



## THE SINGARENI COLLIERIES COMPANY LIMITED

(A GOVERNMENT COMPANY)

Kothagudem (P.O.)-507 101, Bhadradi Kothagudem District, Telangana State

CIN: U10102TG1920SGC000571

Ref.No.KGM//EST/F/117/ 167

Date: 18.04.2024

To  
The Principle Chief Conservator of Forests &  
Nodal Officer (FC),  
Telangana, Hyderabad.

Sir,

Sub:-Proposal for seeking prior approval of the Central Government under Section 2(1) of the Van Sanrakshana Evam Samvardhan) Adhiniyam, 1980 in favour of M/s. SCCL for non-forestry use of 649.3014 ha forest land in Ramavaram RF of Ramavaram Range of Kothagudem forest diversion for grant of mining lease for proposed Venkateshkhani OCP from underground rights to surface rights in Kothagudem area in Bhadradi Kothagudem District (FP/TG/MIN/44798/2020) - Submission of meeting held on 02.04.2024 minutes reply - Reg.

Ref: The MoEF&CC, Gol, Lr .No. 8-05/2021-FC, Dtd. 02.04.2024.

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Kind attention is invited to the subject cited, It is to bring to your kind notice that MoEF&CC, Gol, vide letter reference cited, has raised minutes of meeting held on 02.04.2024 and sought certain additional information and point wise reply is submitted hereunder for kind perusal :

**Point No. I :** During the discussion it has been noticed that the instant proposal is for converting the underground mining to open cast mining. The underground mining was approved earlier for 1174.18 ha of forest land and now out of 1174.18 the UA is seeking 649.3014 ha for OC mining. As informed by the UA that at present there is a good forest on surface which is now required to be diverted and 3,49,423 trees (as per part II of the form 1) have to be felled. The SCCL has informed that they have only extracted about 30% of coal available so far from underground mining and ~70% of coal is still remaining. In this regard, the SCCL shall provide relevant documents and justification.

The present proposal is for converting two underground mines falling in 1174.18 ha of forest land into opencast mine. The two underground mines are namely Venkatesh Khani No. 7 incline which was started in the year 1954 and closed down in the year 2021 and Padmavathi Khani No.5 Incline was opened in the year 1952, presently in operation. The underground operations of Padmavathi Khani No.5 Incline will continue till 2029-30 and later will be converted into opencast.

The total geological reserve available in both mines is about 330.009 MT. The geological report prepared by Chief of Exploration department ( approved by ) of SCCL is enclosed for your perusal as **Annexure-I**. The reserves extracted in Venkatesh Khani No. 7 incline till its closure i.e. up to 2020-21 are 26.34 MT and reserves extracted till 2023-24 in Padmavathi Khani No.5 Incline are 41.11 MT and another 1.5 MT will be extracted till 2029-30. Thus the total reserves extracted by underground from these two mines would be 68.95 MT and thus the percentage of extraction with respect to geological reserves is 20.89 %. The letter given by the Area General Manager with



respect to the reserves extracted in both the underground mines is enclosed as **Annexure-2**.

Both these underground mines are operated up to a depth of 400 mts. The present proposal is to convert these underground mines in to opencast for optimizing the mineral extraction from conservation point of view. The opencast mining is planned to the extent of 649.3014 ha out of 1174.18 ha where the reserves are planned to be extracted as permitted by economics up to depth of 300 mts of bottom seam (lower most seam). Surface rights are being sought only to the extent of 649.3014 ha leaving the remaining area of 524.8786 ha intact. About 170 Mt of reserves are planned to be extracted up to 300 mts depth. The summary of extractable reserves is tabulated below:

S.No	Description	
1	Geological Reserves in MT	330.009
2	Reserves extracted by underground method	68.95
3	Percentage of reserves extracted (( 2/1)*100)	20.89
4	Balance Geological reserves available (1-2)	261.059
5	Reserves proposed to be extracted by opencast method MT	170.08
6	Percentage of reserves extracted by opencast method (5/4)*100	65.33
7	Reserves extracted by both underground and opencast (2+5)	239.03
8	Percentage of Reserves extracted by both underground and opencast (7/1)*100	72.43

In addition to the above, in the instant proposal about 10.00 MT of coal will be extracted from the batters and barriers of GK OC Mine (left over coal in benches). Thus, the total extractable reserves from the instant proposal through OC are about 180.00 MT.

**Point No.II** As per the present proposal of VK OC, OB is required to be dumped in the adjoining void area of the GKOC Phase-II (Area 124.0 ha) and GK OCP, Phase-III (area 154.96 ha). During the discussion it been observed the proposal of 649.3014 ha of proposed VK OC is as per amalgamation of Kothagudem, mining lease for which revised mining plan has been approved. Accordingly, it is noted that following three proposals are required to be dealt simultaneously:

- Venkateshkhani Mine from underground rights to surface rights (649.3014 ha). Which is under consideration in the Ministry [File No. 8- 05/2021-FC].
- Renewal and land use change of GKOC Phase-II (Area 124.0 ha). Which is under consideration in the Ministry. [File No. 8-17-1998-FC (Part)].
- Proposal for land use change of GK OCP, Phase-III (area 154.96 ha) for which FC validity is valid up to 2034 is required to be submitted by the State Govt. Further, the Nodal Officer (VSESA), 1980, Govt. of Telangana and SCCL has agreed to submit the proposal for change in land use along-with the compliance report for the same.



**2495591/2024/FCA SECTION-PCCF**

It is to submit that regarding point no. IIb, application for renewal of 124.00 ha was already submitted to the forest department on 05.04.2017. The earlier and proposed land use sought for renewal is as follows:

Proposal for renewal of 124.00 ha	Land use(ha)				Total area ( ha)	Remarks
	Quarry	Dump	Void	Others		
Present Land use	124	0	0	0	124.00	
Proposed Land use	0	124	0	0	124.00	Out of the 124 ha an extent of 60.43 ha which is already technically & biologically reclaimed is proposed to be surrendered to Forest dept.  Balance land of 63.57 ha is void and it will be filled with OB of VKOCP for reclamation.

Regarding Point No IIc, the 154.96 Ha of forest land is diverted in favour of SCCL for a period of 20 Years by the Ministry vide F.No 8-62/2005 FC, dtd 09.07.2008 which is valid upto the year 2028. Due to dumping of OB from the VK Coal Mine in the 154.96 ha the approved land use will undergo the changes as given below:

S.No	Extent ha.	Present land use	Proposed land use	Surrender Schedule
1	75.53	Quarry (Presently void)	Proposed for dumping of OB from VKOCP	Proposed to be surrendered after 15 years from grant of Stage-II
2	60.54	External dump OB	An extent of 32.18 ha which is technically and biologically reclaimed is proposed to surrender after grant of Stage-I  Balance extent of 28.36 ha is for dumping of OB and reclamation.	
3	18.89	Others (safety zone, transmission lines, road, bund etc.,)	6.47 ha – proposed for dumping  2.82 ha proposed to surrender  1.85 ha retaining with plantation  7.75 ha – retained as same for Safety zone, transmission lines & Road	
	154.96			



A request letter for Change of land use along with Plans is enclosed. Hence, it is requested to recommend and forward the proposal of Change of Land use of 154.96 Ha to the MoEF&CC, GoI through State Government. (A copy of request letter for change of land use along with plans is enclosed as **Annexure-3**).

*Point III: (The SCCL has also stated that after filling of OB dump in void area of GKOC Phase-II (Area 124.0 ha) they will be surrender the said area after technical and biological reclamation to the SFD which is ecological beneficial.*

It is to submit that out of 124.00 ha of forest land an extent of 60.43 ha was already technically and biologically reclaimed with plantation and the balance 63.57 ha. is remaining as void at present. As per the discussion held in the meeting and as advised by the Ministry, SCCL restricted the dumping in the biologically reclaimed area of 60.43 ha which was proposed for dumping in the approved mining plan is now proposed to be surrendered with plantation to the State Forest department, after grant of Stage-I and the balance 63.57 ha will be utilised for dumping of OB of VK Coal Mine.

Dumping in 63.57 ha area will be completed in a span of 7-8 years and reclamation activities will take about another 3 years. Hence the area of 63.57 ha will be surrendered to Forest department after 10 years from the grant of Stage-II. An undertaking to surrender the area of 63.57 ha after 10 years from the grant of Stage-II.

*Point IV: The SCCL has also stated that they will not use the already technically and biologically reclaimed area of GKOC Phase-II (Area 124.0 ha) and GK OCP, Phase-III (area 154.96 ha) for OB dump of 649.3014 ha VK OC mines and same shall be surrendered to the SFD. The details of the same shall be provided by the SCCL & SFD to the Ministry.*

As per the discussion held in the meeting and as advised by the Ministry an extent of 95.43 ha ( 60.43 ha in 124.00 ha and 35 ha in 154.96 ha ) which is technically and biologically reclaimed area of GKOC Phase-II & III will not be used for the dumping of OB pertaining to 649.3014 ha of proposed VKOCP and the same will be surrendered to the State Forest department after grant of Stage-I. (An undertaking to this effect is enclosed as **Annexure -4**).

