

Field inspection notes of Sri B.K. Singh, I.F.S., Addl. Prl. Chief Conservator of
Forests, Wildlife Management Circle, Tirupati inSVNP Range, Tirupati on
17.08.2018

Inspection of area proposed for diversion for Balaji Reservoir:

Proceeded to Karakambadi beat of SVNP Tirupati Range in Wildlife Management Division, Tirupati along with the Divisional Forest Officer, WLM Division, Tirupati and his staff on 16.08.2018 afternoon for inspections of proposed Forest area for diversion for Balaji Reservoir. 476.66 Ha of Forest area is proposed for diversion for this Reservoir. The bund of the reservoir is falling outside Reserve Forest to the extent of 60%. Most of the area proposed for diversion is meant for submergence up to Full Reservoir level (FRL). The area proposed for diversion is on R.F. boundary covering Compt. Nos. 145, 146, 147, 148, 149 & 150 partly. The proposed area for diversion is at distance approximately 300 Mts. to 750 Mts. from the boundary of Sri Venkateswara Wildlife Sanctuary. Hence the Reservoir falls under Eco-sensitive Zone of Sri Venkateswara Wildlife Sanctuary.

The forest area comes under forest type 5 A i.e., Southern Dry mixed deciduous forest with a patch of evergreen forest and C-3 i.e., Southern dry mixed Thorny Scrub with 0.5 density having site quality V & VI. The proposed area for diversion in the foot hills of Seshachalam hill ranges having mostly plain terrain with one small hillock. The soil type is Red sandy loamy mixed with pebbles at places.

The main vegetation consists of *Hardwickia binata*, Neeruddi (*Dolchondrone crispa*), Jamun (*Syzygium cumini*), Pachari (*Dalbergia paniculata*), Reppala (*Wrightia tinctoria*), Chillamusthi (*Strychnos potatorum*), Musthi (*Strychnos nuxvomica*) and Bamboo (*Dendrocalamus strictus*). Red sanders (*Pterocarpus santalinus*) found on hillocks. Tuniki (*Diospyrous Melanoxylon*) and Gotti (*Zizyphus xylocarpus*) mixed with Billudu (*Chloroxylon swietenia*), are also found in the foot hills and hill slopes. The tree growth is enumerated girth wise in the area proposed for diversion. 48 Sample plots of 0.1 Ha each were laid in the area for collecting vegetation enumeration data. I have test checked the enumeration in plot No.9 and found the collected data to be correct.

As per enumeration details the total tree growth (316 Pole crop + 20 Trees) per Ha. As per the NPV guidelines the Net Present Value is 8.03 lakhs per Ha (Eco-Class-III, Dense Forest).

Prominent Fauna in the area includes Panther, Sloth bear, Spotted deer, Rabbits, Grey Jungle fowl and Wild dogs. Herds of elephants have also been noticed once in a while in this forest. Since the Reservoir is coming on the fringes of Karakambadi R.F., moisture regime of surrounding forests will improve substantially and the same will be beneficial for the Flora and Fauna present in the area.

2. Inspection of the area proposed for diversion for Mallemadugu Reservoir in Krishnapuram Reserve Forest of Krishnapuram Beat, SVNP, Tirupati Range of WLM Division, Tirupati:

This Reservoir is coming mostly outside Forest area except 118.09 Ha falling in Krishnapuram Reserve Forest. The area proposed for diversion 118.09 Ha is falling in parts of Compt. Nos. 153, 154 and 155. The vegetation density of this area is around 0.5 and is classified as 5 A- Southern mixed deciduous forest with scrub jungle. The proposed area falls in the foot hills of Veligonda hill ranges.

The main Fauna present are Spotted deer, Wild dogs, Peacocks, Jackal, Rabbit, Wild boar, Sloth bear, Grey Jungle fowl etc., The proposed area is situated at distance of 4.5 Kms from Sri Venkateswara Wildlife Sanctuary and hence it falls in the Eco-sensitive Zone of the said Sanctuary.

The main vegetation in the area consist of Musthi (*Strychnos nuxvomica*), Gotti (*Zizyphus xylocarpus*), Ullinda (*Crataeva nangna*), Thuniki (*Diospyros melanoxylon*), Adavigummadi (*Gmelina arborea*), Thandra (*Terminalia bellarica*) and Bamboo (*Dendrocalamus strictus*).

Based on the vegetation enumeration of the area (155 Pole crop + 29 Trees) per Ha and guidelines for calculation of Net Present Value issued by the Government of India NPV is fixed at 8.03 lakhs per Ha (Eco-Class-III, Dense Forest), as reported by the Divisional Forest Officer, WLM Division, Tirupati.

As the Reservoir is coming up outside forest area, presence of water at the boundary of Reserve Forest will ^{im}prove the ^{regime}moisture of the area and will be beneficial for flora and fauna found in the forest.

mxip 12/8/18
Addl. Prl. Chief Conservator of Forests,
Wildlife Management Circle,
#17/8/18 Tirupati.

Rc. No. 594 /2018/M8, Dt. .08.2018

To
The Divisional Forest Officer,
WLM Division, Tirupati.

Copy to the Forest Range Officer, S.V.N.P. Range, Tirupati for information and necessary action.

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DESPATCHER

DATE: 17.08.2018

Field inspection notes of S. Srisaravanan, I.F.S., Chief Conservator of
Forests, Wildlife Management Circle, Tirupati in Srikalahasti Range
Range of Chittoor East Division on 26.08.2018

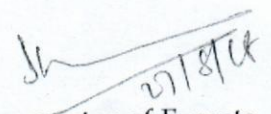
Inspection of Forest area proposed for diversion of Kailasagiri main canal taking off
from Mallemadugu Reservoir :

Proceeded to Srikalahasthi Range of Chittoor East Division on 26.08.2018
afternoon and inspected the forest area proposed for diversion of Kailasagiri main
canal taking off from Mallemadugu Reservoir. The proposed area for diversion for
the Kalaisagiri canal is 136.13 Ha. In Ramapuram RF and Nagalapuram RF in Tirupati,
Srikalahasthi and Puttur ranges of Chittoor East Division of Wildlife Management
Circle, Tirupati.

The dominant vegetation here are *Chloroxylon swietenia*, *Terminalia chebula*,
Lannea coromandelica and *Pterocarpus santalinus*. Predominant Wildlife found in this
area are Spotted deer, Sambar and Wild dog. The proposed forest area for diversion
does not fall in any Sanctuary or National Park.

Inspected Plot 4 in Compt. No. 202 of Ramapuram EF, Ramapuram Beat,
Ragikunta Section. The GPS co-ordinates of this plot are 13.65857, 79.68197 in WGS 84
datum. Test checked the enumeration of trees in plot 4 and found correct.

There is no major impact of the project on the flora and fauna except felling of
trees particularly Red Sanders as per the sample plot data.


Chief Conservator of Forests,
Wildlife Management Circle,
Tirupati.

Rc. No.655/2018/M8,Dt.27.08.2018

To

The Divisional Forest Officer,
WL Division, Chittoor East.

Copy to the Forest Range Officer, Srikalahasthi Range for information and necessary
action.