

**BRIEF SUMMARY OF SCCL AND PRAKASHAM KHANI OC MINE
(AMALGAMATION OF MANUGURU OC-II EXTENSION & MANUGURU OC-IV
EXTENSION)**

The Singareni Collieries Company Ltd. (SCCL) is the oldest Govt. Mining Company working in the State of Telangana and having a history of 129 years experience in coal mining. SCCL is a Govt. Company with equity participation of Telangana State & Government of India in the ratio of 51:49 respectively. SCCL is presently operating 19 opencast & 29 underground mines with a manpower of 48,942 (As on March, 2019) in the Telangana State.

SCCL diversified into power generation and established 2 x 600 MW Singareni Thermal Power Plant (STPP) in the Mancherial District of Telangana State. The STPP was dedicated to the Nation by our Honorable Prime Minister on 07.08.2016. Further, expansion of the same to 2000 MW is under process by adding another 1 x 800 MW unit.

Project Background:

Manuguru OC-II Extension : Revised Mining Plan for OC-II Manuguru Additional Area (Manuguru OC-II Extension Project) Manuguru Area was approved by MoC vide Lr. No. 13016/10/2007-CA-II, dated 26.02.2008. Salient Features are furnished hereunder:

Capacity (Mty)	: 4.00 (Peak_5.00)
Life (Yrs)	: 66
Land Requirement (ha)	: 3205.76
Forest land (ha)	: 2673.70
Non Forest land (ha)	: 532.06
Geological Reserves (Mty)	: 344.88
Extractable Reserves (Mty)	: 264.20
Overburden	: 1929.75
Stripping Ratio	: 7.30

Mining Plan Including Mine Closure Plan for Manuguru OC II Extension for enhancing capacity from 4.00 (Peak_5.00) to 6.25 Mty & for obtaining approval for Mine Closure Plan, with an area of 3205.76 ha, life of 40 years was submitted to MoC, Gol for approval on 10.03.2014.

The proposal was deliberated by Technical Members of Standing Committee of MoC on 07.10.2015. The following observations were made by the Technical Members of Standing Committee MoC vide Lr. No.34011/47/2014-CPAM dated 05.01.2016:

The Mining plan envisages part dumping of the Manuguru OC II in the void of Manuguru OC IV, the mining plan of which has already been approved. The present mining plan covers closure plan of only of Manuguru OC II, while the closure of Manuguru IV block will be linked with mining operation of Manuguru OC II.

Environment Clearances:

For Manuguru OC II Extension mine, EC was granted for a Capacity of 4.00 (Peak_5.00) Mty in the year 2008 for an area of 3205.76 ha Lr. No. J-11015/144/2007-IA.II(M), dated 31.07.2008.

SCCL applied in the year 2014 for Environment Clearance for enhanced Capacity of 6.25 Mty under the provision of 25% capacity enhancement as per MoEF&CC Notification

MoEF&CC granted EC vide Lr. No. J-11015/78/2013-IA-II(M) dated 21.02.2014 for an available land with SCCL for an area of 1526.20 ha (diverted FL 994.14 ha NFL 532.06 ha) as 1679.56 ha of FL was in the process of diversion with the following conditions:

- SCCL will need to seek and obtain approval under the FC Act for diversion of the entire forest land located within the mining lease area within a period of 2 years from the date of issue of this Ministry guidelines (i.e. 01 February, 2013), failing which the mining lease area will be reduced to the non-forest area plus the forest area for which SCCL has been able to obtain the FC at the end of this time period.
- In the case of reduction in mine lease area, SCCL will need to get a revised mining plan approved from the competent authority for reduced area and enter into a new mining lease as per reduced lease area. The EC will be construed to be available for the mining lease area as per the revised mining lease deed.

Manuguru OC IV Extension: Revised Mining Plan for Part of Manuguru Mining Lease - Revision No.2 (Manuguru OC - IV Extension) was approved by MoC vide Lr. No. 13016/6/2008-CA-II dated 08.05.2014 for. Salient Features are furnished hereunder:

Capacity (Mty)	: 3.00 (Peak_3.50)
Life (Yrs)	: 66
Land Requirement (ha)	: 734.60
Forest land (ha)	: 654.95
Non Forest land (ha)	: 79.65
Geological Reserves (Mty)	: 65.90
Extractable Reserves (Mty)	: 58.96
Overburden	: 369.04
Stripping Ratio	: 6.27

Environment Clearances:

For Manuguru OC IV Extension mine, EC was granted for a capacity of 3.00 (Peak_3.5 Mty) for an area of 734.60 ha vide Lr. J-11015/286/2010-IA.II(M) dated 10.12.2014.

Present Proposal:

Since 2017, the Mining Plans seeking for approval of MoC, GoI, are required to be prepared for the entire coal bearing area covered in the Mining Lease or allotted as per MM(D&R) Act, 1957.

Hence, it is proposed to prepare the MP&MCP for an area of 2402.4 ha (Available ML area of 2168.86 ha of coal bearing + Lol Area of 233.54 ha of non coal bearing area required for OB dumping & Infrastructure) by amalgamating both Manuguru OC II Extn and Manuguru OC IV Extn.

In view of above, "Mining Plan (Including Mine Closure Plan) (3rd Revision) for Prakasham Khani OC Mine (Amalgamation of Manuguru OC II Extension & Manuguru OC IV Extension)" for a capacity of 10 Mty with a life of 11 years from 2019-20 for an extent of 2402.4 ha (Coal Bearing area 2168.86 ha + Non Coal Bearing area 233.54) is submitted for approval.

Salient features of the present proposal is provided in table 1.1

Table 1.1

Name of the Project	Prakasham Khani OC Mine (Amalgamation of Manuguru OC II Extension & Manuguru OC IV Extension)
Type of Project	Opencast Mine
Village & Mandal	Manuguru Village & Manuguru Mandal
District	Bhadradi
State	Telangana
Coal Belt	Manuguru- Cherla Coal Belt
Coal Field	South Eastern part of Godavari Valley Coal Field
Name of the Organization	The Singareni Collieries Company Limited.
Geological Reserves	402.01 Mt
Mineable Reserves	309.35 Mt
Extractable Reserves	290.55 Mt
Total Hard OB from Quarry (M.m ³)	Out of 1500.44, 806.77 is removed & 693.67 to be removed
Topsoil from the quarry (M.m ³)	Out of 6.93, 4.63 is removed & 2.28 to be removed
Total OB from the quarry	Out of 1500.44, 811.40 is removed & 695.95 to be removed
Average Stripping Ratio	7.19m ³ /t
Surface Area of excavation (ha)	1495.476
No. of workable seams	15
Seam Gradient	1 in 5.5 to 1 in7.5
Avg. Grade & Grade range	G8 & G-4 to G-12
Borehole density (No/Sq.km)	28.91
Land requirement (ha)	2402.4ha
Technology	OC: Shovel Dumper Combination
Depth range (m)	18 to 270
Rated capacity	10Mty
Mode of transport of coal	Coal is being transported to kondapuram CHP through a series of belts and supplied to customers through rail.
Life of the project (Years)	11 Years from 2019-20
R & R Details	Nil
R & R cost (Tentatively)	Nil
Project Cost	1473.63 Crores