*Point V: The SCCL has informed that GK OC Phase-I (area 261.31 ha) out of 261.31 ha of forest land an extent of 140.0 ha has been back filled with over burden and plantation was taken up. The balance area of 121.0 ha is having infrastructure (4 ha) and void and over burden (65.13 ha). Out of reclaimed area of 140.0 an extent of 100 ha was handed over back to the SFD in 2010. Therefore, it has been agreed in the meeting that the SCCL shall hand over the balance area (leaving the infrastructure and access roads) to the SFD. Accordingly, SCCL shall submit a reclamation plan and surrender schedule.*

It is to submit that out of 261.31 ha of diverted forest land an extent of 100 ha was biologically reclaimed and handed over to the State forest department. However, the surrendered land of 100 ha is being maintained by the SCCL for better administration.



From the balance area of 161.31 ha, the present land use, proposed land use due to VKOCP and the surrender schedules is as follows:

S.No	Description	Extent ha.	Present land use	Proposed land use	Surrender Schedule
1	Biologically reclaimed Dump	31.24	Dump with plantation	Retained same as	Proposed to be surrendered immediately after grant of Stage-I
2	Infrastructure and Roads	45.27	Buildings, Crushers, Belt conveyors, Roads etc..	Proposed for dumping and later reclaiming it biologically.	Proposed to be surrendered after 10 years from grant of Stage-II
3	Void	84.80	Void	Proposed for dumping up to 90 Mtrs height & reclaiming it biologically.	
TOTAL		161.31			

(An undertaking to this effect is enclosed as **Annexure -5**).

**Point VI: The SCCL shall also provide the latest approved amalgamated mining plan.**

The Mining Plan and Mine closure Plan of Venkatesh Khani coal Mine (Amalgamation of Venkatesh Khani No.7 Incline, Padmavathi Khani No.5 Incline and Goutham Khani OC Mine) was approved by the Ministry of Coal, Gol vide F.No PCA – 38011/12/2017-PCA, dt 27/01/2020 is enclosed as **Annexure -6**.

**Point VII: Further, regarding the issues wrt to CA land of GKOC Phase-II (Area 124.0ha), the Nodal Officer has agreed to notify the 42.96 ha non-forest land in Sy No. 116 of Rasannagudem village, Paloncha Forest Division. The same shall be expedited and documents in this regard shall be provided to the Ministry.**

It is requested to direct the District Forest officer, Kothagudem for preparation of Notification as RF for 42.96 ha of non forest land given as CA in Sy.No 116 of Rasannagudem, Palvancha Division, Bhadrachalam District at the earliest. SCCL will coordinate/ provide necessary assistance if any, to the forest department for processing of notification as RF.

**Point VIII: Further, at the time of the submission of the land use proposal of GK OCP, Phase-III (area 154.96 ha), the State and SCCL authorities shall ensure that proposed NFL falling in the State of Andhra Pradesh notified as RF/PF under IFA, 1927 or local act of the State. The State Nodal officer, Govt. of Telangana and SCCL shall co-ordinate with the Andhra Pradesh SFD. In addition, the IGF (Central) of sub-Office Hyderabad shall inspect the NFL land proposed in Andhra Pradesh and submit his report to the Ministry.**

The SCCL has handed over an extent of 154.96 ha of NFL land at Mulapeta (V) Ranasthalam (M) of Srikakulam District, Andhra Pradesh State for CA purpose and



**2495591/2024/FCA SECTION-PCCF**

deposited an amount of Rs. 82,08,000 Vide DD. No. 49419 to 49426 dtd. 18.04.2008, towards CA charges.

SCCL requested the Prl. Chief Conservator of Forests & Nodal Officer, Andhra Pradesh State vide letter dated 13.11.2023 regarding the status of notification and plantation. The District Forest Officer, Srikakulam informed vide Lr.Rc. No.1822/2018/A4 dtd.17.11.2023 that initially notification proposals under Section 24 were submitted to Prl.CCF and due to some short comings the notification is pending at present.


Hence, it is requested to take up the matter with the Prl. Chief Conservator of Forests, Andhra Pradesh for notification of CA land as RF in Srikakulam District at the earliest.

*Point IX: Further, the reply to EDS raised by the Ministry vide letter dated 19.03.2024 shall be examined separately.*

The reply for the EDS raised by the Ministry vide letter 19.03.2024 was submitted by the SCCL on 26.03.2024. It is requested to examine and forward the EDS reply to the MoEF&CC, GoI through State Government.

Hence, it is requested to kindly examine and arrange to furnish the replies for minutes of the meeting conducted by the MoEF&CC, GoI with the suitable remarks for considering the proposal of SCCL in the ensuing FAC for grant of Stage-I.

Yours faithfully,

  
General Manager,  
Kothagudem Area  
*General Manager*  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA

Encl: as above

Copy to the:


The Integrated Regional Officer, (Sub Office) - MOEF &CC, GoI, Hyderabad, for favor of information

The Chief Conservator of Forests, Bhadradi Circle, Warangal for favor of information and with similar request.

The District Forest Officer, Kothagudem for favor of information with a request to submit suitable remarks.



Yours faithfully,

  
General Manager,  
Kothagudem Area  
*General Manager*  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA





THE SINGARENI COLLIERIES COMPANY LIMITED  
(A Government Company)  
KOTHAGUDEM Area

**UNDERTAKING**

As per the discussion held in the meeting and as advised by the Ministry, the Singareni Collieries Company Limited hereby undertakes that an extent of 95.43 ha (60.43 ha in 124.00 ha and 35 ha in 154.96 ha) which is technically and biologically reclaimed area of GKOC Phase-II & III will not be used for the dumping of OB pertaining to 649.3014 ha of proposed VKOCP and the same will be surrendered to the State Forest department after grant of Stage-I.



  
General Manager  
Kothagudem Area  
*General Manager*  
The S.C. Co. Ltd.,  
KOTHAGUDEM AREA






THE SINGARENI COLLIERIES COMPANY LIMITED  
(A Government Company)  
KOTHAGUDEM Area

**UNDERTAKING**

The Singareni Collieries Company Limited hereby undertakes that out of 161.31 ha of diverted forest land for GKOC ( Ph-I), an extent of 31.24 ha was technically and biologically reclaimed with plantation. The reclaimed area of 31.24 ha will not be used for the dumping of OB pertaining to 649.3014 ha of proposed VKOC and the same will be surrendered to the State Forest department after grant of Stage-I.



  
General Manager  
Kothagudem Area  
*General Manager*  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA





THE SINGARENI COLLIERIES COMPANY LIMITED  
(A Government Company)  
GOUTHAMKHANI OPENCAST MINE, KGM Area

Date: 18.04.2024

**CERTIFICATION**

This is to certify that PVK No.5 Inc mine was started in the year 1952.

As per the mining plan Production Achieved up to 2018-2019: 40.19 MT

Production details are as follows:

2019-2020	: 0.21 MT
2020 – 2021	: 0.08 MT
2021 – 2022	: 0.21 MT
2022 – 2023	: 0.21 MT
2023 – 2024	: 0.21 MT

Total Production achieved up to 2023-24: 41.11 MT



  
General Manager  
Kothagudem Area  
*General Manager*  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA





THE SINGARENI COLLIERIES COMPANY LIMITED  
(A Government Company)  
GOUTHAMKHANI OPENCAST MINE, KGM Area

Date: 18.04.2024

**CERTIFICATION**

This is to certify that VK No.7 Inc mine was started in the year 1954.

As per the mining plan Production Achieved up to 2018-2019: 25.61 MT

Production details are as follows:

2019-2020	: 0.42 MT
2020 – 2021	: 0.31 MT
2021 – 2022	: 0.00 MT
2022 – 2023	: 0.00 MT
2023 – 2024	: 0.00 MT

Total Production achieved up to 2023-24: 26.34 MT



  
General Manager  
Kothagudem Area  
*General Manager*  
The S.C. Co. Ltd.,  
KOTHAGUDEM AREA



**THE SINGARENI COLLIERIES COMPANY LIMITED**

(A GOVERNMENT COMPANY)

Kothagudem (P.O.)-507 101, Bhadradi Kothagudem District, Telangana State

CIN: U10102TG1920SGC000571

Ref.No.KGM//EST/F/117/168

Date:18.04.2024

To  
The Principle Chief Conservator of Forests &  
Nodal Officer (FC),  
Telangana, Hyderabad.

Sir,

Sub:- Proposal for Change of Land use for diversion of 154.96 Ha of Forest land  
for GKOC ( Ph-III) - Reg.

Ref :- 1. The MoEF&CC, Gol, Lr .No. 8-62/2005-FC, dtd. 15.07.2008.  
2. The MoEF&CC, Gol, Lr .No. 8-05/2021-FC, Dtd. 02.04.2024

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Kind attention is invited to the subject cited, It is to bring to your kind notice that SCCL has submitted application for diversion of 154.96 ha for GKOC (Ph-III) in Ramavaram RF, Kothagudem Division(copy of application is enclosed). Vide reference 1<sup>st</sup> cited, the MoEF&CC, Gol, has granted Stage-II for an extent of 154.96 Ha (proposal No. FP/TG/MIN/970/2005) for GKOC (Phase-III) for a period of 20 years. While submitting the proposal the land use of 154.96 Ha is proposed as below:

S.No	Purpose	Area in Ha.
1	Quarry/Void	75.53
2	External OB Dump	60.54
3	Others	
<b>3A</b>	<b>Part -I</b> For transmission line, Road, Drainage, Protective Bund etc,	11.14
<b>3B</b>	<b>Part-II</b> Transmission Line & Drainage, Bund	4.37
	shifting of part Coal transport Road	3.38
<b>TOTAL</b>		<b>154.96</b>

Further, vide reference 2<sup>nd</sup> cited, the MoEF&CC, Gol has conducted meeting for the proposal of 649.3014 Ha of forest land for Venkatesh Khani Coal Mine. While discussion, as the approved land use of 154.96 ha is changing due to dumping of OB from VK Coal mine ( 649.3014 ha ), the Ministry advised SCCL to submit application for change of land use.

