

Site Inspection Report of the Divisional Forest Officer, Paloncha in respect of 447.21 Ha of Forest Land proposed for diversion to Opencast II extension Project (Phase-II), of M/s. Singareni Collieries Company Ltd., Manuguru.

Inspected the site of the area of 447.21 Ha proposed for diversion in compartment Nos. 41,42 and 43 of Kondaigudem block of Bayyaram Range of and 3,4 & 13 of Kondapuram RF of Ashwapuram Range in Paloncha division on 11.11.2013 & 12.11.2013. There is already a sanctioned Project - Opencast expansion Project-II (Phase-II), Manuguru over an area of 175.69 Ha. in Kondapur RF adjacently as shown on the map vide GOI, MOEF Lr. No. 8-7/2008-FC, Dt.30.12.2008, which was active in extracting the coal.

The proposed area of diverted forest land falls in scheduled area of Manuguru Mandal of Pinapaka Assembly constituency. The area is located in Pagideru, Grama Panchayat at a distance of 4kms.

The user agency reports that the Diversion includes removal of overburden, coal extraction and for implementation of reclamation plan and to continue the levels of production and to meet the demand of coal. The proposed Project area is located in the west side of existing opencast expansion Project-II (Phase-I), Manuguru covering an area of 447.21 ha. The terrain is undulating and sloppy towards north and north east from contour 838 to 792 Mts.

FLORA:

The existing forest in the area is of southern tropical dry deciduous forests. The tree growth standing in the area is of misc. species with a crown density ranging from 0.4 to 0.6 and average density is 0.5. The average height is 6 to 10 Mts. The species found are Gumpena (*Lannea coromandelica*) Bojja (*Xylia xylocarpa*), Billudu (*Chloroxylon swietenia*), Maddi (*Terminalia tomentosa*), Pala (*Holorhaena antidysentrica*), Thiruman (*Anogeissus latifolia*), Thuniki (*Diospyros melanoxylon*) etc.,

EXISTING TREE GROWTH:

The vegetation of area comes under Eco-Class-III, density of vegetation is around 0.4 to 0.6 and average density is 0.5. The existing tree growth is with Misc., species such as *Gumpena*(*Lannea Coromandelica*), *Bojja* (*Xylia xylocarpa*), *Billudu*(*Chloroxylon Swietenia*),*Maddi* (*Terminalia tomentosa*), *Pala* (*Holorhaena antidysenterca*), *Thiruman* (*Anogeissus latifolia*), *Thuniki* (*Diospyros melanoxylon*) etc.

FAUNA:

The common wildlife that is generally found in and around the adjacent forest is common hare, wild boar (*Sus serofa*) and spotted deer (*Axis axis*) and common reptiles. Indian gaur is seen in the adjoining area. No specific rare /endangered unique species of flora and fauna is found in the proposed forest area.

The proposed Forest Land is at a distance of 5.8 Kms from the boundary of Kinnerasani Wild Life sanctuary.

No protected Archaeological/Heritage site and defence establishment or any other important monuments are located in the proposed area for diversion. certificate enclosed.

No VSS areas or Plantations are falling in the proposed area for diversion.

Enumeration of Natural Forest :

Enumeration of Tree growth has been carried out by (13) Sample plots. Hence the same sample plot information is taken in to consideration for arriving the quantum of forest produce. The tree growth in sample plots were test checked after test checking of the concerned Sub-Divisional Forest Officer, Manuguru & Forest Range Officers concerned. The abstract of enumeration details and cost of extraction charges are enclosed to the proposals. All the standing growth 447.21 Ha of area earmarked is to be extracted after the stage II clearance. The degraded area identified, towards CA may be developed by adopting suitable Afforestation measures by using local species at the cost of User Agency at the technical know-how of the Forest authorities.

C.A. Area:

The principal Chief Conservator of Forests, A.P., Hyderabad vide Rc.No.8525/2013/F1(i), Dt:13.05.2013 has informed that the GOI, MoEF, New Delhi, Lr.No.11-423/11-FC, Dt:31.01.2013 have issued orders treating M/s.Singareni Collieries Company Limited as a "Central Public Sector Undertaking" (CPSU) and also informed that as per guidelines 3.2(IX(a)), the CPSUs are exempted from providing CA land. In lieu of CA they are required to re-afforest double the extent of degraded forest in the RF/PF. While communicating the proposals received from the user agency the Principal Chief Conservator of Forests, A.P., Hyderabad vide reference No. 6347/2010/F1, dt. 21.09.2013 has also issued instruction to identify double the

degraded forest land in Paloncha forest division ($447.21 \times 2 = 894.42$ Ha) and to prepare the CA Scheme proposals. Accordingly, instructions were issued by Divisional Forest Officer, Paloncha to Forest Range Officer, Bayyaram to identify the degraded forest land in lieu of diversion of forest land of 447.21 Ha (as against earlier requisition of 648.52 Ha) for Manuguru OCP-II extension project (Phase-II) of Singareni Collieries Company Limited, Manuguru. Accordingly the Range Officer, Bayyaram are identified the following areas. The details are as follows.

