

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Smt. R.Sobha, IFS.,
Principal Chief Conservator of Forests
& Head of Forest Force, (FAC)
Telangana State, "Aranya Bhavan",
Saifabad, **Hyderabad - 500004.**

To
The Spl Chief Secretary to Government,
Forests Department,
Telangana State,
"Aranya Bhavan",
Saifabad, **Hyderabad - 500004.**

Ref.No. 9917/2017/FCA-1/PS Dated: 05.08.2020.

Sir,

Sub: TSFD - F(C) Act, 1980 - Diversion of 162.457 Ha of forest land in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancherial District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancherial District - **Additional Information Sought by GoI, MoEF& CC, New Delhi- Information Furnished** - Regarding.

Ref:

1. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2, Dt: 10.01.2019.
2. PCCF Rc.No. 9917/2017/FCA-1/PS, Dt: 24.01.2019.
3. State govt Lr.No.460/For.I(1)/2019, Dt:13.02.2019.
4. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC, Dt:04.07.2019.
5. PCCF Rc.No. 9917/2017/FCA-1/PS, Dt:16.07.2019
6. Director (Planning & Projects), Ref.No. CRP/EST/F/508, Dt: 02.08.2019.
7. PCCF Rc.No. 9917/2017/FCA-1/PS, Dt: 23.08.2019.
8. GoTs, EFS&T(For.I) Dept Lr.No.460/FOR.I(1)/2019, Dt:27.12.2019.
9. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC, Dt:30.12.2019.
10. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC, Dt:20.02.2020.
11. PCCF Rc.No. 9917/2017/FCA-1/PS, Dt: 11.03.2020.
12. General Manager (Estates), SCCL, Bhadradi Kothagudem District, Ref.no.CRP/EST/F/508/398, Dt:20.05.2020.
13. PCCF Rc.No. 9917/2017/FCA-1/PS, Dt: 08.06.2020 & 18.06.2020.
14. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2, Dt: 12.05.2020 & 16.06.2020.
15. General Manager, SCCL, SriRampur Area, Mancherial District, Ref.No.SRP/EST/F/15/2020/273, Dt:03.08.2020.

Vide ref 10th cited, the GoI, MoEF & CC, New Delhi has sought additional information for further consideration of the proposal.

Accordingly, vide ref 12th and 15th cited, the M/s.SCCL and vide ref 14th cited, the Conservator of Forests & Field Director Project Tiger, Kawal TR, Nirmal has furnished information for the points (1), (2) and (3) as desired by the GoI, MoEF & CC, New Delhi which are furnished as follows, with remarks:

A. Soil Suitability Certificate of proposed Compensatory Afforestation.

Reply: The CF & FDPT, Kawal TR, Nirmal has reported (Copy Enclosed) that the FDO, Mancherial has submitted a Site Suitability certificate along with the

revised CA scheme for the identified degraded forest land for Compensatory Afforestation over 324.90 ha of double degraded RF in lieu of the forest land proposed for diversion. It is submitted that there is no change in CA DFL areas already furnished with the proposal.

Further, the FDO, Mancherial reported that the Compt. No. 691, 693,698 of Indaram RF of Mancherial beat are having canopy density of 0.2 to 0.4 ha and the Compt. No. 687,688,689,690 and 805 of Indaram RF & Indaram Ext RF of Venkatapur beat are having canopy density of 0.2 to 0.4 ha. Further, reported that, all the areas except Compt. No 687 & 690 of Venkatapur beat are in Degraded Forest Improvement Circle and Compt.No. 687 & 690 are included in "Conservation Working circle" of the working plan.

Further reported that out of the proposed area of 324.90 ha of degraded forest land, an area of 170 ha is suitable for raising plantations under Semi Mechanical Method and the total no. of plants proposed to be planted are 188870 Nos. The balance area of 154.90 ha is suitable for treatment under Assisted Natural regeneration (ANR) and planting 30980 No's of plants in large gaps (average 200 plants per ha). SMC works are proposed to be taken up in the entire area.

The revised CA scheme is prepared for an financial outlay of Rs.1789.765 lakhs with 10 years of maintenance for consideration.

B. Copy of approved Mining and Progressive Mine Closure Plan:

Reply: M/s SCCL has submitted a copy of Mine Plan (III Revision) and Mine Closure Plan of SRP OC-II Project (SRP OC-II Expansion Project) Srirampur, approved by Ministry of Coal, Gol vide Lr.No13016/1/2017-PCA, dtd.21.08.2017 which is enclosed.

C. Lease Period Details of the proposed diversion:

Reply: M/s SCCL has submitted that the proposed area of diversion is falling in 3 mining leases which are as follows:

S.No	Name of the Mining lease	Area in ha	G.O.No & Date	Validity Period	
				From	To
1.	North Godavari Mining lease	45.22	01, Dt.12.01.2015	22.05.2010	21.05.2030
2.	Sri Rampur Mining lease	11.13	42, Dt.11.02.2008	28.06.2008	27.06.2038
3.	Indaram Mining lease	106.10	15, Dt.23.01.2006	24.07.2000	23.07.2020
	Total:	162.45			

Further, reported that regarding Indaram Mining lease, M/sSCCL has applied for renewal of Indaram Mining lease on 06.04.2019 through online and submitted to the Asst. Director of Mines & Geology, Mancherial on 08.04.2019 and it is under consideration with Director (Mines & Geology Dept). As per the Rule 24A of Mineral

Concession Rules-1960 (MCR - 1960), the lease period will be considered as Deemed to be extended till approved by the State Government. The copies of G.Os issued by the State Government for the mining leases mentioned in the table, the copy of the application of SCCL to the Asst. Director of Mines & Geology, Mancherial and copy of MCR-1960 are enclosed as furnished by M/s SCCL.