Further, the Ministry advised to surrender the area which is already technically and biologically reclaimed with plantation to the state forest department to avoid further dumping of OB in 154.96 Ha.

Accordingly, as per the directions of the Ministry, the proposed land use of 154.96ha due to impact of VKOC was examined and arrived as follows:



S.No	Area in Ha.	Present Land Use	Proposed land use	
			Extent ( ha)	Purpose
1	75.53	Quarry	75.53	Dumping of OB from VKOCP
2	60.54	External OB Dump	32.18	proposed to surrender as the area is biologically reclaimed
3		Others	28.36	Dumping of OB from VKOCP
3A	11.14	Part -I For transmission line, Road, Drainage, Protective Bund etc,	6.47	Dumping of OB from VKOCP
			2.82	proposed to surrender as the area is biologically reclaimed
			1.85	For transmission line, Road, Drainage, Protective Bund etc
3B	4.37	Part-II Transmission Line & Drainage, Bund	4.37	Transmission Line & Drainage, Bund
	3.38	shifting of part Coal transport Road	3.38	Coal Transport Road
<b>TOTAL</b>	<b>154.96</b>		<b>154.96</b>	

Plans showing the present land use and proposed land use of 154.96 Ha are enclosed for kind perusal.

Further, it is to bring to the kind notice that the dumping activities in this area will be continued for a period of about 10 years after grant of Stage-II and reclamation works and maintenance will be taken for another 5 years. After 15 years, SCCL will surrender the entire 154.96 Ha of land to state forest department.

Hence, it is requested to kindly recommend for Change of land use of 154.96 ha and forward to the MoEF&CC, Gol through State Government for consideration.

Yours faithfully,

General Manager,  
Kothagudem Area

*General Manager*  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA

Encl: as above

Copy to the:

The Integrated Regional Officer, (Sub Office) - MOEF &CC, Gol, Hyderabad, for favor of information

The District Forest Officer, Kothagudem for favor of information with a request to submit suitable remarks.



Yours faithfully,

General Manager,  
Kothagudem Area

*General Manager*  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA





The Singareni Collieries Company Limited  
( A Government Company )  
KOTHAGUDEM AREA

Ref.No.KGM/EST/F/25/166

Date:16/04/2024

To  
The Principal Chief Conservator of Forests,  
Nodal Officer (FC)  
Aranya Bhavan, Saifabad,  
Hyderabad, Telangana State.

Sir,

Sub:- Submission of Annual compliance report as on 31.03.2024 for the stipulated conditions in MoEF& CC, GOI orders under F(C) Act for diversion of 154.96 Ha. for Gautham Khani Opencast Project (Phase-III) in Bhadradri Kothagudem District - Kothagudem Division in favor of SCCL-Reg.

Ref:- MoEF&CC, GoI letter No.F.No.8-62/20050-FC, Dt. 09/5.07.2008.

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Kind attention is invited to the reference cited wherein the MOEF, GOI, has accorded final approval for diversion of Forest land to the extent of 154.96 for Gautham Khani Opencast Project in Kothagudem. Accordingly, the compliance report as on 31.03.2024 is submitted herewith on the stipulated conditions as in the order.

**Condition No.(1):** Legal status of the forest land shall remain unchanged.

**Compliance:** Legal status of land remains as Reserve Forest.

**Condition No.(2)(i):**Compensatory Afforestation shall be raised and maintained by the State Forest Department at the project cost.

**Compliance:** CA land was identified in Sy. No. CB of Mulapet (V), Ranasthalam (Mandal), by the SCCL and handed over to Forest Department, Srikakulam Forest Division. An amount of Rs.82,08,000 was deposited vide DD Nos. 49419 to 49426, dtd.18-4-2008 towards CA charges.

**Condition No.(2)(ii):** Fencing, protection and regeneration of the safety zone area (7.5 meters strip all along the outer boundary of the mining lease area) shall and a half times the area under safety zone, shall be done at the project cost. Besides this, Afforestation on 100 meter radius of mining lease granted in degraded forest land if density is less than 0.4/enrichment plantation shall be taken up by the user agency in consultation with the Forest Department.

**Compliance:** The SCCL has deposited Rs. 2.890 lakhs towards 1½ times safety zone, Rs.7.690 lakhs towards fencing of safety zone area and Rs.0.220 lakhs towards regeneration of safety zone area with DFO, Kothagudem on 14-09-2006 vide Cheque No.239739 of SBH, Rudrampur maintained the Safety zone of 7.5mtrs. is inside this area of 154.96Ha.



Regarding planting in 100 M radius from the Mining Lease periphery, the Forest Range Officer, Ramavaram has identified availability of degraded forest land of 6.00 Ha. within 100 meters radius where density is less than 0.4. This area was planted during 2016 planting season.

**Condition No.(2)(iii):** *Wherever possible and technically feasible, the User Agency shall undertake afforestation measures in the blanks within the lease area, as well as along the roads outside the lease area diverted under this approval, in consultation with the State Forest department at the project cost.*

**Compliance:** out of 154.96 ha an extent of 35 ha was technically and biologically reclaimed with plantation. The balance area is presently void. After filling of OB Plantation will be taken up. Further, the SCCL has taken up avenue plantation in its area is 2.00 Ha.

**Condition No.(3):***The recommendations made in the Impact Assessment Study carried out by Indian Council of Forestry Research and Education(ICFRE) shall be implemented at the project cost.*

**Compliance:** As per the recommendations made ICFRE, suitable compliances including sprinkling of water along the haul roads, removal of used oil barrels, desilting of tanks, plantation etc.. have been made. Till now around 8.30 crores have been utilized for remediation & NCRAP for GKOC.

**Condition No.(4):** *The scheme for soil and moisture conservation for the entire watershed area shall be implemented at the project cost.*

**Compliance:** The SCCL has taken up construction of toe wall (3.90 Km), garland drains (9.60 Km) along the OB dump and 3 siltation ponds, 8 cribs, 8 Rock fill dams in GKOC Project at the cost of Rs.1.30 crores. Agave suckers, Saccharum munja & vetivers were planted for soil binding and prevention of erosion. Broadcasting of Stylosantheshamata was also done which prevented the soil erosion as well as improved nutrient status.

**Condition No.(5):***The non-forest land proposed for compensatory afforestation should be transferred and mutated in the name of Forest department and should be declared as Reserve Forests.*

**Compliance:** 154.96 Ha. of non-forest land identified in Sy.No. CB of Mulapet (V), Ranasthalam (M) of Srikakulam Division was handed over and mutated in favour of Forest Department on 30-01-2001, Srikakulam Division.

**Condition No.(6):** *All measures should be taken to prevent pollution of tanks, rivers and nalas, etc. The desilting of adjoining villages in radius of 5 Kms may also be taken up by the User agency from time to time.*

Compliance: SCCL is taking all protective measure to prevent pollution of tanks. SCCL taken up de-silting of village tanks such as Tungaram tank in tekulabanjara village and Penagadapa Tank was done.

Further, as a policy all the tanks are being de-silted by the state Government under "Mission Bhagiratha" Scheme. If any specific request by the surrounding villages for de-silting, shall be attended promptly.

Condition No.(7): *The period of diversion under this approval shall be twenty (20) years subject to possession of valid lease by the User Agency under the MMDR Act, 1957.*

Compliance: Yes, the lease period will be 20 years.

Condition No.(8)(i): *The User Agency shall take up Planting work on the static dumps during the advance mining operations and the toe wall around the dump shall be taken up by the user agency.*

Compliance: Planting work on the static dumps was taken up in a phased manner as per the EMP and so far about 504.50Ha. (including 154.96 Ha.) of OB dump area has been reforested with miscellaneous species and they are coming up well. Toe wall of 3.9Kms was already constructed along the dump toe.

Condition No.(8)(ii): *All the dumps shall be fully reclaimed by afforestation immediately after closure of the mine in the shortest possible period under supervision of the State Forest Department.*

Compliance: As per approved Mine closure plan, reclamation activities are being carried out.

Condition No.(9): *Any tree felling shall be done only when it is absolutely necessary and unavoidable, and shall be carried out under strict supervision of the State Forest Department.*

Compliance: Since the area diverted was for OC mining, it was handed over by the Forest Department after extraction of tree growth.

Condition No.(10): *No damage to the flora and fauna of the area shall be caused.*

Compliance: SCCL is not causing any damage to flora and fauna in the adjoining forest land. A good plantation in 538 Ha. (forest & non-forest land) raised in GKOC providing shelter to fauna even from adjacent areas. Miscellaneous species planted are coming up well and providing shelter to fauna.

Condition No.(11): *For reclamation works, the top soil should be preserved and should be used for reclamation. The areas shall be reclaimed keeping in view the international practice of stabilizing the dumps by grading / benching so that angles of repose (normally less than 28° at any given place) are maintained.*

Compliance: Top soil management is being followed as per approved EMP. So far, top soil spread over OB dump is 3.40Mcum. Balance Top soil 1.60Mcum preserved in 880RL deck will be used for reclamation of VKCM OB dump yards As per approved plan of VKCM, OB dump yards. Fresh OB will be dumped in GKOC void area.

