrigation Department, in Compartment Nos. 167 & 169 (2 Compartments) is proposed to be diverted for the purpose of Chinthalapudi Lift Irrigation scheme Project.

As the user agency has to pay the value of the tree growth being sacrificed, Net Present Value for the forest area being lost, and extraction charges of Timber and Fuel, the existing tree growth in this Block was enumerated by the Range staff of Jangareddigudem Range.

The environment losses shall also be quantified in monetary terms. Apart from it in terms of the orders issued in G.O.Ms.No.105 of EFS&T (For-I) Department dt.13.09.2004, Net Present Value also shall be calculated and expressed. As per these instructions and guidelines the values worked out are as follows.

| Extent of Forest area proposed for diversion in Ha. | Average Crop density in the area proposed to be diverted | Loss of Value of MFP (Rs. Lakhs) | Loss of AH productivity including loss of fodder (Rs.Lakhs) | Loss of Public facilities (Rs. Lakhs) | Environmental losses (Rs. Lakhs) | NPV (Rs. Lakhs)                   |
|---|--|----------------------------------|---|---------------------------------------|----------------------------------|-----------------------------------|
| 53.78   | 0.3  | 0                                | 0   | 0                                     | 2044.823                         | 4,31,85,340/-<br>(@Rs.803000/-ha) |

(NB: Source for calculation of Environmental losses is Annexure VI (b) item 5 from Compendium of Forest Conservation Act, 1980)

*P.S.*  
Divisional Forest Officer,  
Eluru Division, Eluru

*See*

## CERTIFICATE

**Certified that the following Forest lands proposed for diversion are inspected  
and inspection notes enclosed at page**

| S.no. | Range      | Section         | Beat            | Name of the RF  | Area in ha    |
|-------|------------|-----------------|-----------------|-----------------|---------------|
| 1     | 2          | 3               | 4               | 5               | 6             |
| 1     | Kannapuram | LND Peta        | Karakapadu      | Karakapadu      | 65.14         |
| 2     | JRGudem    | Mulagalampalli  | Mulagalampalli  | Bedadanuru      | 131.11        |
| 3     | JRGudem    | Kamaiahpalem    | Kamaiahpalem    | Bedadanuru      | 4.78          |
| 4     | JRGudem    | JRGudem         | Marlagudem      | Marlagudem      | 17.26         |
| 5     | JRGudem    | JRGudem         | Darbhadgudem    | Darbhadgudem    | 53.78         |
| 6     | Eluru      | Yerraguntapalli | Yerraguntapalli | Yerraguntapalli | 16.73         |
| 7     | Eluru      | Chintalapudi    | ARPalem         | ARPalem         | 5.65          |
| 8     | Eluru      | Chintalapudi    | Velagalapalli   | Chintalapudi    | 61.17         |
| 9     | Eluru      | Chintalapudi    | Velagalapalli   | Singagudem      | 9.23          |
| 10    | Eluru      | Eluru           | Bhogole         | Bhogole         | 5.31          |
| 11    | Eluru      | Eluru           | Ramasingavaram  | Ramasingavaram  | 38.04         |
| 12    | Eluru      | Eluru           | Tadikalapudi    | Tadikalapudi    | 33.64         |
| 13    | Eluru      | Nallajerla      | Dubacherla      | Dubacherla      | 4.55          |
| 14    | Eluru      | Nallajerla      | Nallajerla      | Nallajerla      | 22.79         |
|       |            |                 |                 |                 | <b>469.18</b> |

  
**Divisional Forest Officer,**  
**Eluru Division, Eluru**