In view of the above, the State government are requested to submit the information to GoI, MoEF & CC, New Delhi for consideration of this proposal.

Encl: As above.

Yours faithfully,

Sd/-R.Sobha

Prl. Chief Conservator of Forests(FCA)&
Prl. Chief Conservator of Forests.
(Head of Forest Force) (FAC)

Advance Copy submitted to the Director General of Forests & Special Secretary to the Govt, MoEF & CC, GoI, Indira Paryawarana Bhawan, Jorbagh Road, New Delhi - 110003 for information and necessary action.

Advance Copy submitted to the Inspector General of Forests (FC), MoEF & CC, GoI, Indira Paryawarana Bhawan, Jorbagh Road, New Delhi - 110003. for favor of information.

Copy to the General Manager, M/s Singareni Collieries Corporation Limited, Yellandu for information.

Copy to the Chairman and Managing director, SCCL, Red Hills, PB.No. 18, Khairatabad PO, Hyderabad -500004 for information.

Copy to the Conservator of Forests & Field Director Project Tiger, Kawal-TR, Nirmal for information.

//true copy//

R. Sobha 05/08/2020

Prl. Chief Conservator of Forests.

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17/8/2020



THE SINGARENI COLLIERIES COMPANY LIMITED

(A Government Company)

Registered Office

Kothagudem Collieries (P O)-507101, Bhadrachari Kothagudem Dist. Telangana State

CIN: U10102TS1920SGC000571

Estates Dept., Srirampur Area

P.O. Srirampur Colony-504303, Dist. Mancherial, Telangana State

Phone No.08736-238254

Email: est_srp@scclmine.com

Website: www.scclmines.com

Ref No SRP/EST/ F / 15 /2020/ **273**

Date: 03.08.2020

To
The Pri. Chief Conservator of Forests (FCA) &
Pri. Chief Conservator of Forest
(Head Forest Force)FAC
Telangana, "Aranya Bhavan"
Saifabad, Hyderabad-500004

Madam,

Sub - TSFD-F(C) Act, 1980-Diversion of 162.457 Ha of forest land in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancherial District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancherial District - Additional Information Sought by Govt. MoEF & CC, New Delhi- Requesting -Reg

Ref - Rc No. 9917/2017/FCA-1/PS dated 18.06.2020

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Kind attention is invited to the reference cited on the above subject. It is to bring to the kind notice that the proposed area for diversion (162.45 Ha) is falling in 3 mining leases, details of which are as follows

Sl No	Name of Mining Lease	Area in the proposed diversion	G O No & date	Validity period	
				From	To
1	North Godavari ML	45.22 Ha	01 Dt 12.01.2015	22.05.2010	21.05.2030
2	Sri Rampur ML	11.13 Ha	42 Dt 11.02.2008	28.06.2008	27.06.2038
3	Indaram ML	106.10 Ha	15 Dt 23.01.2006	24.07.2000	23.07.2020
Total :		162.45 Ha.			

It is to submit that regarding Indaram Mining Lease, the renewal application for a further period of 20 years was submitted to the Asst. Director of Mines & Geology, Mancherial and it is under consideration of Mines & Geology Dept. Regarding remaining leases (Sl Nos 1&2), the renewal applications will be submitted by SCCL well in advance before expiry of lease periods

PCCF (SF)

04/08/2020

Pl. put up
URGENT

As per the Rule-24A of Mineral Concession Rules-1960 stated That,

24A. Renewal of mining lease - (1) An application for the renewal of a mining lease shall be made to the State Government in Form I, at least twelve months before the date on which the lease is due to expire, through such officer or authority as the State Government may specify in this behalf.

(6) If an application for renewal of a mining lease made within the time referred to in sub-rule (1) is not disposed of by the State Government before the date of expiry of the lease, the period of that lease shall be deemed to have been extended by a further period till the State Government passes order thereon.

Accordingly, SCCL applied for renewal of Indaram Mining Lease on 06/04/2019 through online and submitted to Asst. Director, Mines & Geology, Mancheri on 08/04/2019. Presently it is under Consideration with Director (Mines & Geology). As per the Rule 24A of Mineral Concession Rules-1960 (MCR- 1960) the Lease Period will be considered as Deemed extended till approved by the State Govt. the copies of G.O.s Issued by the State Govt. for the Mining Leases mentioned in Table, the Copy of application to Asst. Director (Mines & Geology) and Copy of MCR-1960 is enclosed herewith.

Hence, It is requested to kindly consider and forward the information to MoEF & CC, Govt. through State Govt. for diversion of Forest land of 162.45 Ha. in Indaram RF, Mancheri Range of Mancheri Forest Division in Mancheri District for grant of Mining lease for Srirampur Open Cast-II Expansion Project.