Condition No.(12): *The reclamation plan including siltation tanks shall be implemented and monitored continuously. The User Agency should furnish the extent of area to be technically and biologically reclaimed each year, to facilitate monitoring. The annual report about the progress of reclamation should be submitted to the Chief Conservator of Forests, Regional Office, Bangalore.*



**Compliance:** The SCCL has taken up plantation total - 538.00Ha. (External Dump yard, Internal Dump Yard and other areas). Reclamation was started in 1999, every year technically and biologically reclaimed up to the year of 2023. The last compliance report was submitted vide Lr.No.KGM/EST/F/25/224, Dt.16.05.2023 for the period ending March, 2023.

The species planted in GK OCP are Dendrocalamus strictus, Hardwickia binata Inga dulcii, Albezia odoratissima, Ficus benghalensis, Ficus religiosa, Semarouba glauca, Ceiba pentandra, Ficus mollis Aegle marmolose, Mytragynaparvifolia Dolichondrancrispa, Madhuka latifolia Terminalia bellarica, Eucalyptus clones etc.

**Condition No.(13):** It shall be ensured that no labour-camps are set up inside the forest area.

**Compliance:** No labour camp is there in Reserve Forest.

**Condition No.(14):** The mining lease area shall be demarcated on ground at the project cost, using four feet high RCC pillars, with each pillar inscribed with the serial number, forward and backward bearings and distance between two adjacent pillars.

**Compliance:** The area has been demarcated with 42 nos. of 4 feet height RCC pillars and details are given below:

**147.21 Ha Forest Land (phase - III part 1)**

PILLAR No.	LATITUDE IN DEC-DEG-FORMAT (N)	LOGITUDE IN DEC-DEG-FORMAT (E)	LINE	FORE BEARING	BACK BEARING	Dist from Previous Pillar
1	17.44430635833330	80.65615245277780	1 to 2	14°-30'-19"	194°-30'-19"	118.10
2	17.44533688333330	80.65644130277780	2 to 3	74°-03'-25"	254°-03'-25"	96.40
3	17.44556806944440	80.65731634444450	3 to 4	74°-14'-41"	254°-14'-41"	218.66
4	17.44608618611110	80.65930288611110	4 to 5	74°-16'-05"	254°-16'-05"	149.74
5	17.44644043888890	80.66066339722220	5 to 6	74°-34'-48"	254°-34'-48"	134.79
6	17.44677343055560	80.66188407500000	6 to FN	08°-39'-22"	188°-39'-22"	120.06
FN	17.44784434166670	80.66206500277780	FN to FM	11°-20'-30"	191°-20'-30"	68.93
FM	17.44845386944440	80.66219878611110	FM To FK	09°-57'-44"	189°-57'-44"	347.45
FK	17.45154087500000	80.66279587222220	FK to FJ	11°-05'-25"	191°-05'-25"	188.69
FJ	17.45321083611110	80.66315446388890	FJ to FI	09°-16'-08"	189°-16'-08"	148.62
FI	17.45453399166670	80.66339318055560	FI to FH	09°-25'-01"	189°-25'-01"	64.25
FH	17.45510584166670	80.66349794166670	FH to FG	09°-24'-57"	189°-24'-57"	81.92
FG	17.45582932500000	80.66363046666670	FG to FF	09°-24'-57"	189°-24'-57"	59.48
FF	17.45635381111110	80.66375269444450	FF to FE	09°-33'-29"	189°-33'-29"	195.24
FE	17.45809066944440	80.66407548333330	FE to FD	10°-04'-45"	190°-04'-45"	348.97
FD	17.46118992500000	80.66468183611110	FD to FC	10°-39'-52"	190°-39'-52"	212.53
FC	17.46307371944440	80.66507120000000	FC to 9B	10°-39'-47"	190°-39'-47"	25.67
9B	17.46330126388890	80.66511822500000	9B to 9A	349°-57'-36"	169°-57'-36"	632.54
9A	17.46893909444440	80.66413695833330	9A to 9	341°-41'-33"	161°-41'-33"	56.41
9	17.46942453888890	80.66397502777780	9 to 59	240°-33'-10"	160°-33'-10"	82.12
59	17.46906597222220	80.66329804722220	59 to 58B	229°-51'-47"	49°-51'-47"	353.96
58B	17.46702795000000	80.66072946111110	58B to 58A	220°-44'-30"	40°-44'-30"	185.26
58A	17.46577015555560	80.65957827222220	58A to 58	224°-45'-54"	44°-45'-54"	120.68
58	17.46500333611110	80.65877033888890	58 to 56A	144°-24'-52"	324°-24'-52"	411.46
56A	17.46195873055560	80.66099416388890	56A to 56	230°-55'-52"	50°-55'-52"	247.00
56	17.46056882500000	80.65917451666670	56 to 55	310°-35'-02"	130°-35'-02"	326.20
55	17.46250801666670	80.65686146666670	55 to R1	209°-41'-17"	29°-41'-17"	96.40
R1	17.46175545833330	80.65640434722220	R1 to F2	172°-44'-55"	352°-44'-55"	129.02
F2	17.46059756111110	80.65654603055560	F2 to F22	161°-32'-32"	341°-32'-32"	395.70
F22	17.45719501111110	80.65769136666670	F22 to F23	162°-22'-59"	342°-22'-59"	234.21
F23	17.45517173055560	80.65833839722220	F23 to F24	162°-23'-59"	342°-23'-59"	289.47
F24	17.45267088888890	80.65913730000000	F24 to F25	218°-51'-59"	38°-51'-59"	188.71
F25	17.45135358055560	80.65800913333330	F25 to F5	219°-05'-34"	39°-05'-34"	399.33
F26	17.44857499166670	80.65561034166670	F5 to F6	260°-28'-57"	80°-28'-57"	59.42
1	17.44849132500000	80.65505775833330	F6 to 1	165°-21'-10"	345°-21'-10"	477.49

## 7.75 Ha Forest Land (phase - III part 2)

17 46351400277780	80.64942821388890	67 to 12H	63°-37'-07"	243°-37'-07"	491 65
17 46544971111110	80.65359483888890	12H to 11B	42°-41'-49"	222°-41'-49"	935 81
17 47160911666670	80.65963222222220	11B to 63	218°-58'-41"	38°-58'-41"	1102 45
17 46392776944440	80.65302720555560	63 to 64	246°-20'-03"	66°-20'-03"	72 88
17 46366924166670	80.65239609166670	64 to 66	246°-20'-03"	66°-20'-03"	167 06
17 46307662500000	80.65094944444440	66 to 4A4	283°-13'-01"	103°-13'-01"	72 83
17 46323325277780	80.65028345555560	4A4 to 67	288°-19'-52"	108°-19'-52"	96 00

**Condition No.(15):** The forest land shall not be used for any purpose other than that specified in the proposal.


**Compliance:** The land is being used for the purpose only for which permission was obtained.

**Condition No.(16):** Any other condition that the State Government and/or the CCF (Central), Regional Office, Bangalore, may like to impose from time to time for protection and improvement of flora and fauna in the forest area, shall be applicable.

**Compliance:** SCCL agree to abide any other condition that the IRO, MoEF&CC, Hyderabad (Central), Regional Office, Bangalore/ State Government may impose from time to time for protection and improvement of flora and fauna in the forest area.

This is for favour of information please.

Yours faithfully

  
General Manager,  
Kothagudem Area.  
General Manager  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA

**Copy to:**

The Regional Officer,  
Integrated Regional Office,  
Government of India,  
Ministry of Environment, Forests & Climate Change  
6<sup>th</sup> floor, Aranya Bhavan,  
Hyderabad – 500004

-- for favour of information please.

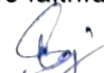
The Chief Conservator of Forest, Kothagudem Circle, Kothagudem – for favour of information please

The District Forest Officer, Bhadradi Kothagudem, for favor of information and with a request to submit this inspection report to the Principal Chief Conservator of Forests (Nodal Officer), TS for favor of information.

The Forest Divisional Officer, Kothagudem, for favor of information and with a request to submit this inspection report to the Principal Chief Conservator of Forests (Nodal Officer), TS for favor of information.



Yours faithfully

  
General Manager,  
Kothagudem Area.  
General Manager  
The S.C.Co.Ltd.,  
KOTHAGUDEM AREA



F. No. 8-62/2005-FC  
Government of India  
Ministry of Environment and Forests  
(F.C. Division)

Paryavaran Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi - 110003.  
Dated: 09<sup>th</sup> July, 2008.  
15<sup>th</sup>

To

The Special Secretary to Government,  
Environment, Forests, Science & Technology Deptt.,  
A.P. Secretariat,  
Hyderabad.

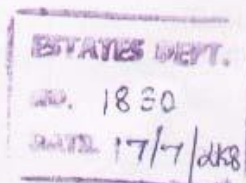
**Sub:** Diversion of 154.96 ha of forest land in Kothagudem Forest Division (Ramavaram Reserve Forest, Compt. No. 11, 12 & 13) for Gouthami Khani OCP, Phase-III in favour of M/s SCCL in Khammam District, Andhra Pradesh.