Sl. No.	Range	Beat	Section	Block	Compt. No.	Net area available
1	2	3	4	5	6	7
1	Bayyaram	Duginepally	Janampeta	Sunnamvarigudem	41	175.00
2		Duginepally	Janampeta	Bheemaram	42	372.72
3		Duginepally	Janampeta	Chegarsala	43	79.32
4		Janampeta	Janampeta	Sarjatpally	44 & 45	268.00
	Total :					895.00

Claims under RoFR Act, 2006:-

As verified from the records and field inspection, no claims were received under RoFR Act, 2006 in the proposed area for diversion in compartment Nos. 41,42 and 43 of Kondaigudem block of Bayyaram Range of and 3,4 & 13 of Kondapuram RF of Ashwapuram Range in Paloncha division and free from any sort of encroachment. The necessary certificates (a-h) will be submitted at the time of Stage-II clearance as per the guidelines issued by MoEF dt.30.07.2009 and 03.08.2009. An under taking from user agency is obtained and enclosed.

The proposed diverted Forest land is at a distance of 5.8 Kms from the boundary of the Kinnerasani Wild Life Sanctuary. The location is shown an Topo Sheet which is enclosed to the proposals. As per the guide lines under Environmental clearance, these proposals will be placed before the standing committee of NBWL. The User Agency is to deposit the following amounts as per the provisions of the Forest (Conservation) Act, 1980:-

Sl. No.	Name of the work	Name of the Block	Degraded Forest (Ha)	Amount (Rs. in lakhs)
I(a)	Protection Measures: As per Circular No.2/CAMPA/2013, Digging of peripheral trench a distance of 2m x 2m (depth and bottom depending on the soil condition) the peripheral distance is 23 Kms. Trench = 23,000 mtrs. 23000 mtrs,575 (0.5 septa at an interval of 20 mtrs) 22425 x 4 mtrs = 89700 Cmt. Including Planting of two rows with EP clones, Misc. planting at an interval of 3mtrs in the bottom of trench with the species like neredu, Tellamaddi, Babul, Battaganupa etc., Planting one row of agave suckers with crowbar hole planting, Cost of babul seed, Cost of palmyrah nuts, Pretreatment of nuts, digging of pits, etc.,			49.75
I(b)	Fire Protection & Fire Tacing: Creation of Fire lines 3 mts wide per Ha 100mt running meter length (895 x 100 = 89500)	Bheemavaram	372.72	4.262
		Sunnamvarigudem	175.00	
		Chegarsala	79.32	
		Sarjatpalli	268.00	
		Total:	895.00	
II	a) Raising of Misc. plantation in Bayyaram Range (Semi Mechanical Method)	Sunnamvarigudem	147.96	1160.509
		Chegarsala	79.32	
		Bheemaram	372.72	
		Total:	600.00	
	b) Raising of Misc. plantation in Bayyaram Range (Labour intensive method)	Sarjatpally	195.00	485.695
	c) Catchment treatment area SMC works 100 Cmt per Ha, staggered trenches, checkdams, MPTs, CCTs, Contour bunding	Bheemavaram	372.72	90.610
		Sunnamvarigudem	175.00	
		Chegarsala	79.32	
		Sarjatpalli	268.00	
		Total:	895.00	
	d) Improving of Degraded Natural Forest Degraded forest land identified in 4 blocks an extent of 961.14 Ha But CA scheme was prepared 895.00 Ha (447.21x2)	Sunnavarigudem	27.00	33.670
		Sarjatpalli	73.00	
		Total:	100.00	
	e) Nursery Infrastructure (Including Erection of solar power system at nursery site Bheemavaram)			16.50
	TOTAL COST:			1840.996
III	Administrative Charges: Over Head Charges for project implementation one base camp at Bayyaram Range location respectively, hiring of jeep to the Range Officer and computer operator, Technical Assistant, D.F.O., vehicle oils, watch tower, erection of gate etc. Administrative costs 10%			184.10
	Total CA cost:			2025.10
	CA for Safety Zone (1.5 times)	2.24		9.658
	Administrative costs 10%			0.9658
	TOTAL:			10.6238
	Total Cost of Project :			2035.7238

	Extraction charges		166.341
	NPV		3319.933
		Grand Total:	5521.9978



 Divisional Forest Officer (FAC),
 Paloncha.