Yours faithfully,


**General Manager,
Srirampur Area.**

- Encl**
1. Copy of GO for Srirampur Mining Lease
 2. Copy of GO for Indaram Mining Lease
 3. copy of GO for North Godavari Mining Lease
 4. Copy of application submitted to ADMG, Mancheri for renewal.
 5. Copy of Mineral Concession Rules-1960

CC: GM (Estates)
ASO (Survey), SRP



06019

**The Singareni Collieries Company Limited
(A Government Company)**

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

CIN: U10102TG1920SGC000571

Ref: - CRP/EST/F/508/398

Date: 20.05.2020

**The Principal Chief Conservator of Forests &
Head of Forest Force
Telangana,
Aranya Bhavan
Hyderabad,**

Madam,

Sub:- Diversion of 162.45 Ha. of Forest land in Indaram RF, Mancherial Range of Mancherial Forest Division for SRP OC-II Expansion Project in Srirampur Area - Request to furnish required information/documents on 3 points to the MoEF & CC, Gol. - Reg.

Ref:- 1-MoEF & CC Gol letter No.8-06/2019 FC, dated.20.02.2020.
2-The PCCF Lr.Rc.No.9917/2017/FCA-1/PS, Dt.11.03.2020
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Kind attention is invited to the reference cited, wherein certain additional information has been sought by the MoEF & CC, Gol. Accordingly, following information is herewith submitted.

1- Site suitability certificate for the CA area:

CA scheme has been prepared in double the degraded RF area duly selecting area having density of growth less than 0.4. Accordingly, the Forest Divisional Officer, Mancherial has proposed to adopt Semi-Mechanical Method for planting with species like Hardwickia binata, Emblica, Dalbergia latifolia, Peterocarpus marsupium, Feronia elephantum, Ficus species, Madhuca latifolia and Bamboo.

However, the Forest Divisional Officer, Mancherial may be advised to furnish site suitability certificate as required in proforma (which was not found along with the proposal & even on online).

2- Copy of Approved Mining & Progressive Mine Closure Plan:

A copy of Mine Plan (III Revision) and Mine Closure Plan of SRP OC-II Project (SRP OC-II Expansion Project) Srirampur, approved by Ministry of Coal, Gol vide Lr.No13016/1/2017-PCA, dtd.21.08.2017, is enclosed herewith for perusal. It may be forwarded to the MoEF & CC, Gol.

3- Lease Period Details:

It is brought to the kind notice that the proposed area for diversion (162.45 Ha.) is falling in 3 mining leases, details of which are as follows:

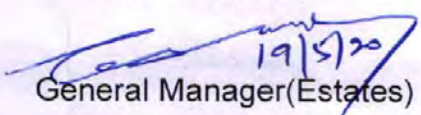
Sl. No.	Name of Mining Lease	Area in the proposed diversion	G.O.No & date	Validity period		Period
				From	To	
1	North Godavari ML	45.22 Ha.	01 Dt.12.01.2015	22.05.2010	21.05.2030	20 Years
2	Sri Rampur ML	11.13 Ha.	42 Dt.11.02.2008	28.06.2008	27.06.2038	30 Years
3	Indaram ML	106.10 Ha.	15 Dt.23.01.2006	24.07.2000	23.07.2020	20 Years
Total :		162.45 Ha.				

With regard to above mining leases, it is to submit that the renewal application for further period of 20 years for Indaram Mining Lease (Sl.No.3) was submitted to the Asst. Director of Mines & Geology, Mancherial and it is under consideration of Mines & Geology Dept. Regarding remaining leases (Sl.Nos.1&2), the renewal applications will be submitted by SCCL well in advance before expiry of lease periods.

A map showing the three leases is enclosed herewith. It is submitted that, while submitting the proposal for diversion of Forest land 162.45 Ha. vide GM, SRP Lr.No.SRP/EST/F/15/2017/312, dtd.28.10.2017, the Principal Chief Conservator of Forests & HoFF, Telangana, was requested to allow validity period of 25 years. Hence, lease period may be considered as 25 years.

Therefore, it is requested to kindly obtain the Site suitability certificate from the Forest Divisional Officer, Mancherial, for the CA Area selected and a consolidated report may be submitted to the MoEF & CC, Gol, New Delhi, for considering the proposal and issue of Stage-I approval urgently.

Yours faithfully,


General Manager(Estates)

Encls: As above.

Copy to:

- 1- The Forest Divisional Officer, Mancherial with a request to furnish Site Suitability Certificate for the CA area.
- 2- The District Forest Officer, Mancherial for favour of information and with request to forward the Site Suitability Certificate for the CA area.
- 3- The Conservator of Forests, Nirmal & Field Director, Tiger Project, Kawal Tiger Reserve, Nirmal, for favor of information and with request to forward the Site Suitability Certificate for the CA area.

No. 13016/1/2017-PCA
Government of India
Ministry of Coal

New Delhi, Shastri Bhawan
Dated 21st August, 2017

To

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

**Sub: Mining Plan (III Revision) and Mine Closure Plan of
SRP OC-II Project (SR OC II Expansion Project), Srirampur
Area of SCCL -Reg**

Sir,

I am directed to refer to your letter number CRP/PP/D/394/400 dated 17.06.2016 on the subject mentioned above and to state that the competent authority has approved the Mining Plan (III Revision) and Mine Closure Plan of SRP OC-II Project (SR OC II Expansion Project), Srirampur Area of M/S Singareni Collieries Company Limited subject to the following conditions:-

- i. The mining company shall backfill the final void utilizing the OB of sequential mine, subject for fulfilling the statutory provisions of MMDR Act 1957 especially in reference to the definition under "Lease area" and other relevant provisions;
- ii. The mining company shall take all necessary precautions regarding safety of mine workings, persons deployed therein.
- iii. Mining lease of this block shall not encroach into any other adjacent block.
- iv. 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.
- v. The approval of the 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 & Mine Closure Plans are enclosed herewith.