Sir,

Kindly refer to the State Government's letter No. 1640/For.1(1)/2005-1 dated 10.05.2005 on the subject mentioned above seeking prior approval of the Central Government under the Forest (Conservation) Act, 1980. After careful consideration of the proposal by the Forest Advisory Committee constituted under Section-3 of the said Act, in-principle approval for the said proposal was granted vide this Ministry's letter of even number dated 13.04.2006 subject to fulfilment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the in-principle approval and has requested the Central Government to grant final approval.

In this connection, I am directed to say that on the basis of the compliance report furnished by the State Government vide letter 1640/FOR.I(1)/2005-3 dated 21.06.2007 and by the PCCF vide letter No. 6247/2004-F1 dated 08.05.2008, approval of the Central Government is hereby granted under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 154.96 ha of forest land in Kothagudem Forest Division (Ramavaram Reserve Forest, Compt. No. 11, 12 & 13) for Gouthami Khani OCP, Phase-III in favour of M/s SCCL in Khammam District, Andhra Pradesh subject to fulfilment of the following conditions:

1. Legal status of the diverted forest land shall remain unchanged.
2. (i) Compensatory Afforestation shall be raised and maintained by the State Forest Department at the project cost.  
(ii) Fencing, protection and regeneration of the safety zone area (7.5 metres strip all along the outer boundary of the mining lease area) shall be done at the project cost and a half times the area under



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19.7.08



safety zone, shall also be done at the project cost.. Besides this, afforestation on 100 meter radius of mining lease granted in degraded forest land if density is less than 0.4/enrichment plantation shall be taken up by the user agency in consultation with the Forest department.

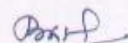
- (iii) Wherever possible and technically feasible, the User Agency shall undertake afforestation measures in the blanks within the lease area, as well as along the roads outside the lease area diverted under this approval, in consultation with the State Forest Department at the project cost.
3. The recommendations made in the Impact Assessment Study carried out by Indian Council of Forestry Research and Education (ICFRE) shall be implemented at the project cost.
  4. The scheme for soil and moisture conservation for the entire watershed area shall be implemented at the project cost.
  5. The non-forest land proposed for Compensatory Afforestation should be transferred and mutated in the name of Forest Department and should be declared as Reserved Forests.
  6. All measures should be taken to prevent pollution of tanks, rivers and nalas, etc. The desilting of adjoining villages in radius of 5 Km may also be taken up by the User agency from time to time.
  7. The period of diversion under this approval shall be twenty (20) years subject to possession of valid lease by the User Agency under the MMDR Act, 1957.
  8. (i) The User Agency shall take up planting work on the static dumps during the advance mining operations and the toe wall around the dump shall be taken up by the user agency.  
(ii) All the dumps shall be fully reclaimed by afforestation immediately after closure of the mine in the shortest possible period under supervision of the State Forest Department.
  9. Any tree felling shall be done only when it is absolutely necessary and unavoidable, and that too under strict supervision of the State Forest Department.
  10. No damage to the flora and fauna of the area shall be caused.
  11. For reclamation works, the top soil should be preserved and should be used for reclamation. The areas shall be reclaimed keeping in view the international practice of stabilizing the dumps by grading / benching so that angles of repose (normally less than  $28^{\circ}$  at any given place) are maintained.

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12. The reclamation plan including siltation tanks shall be implemented and monitored continuously. The User Agency should furnish the extent of area to be technically and biologically reclaimed each year, to facilitate monitoring. The annual report about the progress of reclamation should be submitted to the Chief Conservator of Forests, Regional Office, Bangalore.
13. It shall be ensured that no labour-camps are set up inside the forest area.
14. The mining lease area shall be demarcated on ground at the project cost, using four feet high RCC pillars, with each pillar inscribed with the serial number, forward and backward bearings and distance between two adjacent pillars.
15. The forest land shall not be used for any purpose other than that specified in the proposal.
16. Any other condition that the CCF (Central), Regional Office, Bangalore/ the State Forest Department may impose from time to time for protection and improvement of flora and fauna in the forest area, shall also be applicable.

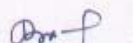
Yours faithfully,

  
(B.K. Singh)

Sr. Assistant Inspector General of Forests

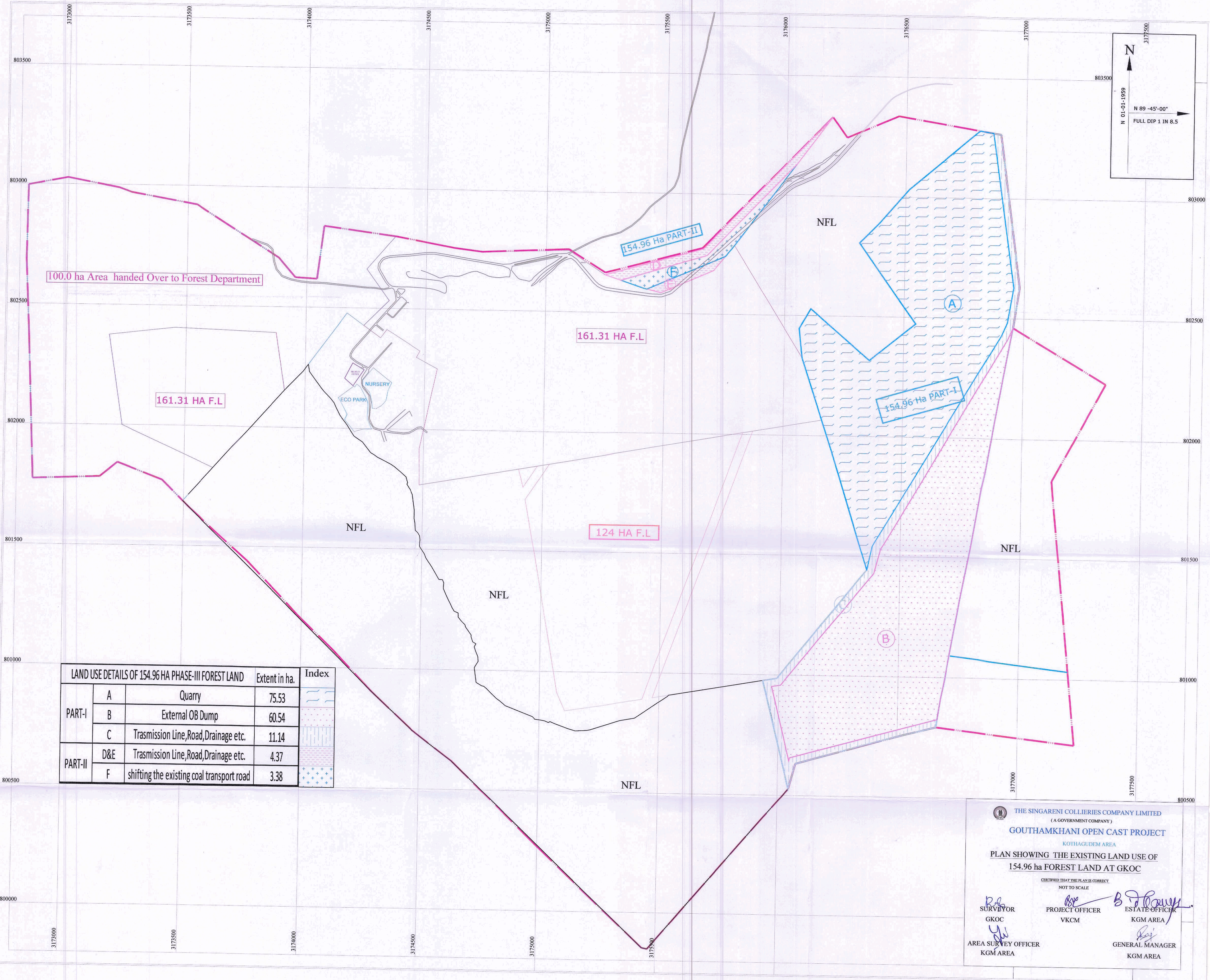
Copy to:

1. Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad.
2. Nodal Officer, Office of the PCCF, Andhra Pradesh, Hyderabad.
3. Chief Conservator of Forests (Central), Regional Office, Bangalore.
4. User Agency.
5. RO(HQ), MoEF, New Delhi.
6. Monitoring Cell, FC Division, MoEF, New Delhi.
7. Guard File.

  
(B.K. Singh)

Sr. Assistant Inspector General of Forests





LAND USE DETAILS OF 154.96 HA PHASE-III FOREST LAND			Extent in ha.	Index
PART-I	A	Quarry	75.53	
	B	External OB Dump	60.54	
	C	Trasmission Line,Road,Drainage etc.	11.14	
PART-II	D&E	Trasmission Line,Road,Drainage etc.	4.37	
	F	shifting the existing coal transport road	3.38	



THE SINGARENI COLLIERIES COMPANY LIMITED

(A GOVERNMENT COMPANY)

GOUTHAMKHANI OPEN CAST PROJECT

KOTHAGUDEM AREA

PLAN SHOWING THE EXISTING LAND USE OF

154.96 ha FOREST LAND AT GKOC

CERTIFIED THAT THE PLAN IS CORRECT

NOT TO SCALE



SURVEYOR

GKOC



AREA SURVEY OFFICER

KGM AREA



PROJECT OFFICER

VKCM



ESTATE OFFICER

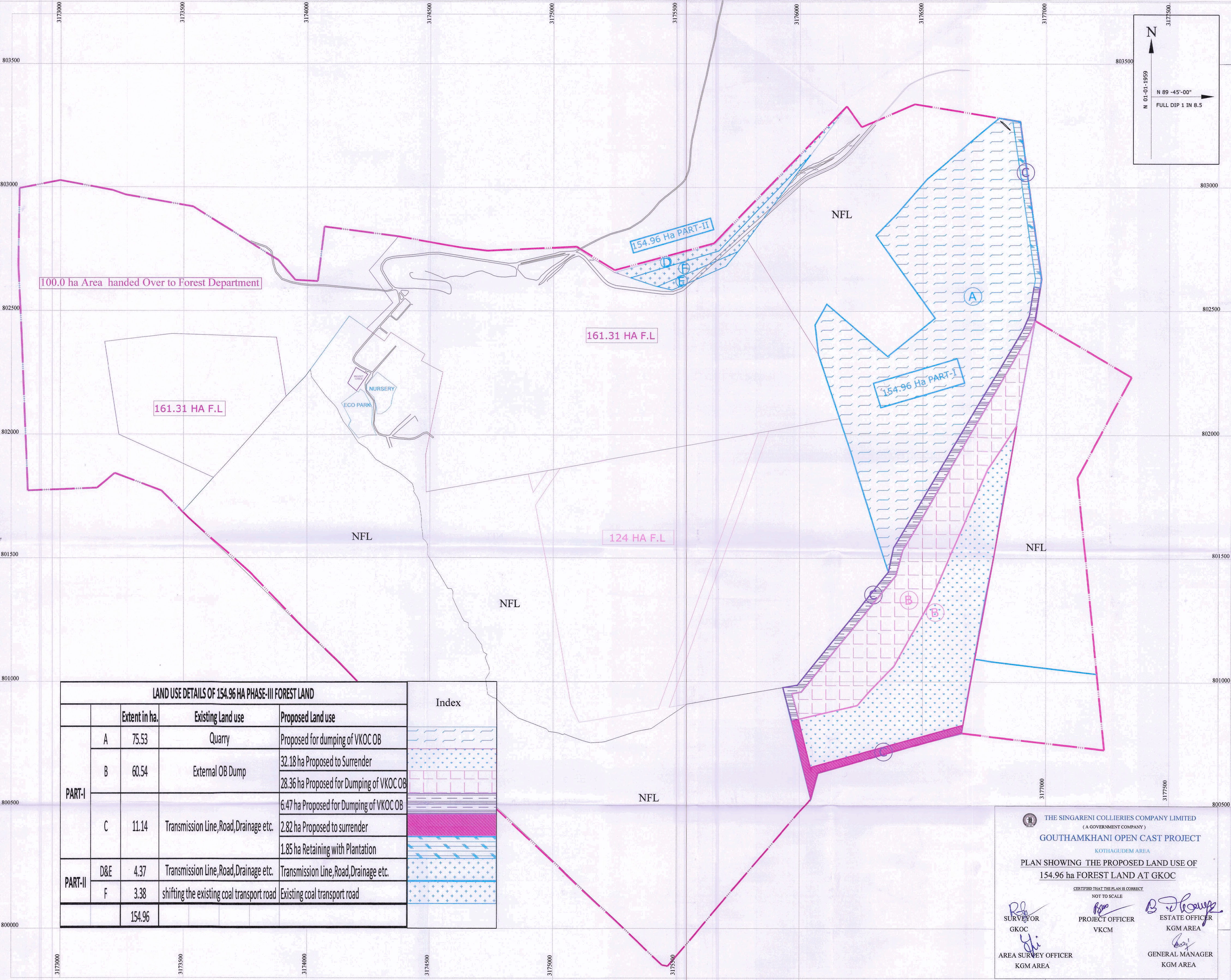
KGM AREA



GENERAL MANAGER

KGM AREA





LAND USE DETAILS OF 154.96 HA PHASE-III FOREST LAND					Index
		Extent in ha.	Existing Land use	Proposed Land use	
PART-I	A	75.53	Quarry	Proposed for dumping of VKOC OB	
	B	60.54	External OB Dump	32.18 ha Proposed to Surrender	
				28.36 ha Proposed for Dumping of VKOC OB	
	C	11.14	Transmission Line,Road,Drainage etc.	6.47 ha Proposed for Dumping of VKOC OB	
PART-II	D&E	4.37	Transmission Line,Road,Drainage etc.	2.82 ha Proposed to surrender	
				1.85 ha Retaining with Plantation	
				shifting the existing coal transport road	
		154.96			

THE SINGARENI COLLIERIES COMPANY LIMITED  
(A GOVERNMENT COMPANY )  
GOUTHAMKHANI OPEN CAST PROJECT  
KOTHAGUDEM AREA

PLAN SHOWING THE PROPOSED LAND USE OF  
154.96 ha FOREST LAND AT GKOC

CERTIFIED THAT THE PLAN IS CORRECT  
NOT TO SCALE

SURVEYOR  
GKOC

PROJECT OFFICER  
VKCM

ESTATE OFFICER  
KGM AREA

AREA SURVEY OFFICER  
KGM AREA

GENERAL MANAGER  
KGM AREA





# THE SINGARENI COLLIERIES COMPANY LIMITED

(A GOVT. COMPANY)

## EXPLORATION DIVISION

### CORPORATE

Kothagudem Collieries-507101, Khammam Dt.A.P.

email : gm\_exp@scclmines.com

Phone-08744-242418

Fax- 08744-245968

Ref.No.CRP/EXP/B-34/ 698

Dt. 21-05-2013

## GM (PP)

### Sub-Submission of Geological data pertaining to combined PVK-5 & VK-7 Mine Block-Reg

Ref No: CRP/PP/L/759/552 Dt 17-8-2012

The combined PVK-5 & VK-7 mine block covering an area of 11.70 sq.km is located in the south central part of Kothagudem coal belt. A total of 126 bore holes involving 29006 m of drilling were drilled in and around the block, out of which 113 bore holes are falling within the block. These bore holes are drilled in different stages and most of the bore holes have not gone up to the required depth and thus the borehole density is inadequate for workable seams. Some of the bore hole locations are not tallying with the structure arrived and these borehole data and locations are not considered while preparing Geo-model of the present block.

The detailed investigations have revealed the existence of 6 coal seams viz. Seam-I, Queen seam, Index-I, Index-II, King seam and Bottom seam in descending order. Out of these Queen seam, King Seam and Bottom seam are extensively developed in the present mentioned block and the remaining seams like I, Index-I, Index-II are in virgin. All the seams are considered as virgin while estimating the reserves, irrespective of the thickness. Since the quality data is inadequate for all the seams, the mine grade is taken into consideration while estimating the reserves for the individual coal seams.

The general trend of the coal measures established from the floor contour plans is WNW-ESE to NNW-SSE and dipping towards NNE to ENE. The general gradient varies from 1 in 6.5 to 1 in 12. A total of 24 faults have been deciphered with throw ranging from 2m to 350m. The Dip side block boundary forms Northern boundary, Fault-9 and incrop of seams forms southern boundary, Fault -1 and Fault- 1A forms western boundary, Fault - 9 forms Eastern boundary. Due to the presence of numerous faults, the entire block is considered as a single sector for reserve estimation.

dc (B-34)



The block under reference has been assessed for opencast potentiality (taking surface levels as a base) considering Bottom seam as a quarry floor. The coal reserves and overburden are calculated and the details are furnished below.

#### SEAM-WISE AREA AND RESERVES

Seam	Area(sq.km)	Reserves(mt)
I seam	4.900	56.601
Queen seam	11.197	104.429
Index-I	11.289	12.712
Index-II	11.314	8.050
King seam	11.600	113.915
Bottom seam	11.719	34.302
<b>Total</b>		<b>330.009</b>

#### DEPTH-WISE, AREA, RESERVES, OVERBURDEN AND STRIPPING RATIOS (Bottom seam as a Quarry floor)

Depth-Range (m)	Total Area (sq.km)	Reserves (m.t)	OB (m.cu.m)	Stripping Ratio	Cum.Reserves (mt)	Cum.Overburden (m.cu.m)	Cum.Stripping Ratio
0-50	0.144	2.165	4.664	2.154	2.165	4.6639	2.154
50-100	0.887	27.558	51.021	1.851	29.723	55.685	1.873
100-150	1.137	38.024	120.815	3.177	67.747	176.500	2.605
150-200	1.533	46.517	238.063	5.118	114.264	414.564	3.628
200-250	2.128	54.461	442.099	8.118	168.726	856.662	5.077
250-300	2.249	55.208	579.680	10.500	223.934	1436.342	6.414
300-350	1.934	57.141	589.213	10.311	281.075	2025.556	7.206
350-400	1.311	36.659	468.466	12.779	317.734	2494.021	7.849
400-450	0.291	7.820	117.899	15.076	325.554	2611.921	8.023
450-500	0.231	6.534	108.313	16.577	332.088	2720.233	8.191
500-550	0.009	0.026	0.855	32.528	332.115	2721.088	8.193

The Geo-Model of the block is prepared with available data by using Minex Horizon 5.3.2

A CD containing the following plates, Tables and Annexures in soft form

1. Statement showing Co-ordinates, Surface Levels and Total depths of bore holes drilled in combined PVK-5 & VK-7 mine block
2. Statement showing correlation of coal seams of combined PVK-5 & VK-7 mine block
3. Seam-wise, Thickness-wise, Depth wise and Grade wise reserves of Seam-I, Queen seam, Index-I, Index-II, King seam & Bottom seam of combined PVK-5 & VK-7 mine block