Yours faithfully,

 25/8/17

(Kishore Kumar)

Under Secretary to Government of India

Encl : as above

Copy to :-

1. Chairman-cum-Managing-Director
The Singareni Collieries Company Limited
Kothagudem Collieries,
Khammam District
Telangana - 507101
2. Under Secretary, CPAM Section, MOC wrt their letter no.
34011/25/16-CPAM dated 24.07.2017.



THE SINGARENI COLLIERIES COMPANY LIMITED

(A Government Company)

Registered Office

Kothgudem Collieries (P.O)-507101, Bhadradi Kothagudem Dist. Telangana State.

CIN: U10102TS1920SGC000571

Estates Dept., - Srirampur Area

PO: Srirampur Colony-504303, Dist.Mancheri, Telangana State

Phone No.08736-238254

Email:est_srp@scclmine.com

Website: www.scclmines.com

Ref.No.SRP/EST/ F / 15 /2020/ **273**

Date: 03.08.2020.

To
The Pri. Chief Conservator of Forests (FCA) &
Pri. Chief Conservator of Forest
(Head Forest Force)FAC
Telangana, "Aranya Bhavan"
Saifabad, Hyderabad-500004

Madam,

Sub:- TSFD-F(C) Act, 1980-Diversion of 162.457 Ha of forest land in Indaram RF,Mancheri Range of Mancheri Forest Division in Mancheri District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancheri District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancheri District – Additional Information Sought by Gol, MoEF & CC , New Delhi-Requesting -Reg.

Ref:- Rc.No. 9917/2017/FCA-1/PS dated: 18.06.2020

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Kind attention is invited to the reference cited on the above subject. It is to bring to the kind notice that the proposed area for diversion (162.45 Ha.) is falling in 3 mining leases, details of which are as follows:

Sl. No.	Name of Mining Lease	Area in the proposed diversion	G.O.No & date	Validity period	
				From	To
1	North Godavari ML	45.22 Ha.	01 Dt.12.01.2015	22.05.2010	21.05.2030
2	Sri Rampur ML	11.13 Ha.	42 Dt.11.02.2008	28.06.2008	27.06.2038
3	Indaram ML	106.10 Ha.	15 Dt.23.01.2006	24.07.2000	23.07.2020
Total :		162.45 Ha.			

It is to submit that regarding Indaram Mining Lease , the renewal application for a further period of 20 years was submitted to the Asst. Director of Mines & Geology, Mancheri and it is under consideration of Mines & Geology Dept. Regarding remaining leases (Sl.Nos.1&2), the renewal applications will be submitted by SCCL well in advance before expiry of lease periods.

As per the Rule-24A of Mineral Concession Rules-1960 stated That,

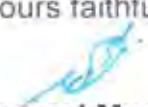
24A. Renewal of mining lease :- (1) An application for the renewal of a mining lease shall be made to the State Government in Form J, at least twelve months before the date on which the lease is due to expire, through such officer or authority as the State Government may specify in this behalf.

(6) If an application for renewal of a mining lease made within the time referred to in sub-rule (1) is not disposed of by the State Government before the date of expiry of the lease, the period of that lease shall be deemed to have been extended by a further period till the State Government passes order thereon.

Accordingly, SCCL applied for renewal of Indaram Mining Lease on 06.04.2019 through online and submitted to Asst. Director, Mines & Geology, Mancherial on 08.04.2019. Presently it is under Consideration with Director(Mines & Geology). As per the Rule 24A of Mineral Concession Rules-1960 (MCR- 1960) the Lease Period will be considered as Deemed extended till approved by the State Govt. the copies of G.O's Issued by the State Govt. for the Mining Leases mentioned in Table, the Copy of application to Asst. Director(Mines & Geology) and Copy of MCR-1960 is enclosed herewith.

Hence, It is requested to kindly consider and forward the information to MoEF & CC, GoI through State Govt. for diversion of Forest land of 162.45 Ha. in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project

Yours faithfully,


**General Manager,
Srirampur Area.**

- Encl:**
1. Copy of GO for Srirampur Mining Lease.
 2. Copy of GO for Indaram Mining Lease
 3. copy of GO for North Godavari Mining Lease.
 4. Copy of application submitted to ADMG, Mancherial for renewal.
 5. Copy of Mineral Concession Rules-1960.