4. Geological map of combined PVK-5 & VK-7 mine block (RF: 1:5000)
5. Graphic Lithologs of bore holes drilled in combined PVK-5 & VK-7 mine Block (RF-1:1000)
6. Graphic correlation of bore holes drilled in (along dip side) combined PVK-5 & VK-7 mine block (RF-1:1000)
7. Seam structures of I- seam, Queen seam, Index-I, Index-II, King seam & Bottom seam of combined PVK-5 & VK-7 mine block (RF 1:50) (along strike)
8. Floor contour plans of I- seam, Queen seam, Index-I, Index-II, King seam & Bottom seam of combined PVK-5 & VK-7 mine block (RF 1:5000)
9. Roof contour plans of I- seam, Queen seam, Index-I, Index-II, King seam & Bottom seam of combined PVK-5 & VK-7 mine block (RF 1:5000)
10. Iso-chore plans of I- seam, Queen seam, Index-I, Index-II, King seam & Bottom seam of combined PVK- 5 & VK-7 mine block (RF 1:5000)
11. Iso parting plans between I- seam & Queen Seam, Queen & Index-I, Index-I & Index- II, Index-II & King seam, King & Bottom seam of Combined PVK-5 & VK-7 mine block (RF 1:5000)
12. Total coal Iso-chore plan (including seam-I, Queen seam, Index-I, Index-II, King seam & Bottom seam) of combined PVK-5 & VK-7 mine block (RF1:5000)
13. Total Overburden plan (Bottom seam as a quarry floor) with Coal to Overburden ratio lines of combined PVK-5 & VK-7 mine block (RF 1:5000)
14. Total Coal Iso chore plan with Coal to overburden ratio lines of combined PVK-5 & VK-7 mine block (RF 1:5000)

This is for your kind information .

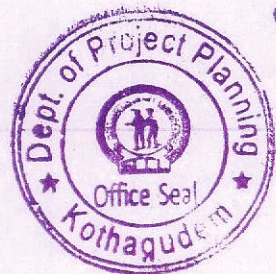
C.c to  
 Dir.(P&P)  
 CGM (CP&P)  
 AGM(G)/KGM } for kind information



  
 Chief of Exploration  
Shankar  
**GENERAL MANAGER**  
 (EXPLORATION)  
 Exploration Division  
 The Singareni Collieries Co. Ltd.,  
 Kothagudem Collieries - 507 101,

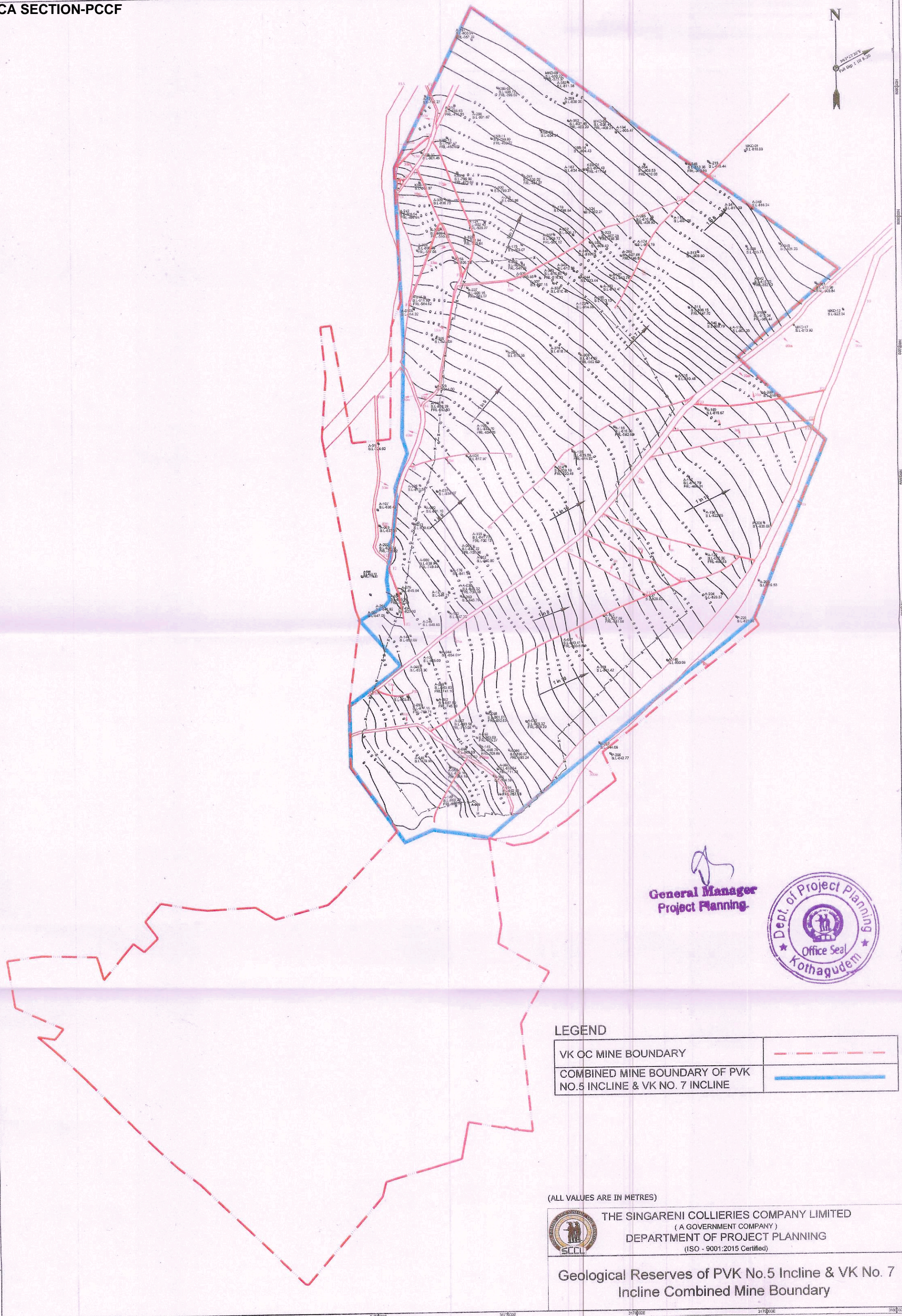


Geological Reserves of PVK No.5 Incline & VK No.7 Incline Combined Mine Boundary												
Surface Mine Reserves		Carlson Mining Software										
Using 14 Limit Inclusion Polylines for: 1S 1S_OB KS IND 2S IND 2S_OB IND 1S IND 1S_OB QS QS_OB BS BS_OB Limit Inclusion Polylines not applied to missing strata: KSTS KSTS_OB KS_OB												
Strata	Total CM	Non-key CM	Thick Geologic	Thick Mined	MinThick	MaxThick	Non-Key Thick	Non-Key Min Thick	Non-Key Max Thick	Key CM	Density	KEY Tonnes
1S_OB	320910402.9	320910402.9	71.25	71.25	0.04	269.78	71.25		0.04	269.78		
1S(Discard)	1646484.9	1646484.9										
1S	31283214.0		7.23	6.87	0.00	306.03				31283214.0	1878.39	58762227.6
QS_OB	1960692441.8	1960692441.8	151.89	151.89	0.00	226.19	151.89		0.00	226.19		
QS(Discard)	2978217.1	2978217.1										
QS	56550583.8		4.61	4.38	0.00	127.69				56550583.8	1815.18	102649553.4
IND 1S_OB	156090957.5	156090957.5	14.86	14.86	0.00	43.45	14.86		0.00	43.45		
IND 1S(Discard)	525485.1	525485.1										
IND 1S	6690564.3		0.67	0.64	0.00	18.69				6690564.3	1640.70	10977208.4
IND 2S_OB	54692456.8	54692456.8	5.20	5.20	0.00	9.25	5.20		0.00	9.25		
IND 2S(Discard)	325535.8	325535.8										
IND 2S	5283385.7		0.53	0.50	0.00	20.88				5283385.7	1665.60	8799982.0
KSS_OB	1219879711.2	1219879711.2	35.48	35.48	0.00	35.48	35.48		0.00	35.48		
KS(Discard)	4234004.8	4234004.8										
KS	80385401.6		7.16	6.81	0.00	39.77				80385401.6	1533.66	123283812.4
BS_OB	37300848.7	37300848.7	3.79	3.79	0.00	13.11	3.79		0.00	13.11		
BS(Discard)	1026877.4	1026877.4										
BS	19291001.7		1.91	1.81	0.00	39.75				19291001.7	1545.85	29821066.5
	3959787575.1	3760303424.1	304.57	303.46	0.04	1150.05	282.46		0.04	597.25	199484151.1	1688.78 334293850.4
						Geological Reserves of PVK No.5 Incline & VK No.7 Incline combined mine boundary						334.2938504 MT

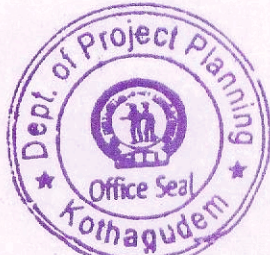


General Manager  
Project Planning.





General Manager  
Project Planning.