CC: GM (Estates)
ASO (Survey), SRP

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

MINES AND MINERALS - Mining Lease for Coal over an extent of 938.85 Hectares in Sy.No.1 to 89, 91 to 96 of Teegalpahad Village, 30 to 33 of Seetharampalli Village, 35, 38 to 57, 61, 69, 13 to 16, 21 to 26, 31 to 33 of Thadlapally Village, 43, 47, 48, 52 to 57, 59 to 68, 72, 73 to 77 of Singapur Village, 266 to 269, 274 to 276, 282, 283, 251, 255, 278 to 281, 284, 285, 272 to 275, 270, 268, 260, 256, 91 Nallah of Ramraopet Village, 70 to 72, 76, 78, 84, 85, 90 to 92, 96, 97, 93, 94 of Naspur Village & Forest Compartment Nos.704, 705, 709 & 710 of Indaram R.F., Adilabad District, In favour of M/s Singareni Collieries Company Limited, for a period of 30 years - Sanction - Orders - Issued.

INDUSTRIES & COMMERCE (M-III) DEPARTMENT

G.O. Ms. No. 42

Dated: the 11th February, 2008

Read the following:-

1. Govt. Memo. No.7786/M.III(2)/2006-1, dated 30.10.2006.
2. From GOI, Ministry of Coal, Lr. No.13016/14/2007-CA.II, dated 22.12.2006.
3. From DMG, Suppl. F.No. 16629/R8.2/1980, dated 29.11.2007.

ORDER

In the reference 1st read above, State Government have proposed for grant of Mining Lease for Coal over an extent of 938.85 Hectares in Sy.No.1 to 89, 91 to 96 of Teegalpahad Village, 30 to 33 of Seetharampalli Village, 35, 38 to 57, 61, 69, 13 to 16, 21 to 26, 31 to 33 of Thadlapally Village, 43, 47, 48, 52 to 57, 59 to 68, 72, 73 to 77 of Singapur Village, 266 to 269, 274 to 276, 282, 283, 251, 255, 278 to 281, 284, 285, 272 to 275, 270, 268, 260, 256, 91 Nallah of Ramraopet Village, 70 to 72, 76, 78, 84, 85, 90 to 92, 96, 97, 93, 94 of Naspur Village & Forest Compartment Nos.704, 705, 709 & 710 of Indaram R.F., Adilabad District, in favour of M/s Singareni Collieries Company Limited, for a period of 30 years, subject to after obtaining the prior approval of GOI under Sections 5(2) & 6((1)(b) of MM(D&R) Act, 1957 and subject to submission of Consent for Establishment [CFE] from A.P. Pollution Control Board and Environmental Clearance from MoEF, Government of India under Environmental Impact Assessment as per S.O. 1533, Dated 14.09.2006. and also subject to submission of Approved Mining Plan under rule 22(4) of M.C. Rules, 1960 within 6 months from the date of receipt of the said memo.

2. In the reference 2nd read above, the Ministry of Coal, Government of India, have conveyed their approval under Section 5(1)(b) of MM(D&R) Act, 1957 for grant of coal mining lease in respect of 938.85 hectares in Indaram R.F., Adilabad District, Andhra Pradesh for a period of 30 years in favour of M/s SCCL in relaxation under section 6(1)(b) of MM(D&R) Act, 1957, in the interest of development of the minerals as the M.L. area granted so far exceeds 10 Sq. Kms. with the condition that mining lease may be granted to SCCL by the State Govt. only after submission of mining plan duly approved by the Central Govt.

3. In the reference 3rd read above, the Director of Mines and Geology has sent proposals along with the Approved Mining Plan duly approved by the Ministry of Coal, Government of India, for grant of Mining Lease for Coal over an extent of 938.85 Hectares in Sy.No.1 to 89, 91 to 96 of Teegalpahad Village, 30 to 33 of Seetharampalli Village, 35, 38 to 57, 61, 69, 13 to 16, 21 to 26, 31 to 33 of Thadlapally Village, 43, 47, 48, 52 to 57, 59 to 68, 72, 73 to 77 of Singapur Village, 266 to 269, 274 to 276, 282, 283, 251, 255, 278 to 281, 284, 285, 272 to 275, 270, 268, 260, 256, 91 Nallah of Ramraopet Village, 70 to 72, 76, 78, 84, 85, 90 to 92, 96, 97, 93, 94 of Naspur Village & Forest Compartment Nos.704, 705, 709 & 710 of Indaram R.F., Adilabad District, in favour of M/s Singareni Collieries Company Limited, for a period of 30 years, by condoning the delay for submission of Approved Mining Plan for 6 months, subject to submission of Consent for Establishment (CFE) from A.P. Pollution Control Board and Environmental Clearance from MoEF as per stipulations of MoEF (GOI).

4. Government: after careful examination of the above proposal of the Director

extent of 938.85 Hectares in Sy.No.1 to 89, 91 to 96 of Teegalpahad Village, 30 to 33 of Seetharampalli Village, 35, 38 to 57, 61, 69, 13 to 16, 21 to 26, 31 to 33 of Thadiapally Village, 43, 47, 48, 52 to 57, 59 to 68, 72, 73 to 77 of Singapur Village, 266 to 269, 274 to 276, 282, 283, 251, 255, 278 to 281, 284, 285, 272 to 275, 270, 268, 260, 256, 91 Nallah of Ramraopet Village, 70 to 72, 76, 78, 84, 85, 90 to 92, 96, 97, 93, 94 of Naspur Village & Forest Compartment Nos.704, 705, 709 & 710 of Indaram R.F., Adilabad District, in favour of M/s Singareni Collieries Company Limited, for a period of 30 years, by condoning the delay for submission of Approved Mining Plan for 6 months, subject to submission of Consent for Establishment (CFE) from A.P. Pollution Control Board and Environmental Clearance from MoEF as per stipulations of MoEF (GOI) and further subject to satisfaction of MM(D&R) Act, 1957 and rules made thereunder in general, and also subject to the conditions in Form-K prescribed under the Mineral Concession Rules, 1960 and to the additional conditions specified in the Appendix to this order.

5. The rates of royalty, dead rent, cess, surface rent and water charges shall be collectable as follows:

I. Rates of Royalty:

COAL:

A. Coal produced in all States and Union Territories except the State of West Bengal.

(1) Royalty on Coal:

The rates of royalty, which shall be a combination of specific and ad valorem rates of royalty which shall be as follows:

$$R(\text{Royalty Rupees/tonnes}) = a + bP$$

Where 'P' (price) shall mean basic pithead price of ROM (run-of-mine) coal and lignite as reflected in the invoice, excluding taxes, levies and other charges and the values of 'a' (fixed component) and 'b' (variable or ad-valorem component) would be as follows:

Group	Grade of coal	Royalty on coal in Rupees per tonne
Group-I	Steel Gr.-I	a=Rs.180.00
	Steel Gr.II	b=5 per cent
	Washery-I	i.e. Rs.180+5 per cent where 'P' (price)
	Direct Feed	shall mean basic pithead price of ROM (run-of-mine) coal and lignite as reflected in the invoice, excluding taxes, levies and other charges.
Group-II	Washery-II	A=Rs.130.00
	Washery-III	b=5 per cent
	Semi Coking Gr.I	i.e. Rs.130+5 per cent where 'P' (price)
	Semi Coking Gr.II	shall mean basic pithead price of ROM (run-of-mine) coal and lignite as reflected in the invoice, excluding taxes, levies and other charges.
	Grade-A	
Group-III	Grade-B	
	Washery-IV	a=Rs.90.00
	Grade-C	b=5 per cent
Group-IV		i.e. Rs.90+5 per cent where 'P' (price)
		shall mean basic pithead price of ROM (run-of-mine) coal and lignite as reflected in the invoice, excluding taxes, levies and other charges.
	Grade-D	a=Rs.70.00
	Grade-E	b=5 per cent
		i.e. Rs.70+5 per cent where 'P' (price)
		shall mean basic pithead price of ROM (run-of-mine) coal and lignite as reflected in the invoice, excluding taxes, levies and other charges.

Group-V Grade-F
 Grade-G

3
a=Rs.55.00
b=5 per cent
i.e. Rs.55+5 per cent where 'P' (price)
shall mean basic pithead price of ROM
(run-of-mine) coal and lignite as reflected
in the invoice, excluding taxes, levies and
other charges.

II. Dead rent:

Rates of dead rent in rupees per hectare per annum or as revised by Government from time to time.

First Two years of lease	3 rd year onwards
100/-	400/-

III. Surface rent & water charges.: As fixed by the Government from time to time and also Cess.

6. The grantee should pay a deposit of Rs.10,000/- as prescribed under rule 32 of the Mineral Concession Rules, 1960 before the lease is actually executed.
7. The grantee should execute the lease deed within the time limit specified in Rule 31 of Mineral Concession Rules, 1960.
8. The terms and conditions referred to in paras-4 & 5 of this order are subject to such further modifications, additions and alterations as may be ordered before the lease deed is executed.
9. The Director of Mines and Geology shall take necessary further action for the execution of the lease deed after satisfying himself that the grantee fulfils all the required provisions of the amended Act and Rules. As soon as the deed is executed, the date of such execution should be reported to the Government.

NOTE: The grant is liable for cancellation should it be found that it was grossly inequitable or was made under a mistake of fact or owing to misrepresentation or fraud or in excess of authority.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

Y.SRILAKSHMI,
SECRETARY TO GOVERNMENT

To
M/s Singareni Collieries Company Limited,
Kothagudem Collieries -507 101,
The Director of Mines and Geology, Hyderabad.[w.e: File & MP]

Copy to:

The Asst. Director of Mines and Geology, Mancheri, Adilabad District.
The Collector, Adilabad District.
The Secretary to Govt. of India, Ministry of Coal, New Delhi.
The Controller General, Indian Bureau of Mines, Nagpur.
The Director General of Mines Safety, Dhanbad, Bihar.
The Regional Controller of Mines, Kotl, Hyderabad..
SF/SC

// FORWARDED BY ORDER //


SECTION OFFICER



GOVERNMENT OF ANDHRA PRADESH
A B S T R A C T

Mines and Minerals -1st Renewal of Mining Lease for Coal over an extent of 2100.00 Hectares in Chetpally, Tekumatla and Indaram R.F. Villages of Chennur Mandal, Adilabad District for a period of 20 years w.e.f. 29-07-2000 in favour of M/s.Singareni Collieries Company Limited - Granted - Orders - Issued.

INDUSTRIES AND COMMERCE(M.III)DEPARTMENT

G.O.Ms.No. 15.

Dated:23/01/2006

Read the following:-

- 1.G.O.Ms.No.438,Ind.&Com.Dept., Dt:28-05-1979
2. From the DMG F.No. 5545/R2-3/99, dt:26-07-2002.
3. Government Memo.No.17339/M.III(1)/2002-2. Dt:30-09-2002.
4. From the Government of India Letter No.13016/21/2005-CA.II, Dated:27-10-2005.