LEGEND

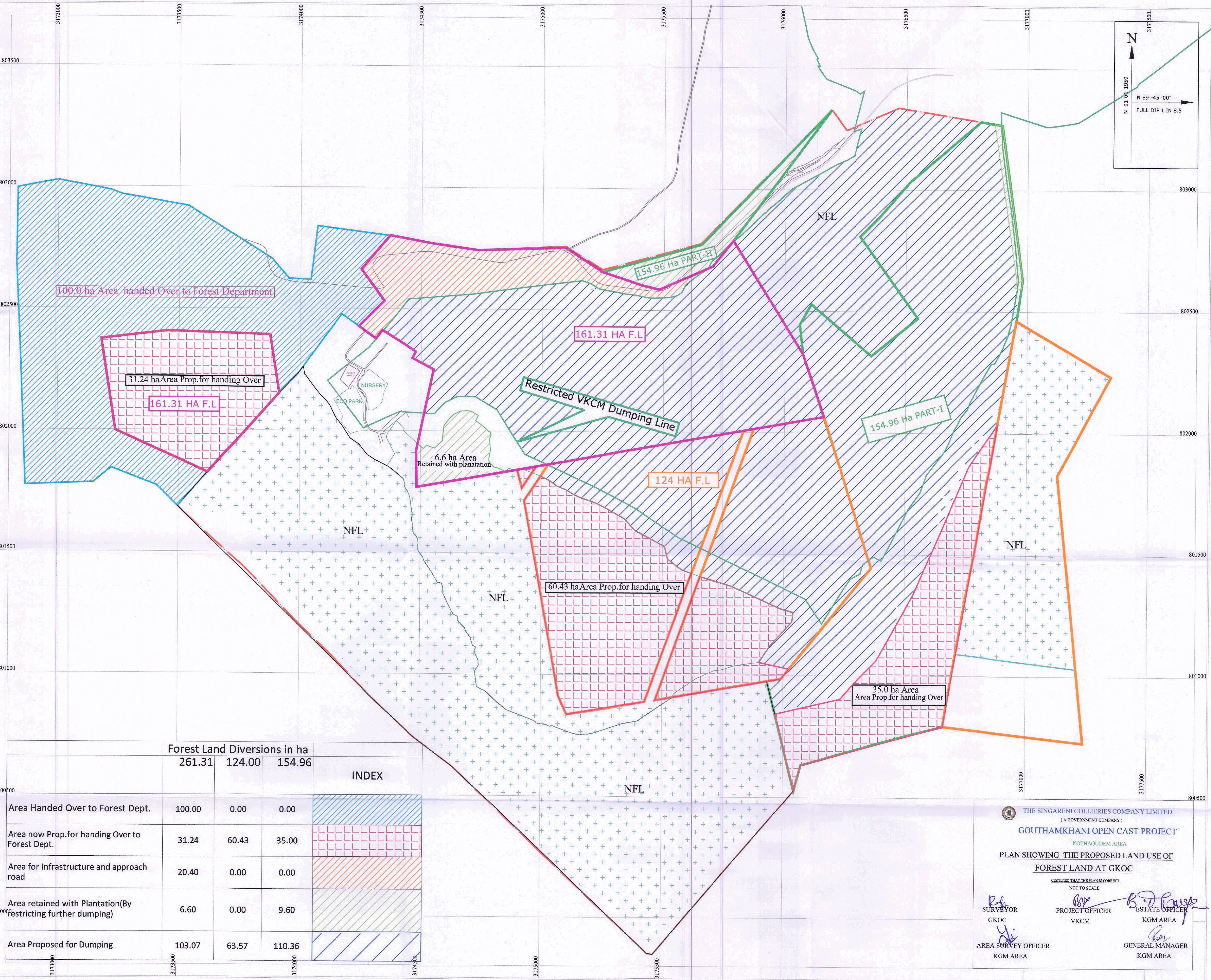
VK OC MINE BOUNDARY	
COMBINED MINE BOUNDARY OF PVK NO.5 INCLINE & VK NO. 7 INCLINE	

(ALL VALUES ARE IN METRES)

THE SINGARENI COLLIERIES COMPANY LIMITED  
(A GOVERNMENT COMPANY)  
DEPARTMENT OF PROJECT PLANNING  
(ISO - 9001:2015 Certified)

Geological Reserves of PVK No.5 Incline & VK No. 7 Incline Combined Mine Boundary





Forest Land Diversions in ha  
261.31 124.00 154.96

	261.31	124.00	154.96	INDEX
Area Handed Over to Forest Dept.	100.00	0.00	0.00	
Area now Prop. for handing Over to Forest Dept.	31.24	60.43	35.00	
Area for Infrastructure and approach road	20.40	0.00	0.00	
Area retained with Plantation(By Restricting further dumping)	6.60	0.00	9.60	
Area Proposed for Dumping	103.07	63.57	110.36	



THE SINGARENI COLLIERIES COMPANY LIMITED  
(A GOVERNMENT COMPANY)  
GOUTHAMKHANI OPEN CAST PROJECT  
KOTHAGUDEM AREA  
PLAN SHOWING THE PROPOSED LAND USE OF  
FOREST LAND AT GKOC  
CERTIFIED THAT THE PLAN IS CORRECT  
NOT TO SCALE



SURVEYOR  
GKOC  
AREA SURVEY OFFICER  
KGM AREA



PROJECT OFFICER  
VKCM



ESTATE OFFICER  
KGM AREA  
GENERAL MANAGER  
KGM AREA



No. 38011/12/2017-PCA

Government of India

Ministry of Coal

Shastri Bhawan, New Delhi,

Dated the 27th January, 2020.

To

The Director (Planning & Projects)  
 The Singareni Collieries Company Limited  
 Kothagudem Collieries -507101,  
 Bhadrachalam Road Rly Station, Khammam District  
 Telangana

**Sub: Mining plan (Including Mine Closure Plan) (2nd Revision) for Venkatesh Khani Opencast Mine (VK OC Mine) (Venkatesh Khani No.7 Incline, Padmavathi Khani No. 5 Incline & Goutham Khani OC Mine) of Singareni Collieries Company Limited-reg**

Sir,

I am directed to refer the subject mentioned above and to state that after due deliberation Standing Committee approved the Mining plan (Including Mine Closure Plan) (2nd Revision) for Venkatesh Khani Opencast Mine (VK-7 Mine) (Venkatesh Khani No.7 Incline, Padmavathi Khani No. 5 Incline & Goutham Khani OC Mine) of M/S Singareni Collieries Company Limited :-

2. The above approval of Standing Committee is subject to the following conditions:
  - i. The Project Proponent shall take all necessary precautions regarding safety of mine workings and persons deployed therein;
  - ii. Mining lease of this block shall not encroach into any other adjacent coal block;
  - iii. The cost of abandonment for carrying out the closure activities envisaged in the Mine closure plan is indicative; the actual cost for carrying out the activities at the time of final closure may be higher. The actual cost of abandonment will have to be borne by the project proponent for carrying out the closure activities.
  - iv. The approval of the Mining Plan (including Mine Closure Plan) is without prejudice to the requirement of approvals from competent / prescribed authority under the relevant rules/ regulations etc.
2. Two copies of approved Mining Plans (including Mine Closure Plans) as mentioned in para 1 above are enclosed herewith.

**Encl : as above**

Yours faithfully,



(Alka Shekhar)

Under Secretary to Government of India

Telefax No:- 011-23386431



**Copy to :-**

1. **Chairman-cum-Managing-Director, The Singareni Collieries Company Limited,  
Kothagudem Collieries, Khammam District, Telangana- 507101**
2. **Under Secretary, CPAM Section, Ministry of Coal**



RESTRICTED CIRCULATION

**MINING PLAN (INCLUDING MINE CLOSURE PLAN) (2<sup>nd</sup> REVISION)  
FOR  
**VENKATESH KHANI COAL MINE (VK COAL MINE)**  
(Amalgamation of Venkatesh khani No.7 Incline, Padmavathi Khani No.5 Incline & Goutham Khani OC Mine)**

**Under Rule 22a(2) of Mineral Concession Rules, 1960**

**VK COAL MINE GEOLOGICAL BLOCK (1808 ha)  
KOTHAGUDEM COAL BELT  
GODAVARI VALLEY COAL FIELD  
KOTHAGUDEM AREA  
BHADRADRI DISTRICT  
TELANGANA STATE**



**Mine Area – 2403.17 ha  
Capacity - 6.3 (OC-5.3 + UG-1) Mty**

**December, 2019**

(After Incorporating Clarifications to the Observations Made by Technical Members of the Standing Committee to the Mining Plan Including Mine Closure Plan- November, 2019)

**(Base Date : April, 2019)**

अल्का शंकर / ALKA SHANKAR  
अवर सचिव / Under Secy.  
भारत सरकार / Govt. of India  
कोयला विभाग / Ministry of Coal  
राज्य, भद्राद्री / State, Bhadradi  
नई दिल्ली / New Delhi

**Volume – I of II  
(Text & Annexures)**

**SHAIK MADAR**  
Additional Manager

**Recognized as Qualified Person (RQP)  
U/R 22(C) of Mineral Concession Rules 1960  
By Ministry of coal, Govt. of India  
Reg.No.34012/01/2015-CPAM, dated 05-10-2017**

Plan Prepared by me

**(SHAIK MADAR)**  
Recognised Qualified Person U/R 22(C)  
of Mineral Concession Rules 1960 by  
Ministry of Coal, Govt. of India.  
Ref.34012/01/2015-CPAM  
Dt. 05-10-2017

**The Singareni Collieries Company Limited**

**(A Government Company)  
Department of Project Planning  
(ISO 9001:2015 Certified)  
P.O. Kothagudem - 507 101  
Bhadradi District :: Telangana State**