O R D E R :-

In the reference 1st read above, Government granted Mining Lease for Coal over an extent of 29.00 Sq.Kms in favour of M/s.SCC Ltd., for a period of 20 years.The lease deed was executed on 29-07-1980 and the lease period expired on 28-07-2000.

2. In the reference 4th read above, the Government of India have conveyed their approval under sections 5(1) and 6(1)(b) of the MM(D&R)Act,1957 for grant of 1st Renewal of Mining Lease for Coal over an extent of 2100.00 Hectares in Chetpally, Tekumatla and Indaram R.F. Villages of Chennur Mandal, Adilabad District for a period of 20 years w.e.f. 29-07-2000 in favour of M/s.Singareni Collieries Company Limited since the area of the Mining Lease for Coal exceeds 10 Sq.Kms.

3. In the reference 3rd read above, Govt. have proposed to grant of 1st RML for Coal over an extent of 2100.00 Hectares in Chetpally, Tekumatla and Indaram R.F. Villages of Chennur Mandal, Adilabad District for a period of 20 years in favour of M/s.Singareni Collieries Company Limited for a further period of 20 years w.e.f.29-07-2000, subject to submission of AMP within 6 months from the date of receipt of the Memo.

4. In the reference 2nd read above, the Director of Mines and Geology has sent proposals along with the Approved Mining Plan and recommended for grant of 1st Renewal of Mining Lease for Coal over an extent of 2100.00 Hectares in Chetpally, Tekumatla and Indaram R.F. Villages of Chennur Mandal, Adilabad District for a period of 20 years w.e.f. 29-07-2000 in favour of M/s.Singareni Collieries Company Limited.

5. After careful examination of the above proposal of the DMG, Government hereby grant 1st Renewal of Mining Lease for Coal over an extent of 2100.00 Hectares in Chetpally, Tekumatla and Indaram R.F. Villages of Chennur Mandal, Adilabad District for a period of 20 years w.e.f. 29-07-2000 in favour of M/s.Singareni Collieries Company Limited subject to the provisions of Mines and Minerals (D&R) Act, 1957 and the rules made thereunder in general, subject also to the conditions in Form-K prescribed under the Mineral Concession Rules, 1960 and to the additional conditions specified in the Appendix to this order.

(P.T.O.)

6. The rates of royalty, dead rent, surface rent and water charges shall be collectable as follows:

I. Rates of Royalty:

Coal:

A. Coal produced in all States and Union Territories except the State of West Bengal and Assam

(i) Group I Coals:

- | | |
|---|--|
| <p>(a) Coking coal
Steel Grade I,
Steel Grade II,</p> <p>(b) Hand Picked coal produced
in the States of Arunachal
Pradesh, Assam, Meghalaya
and Nagaland.</p> | <p>Two hundred
and fifty Rupees
only per tonne</p> |
|---|--|

(ii) Group II Coals:

- | | |
|--|---|
| <p>(a) Coking coal Washery Grade -II
Coking Coal Washery Grade-III</p> <p>(b) Semi - Coking Coal Grade I
Semi - Coking Coal Grade II</p> <p>(c) Non-coking Coal Grade - A
Non-coking Coal Grade - B</p> <p>(d) Ungraded Run of Mine Coal pro-
duced in the State of Arunachal
Pradesh, Assam, Meghalaya and
Nagaland</p> | <p>One
hundred
and sixty
Five only per
tonne.</p> |
|--|---|

(iii) Group III Coals:

- | | |
|--|--|
| <p>(a) Coking coal Washery Grade-IV</p> <p>(b) Non-coking Coal Grade - C</p> | <p>One hundred
and fifteen
rupees only
per tonne</p> |
|--|--|

(iv) Group IV Coals:

- | | |
|---|--|
| <p>(a) Non-Coking Coal Grade - D</p> <p>(b) Non-Coking Coal Grade - E</p> | <p>Eighty five
rupees only
Per tonne</p> |
|---|--|

(v) Group V Coals:-

- | | |
|--|---|
| <p>(a) Non-Coking Coal Grade - F</p> <p>(b) Non-Coking Coal, Grade - G</p> | <p>Sixty five
rupees only
per tonne</p> |
|--|---|

(p.t.o.)

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Lignite :

: Fifty rupees
only per tonne

(vi) Group-VI coals:

Coal produced in the State of
Andhra Pradesh

: Ninty Rupees only
per tonne

II. Dead rent:

[Rates of dead rent in rupees per hectare per annum]

3rd year onwards
400/-

III. Surface rent & water charges : As fixed by the Government
From time to time.

7. The grantee should pay a deposit Rs.10,000/- as prescribed under rule 32 of the Mineral Concession Rules, 1960 before the lease is actually executed.

8. The grantee should execute the lease deed within the time limit specified in Rule 31 of Mineral Concession Rules, 1960.

9. The terms and conditions referred to in para-6 of this order are subject to such further modifications, additions and alterations as may be ordered before the lease deed is executed.

10. The Director of Mines and Geology is requested to take necessary further action for the execution of the lease deed after satisfying himself that the grantee fulfils all the required provisions of the amended Act and Rules. As soon as the deed is executed, the date of such execution should be reported to the Government.

NOTE: The grant is liable for cancellation should it be found it was grossly inequitable or was made under a mistake of fact or owing to misrepresentation or fraud or in excess of authority.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA
PRADESH)

B.KRIPANANDAM
SECRETARY TO GOVERNMENT

To
M/s Singareni Collieries Company Limited,
Kothagudem Collieries -507 101,

The Director of Mines and Geology, Hyderabad. [w.e: F& MP]

Copy to:

The Asst. Director of Mines and Geology, Adilabad.

The Collector, Adilabad.

The Secretary to Govt. of India, Ministry of Mines,
Dept. of Mines, New Delhi.

The Controller General, Indian Bureau of Mines, Nagpur.

The Director General of Mines Safety, Dhanbad, Bihar.

(P.T.O.)

//4//

The Regional Controller of Mines, Koti, Hyderabad.
The Ind. & Com.[IF-Cell] Deptt.

SF/SC (A copy of this order is available on the Internet and can be
accessed at the address- "<http://apts.gov.in/apgos>".)

//FORWARDED;BY ORDER//

K. V. Subbarao
SECTION OFFICER

GOVERNMENT OF TELANGANA

ABSTRACT

MINES AND MINERALS - 3rd Renewal of Mining Lease for extraction of Coal over a reduced extent of 4494.00 Hectares involving 1118.11 Hectares of Forest Land at Mandamarri, Kasipet, Kethanpalli Mandals of Adilabad District (North Godavari Area), for a further period of 20 years from 22.05.2010 to 21.05.2030 in favour of M/s. Singareni Collieries Company Limited - Sanction - Orders - Issued.

ENERGY (PR.I) DEPARTMENT

G.O.Ms.No. 01

Dated:12.01.2015.

Read the following:

1. G.O.Ms.No.158, Ind.&Com.(M-III) Dept., dated 28.05.2003.
2. M/s. Singareni Collieries Company Limited 3rd RML Application dated 04.09.2008.
3. MoEF, Gol Lr.No.8-72/93-FC, dated 23.02.1996.
4. MoEF, Gol Lr.No.F(C)/16.1-AP-50-MIN/2408, dated 11.03.2003.
5. MoEF, Gol Lr.No.8-5/1988-FC(pt), dated 04.02.2013.
6. DMG File No.13825/R8/09, dated 21.10.2013.
7. State Govt.Lr.No.722/Pr.1/2014, Energy (PR.I) Department dated 15.12.2014.
8. Ministry of Coal, Gol Lr.No.13016/13/2009, dated 5.1.2015.
9. SCCL Lr.No.CRP/EST/M/603/20, dated 7.1.2015.

ORDER:

In the reference 1st read above, Government have granted 2nd Renewal of Mining Lease for Coal over an extent of 53.89 Sq.Kms. (17.90 Sq.Kms. Forest land and 35.95 Sq.Kms. of Revenue land Total 53.89 Sq.Kms.) at Mandamarri, Kasipet, Kethanpalli Mandals of Adilabad District (North Godavari Area), for a period of 10 years from 22.05.2000 in favour of M/s. Singareni Collieries Company Limited.

2. In the reference 2nd read above, M/s. Singareni Collieries Company Limited have filed application for 3rd renewal of Lease for a reduced area of 4494.00 Ha. involving 1118.11 Hectares of Forest land for a further period of 30 years from 22.05.2010 to 21.05.2040.

3. The Director of Mines & Geology in the reference 6th read above sent proposals for grant of 3rd Renewal of Mining Lease for extraction of Coal over a reduced extent of 4494.00 Hectares involving 1118.11 Hectares of Forest land at Mandamarri, Kasipet, Kethanpalli Mandals of Adilabad District (North Godavari Area), for a further period of 20 years from 22.05.2010 to 21.05.2030 in favour of M/s. Singareni Collieries Company Limited subject to obtain prior approval of Govt. of India under Section 5(1) and relaxation under Section 6(1)(b) of MM(D&R)Act, 1957 and subject to satisfaction of terms and conditions of MM(D&R)Act, 1957 and M.C.Rules, 1960.

4. In the reference 7th read above, State Government have proposed for grant of 3rd Renewal of Mining Lease for extraction of Coal over a reduced extent of 4494.00 Hectares involving 1118.11 Hectares of Forest land for a further period of 20 years from 22.05.2010 to 21.05.2030 in favour of M/s. Singareni Collieries Company Limited and accordingly addressed the Ministry of Coal, Government of India for grant of prior approval under Section 5(1) and relaxation under Section 6(1)(b) of MM(D&R)Act, 1957 subject to satisfaction of terms and conditions of MM(D&R)Act, 1957 and M.C.Rules, 1960.

5. In the reference 8th read above, the Ministry of Coal, Government of India, have conveyed their prior approval for grant of 3rd Renewal of Mining Lease for extraction of Coal over a reduced extent of 4494.00 Hectares for a further period of 20 years from 22.05.2010 to 21.05.2030 under section 5(1) and also relaxation under section 6(1)(b) of MM(D&R)Act, 1957 since the total area of the Mining Lease granted to M/s. Singareni Collieries Company Limited so far exceeded 10 Sq.Kms. in the interest of development of the minerals with a condition to grant renewal only after submission of Mining Plan duly approved by Central Government and obtain the prior approval of the Forest Clearance from MoEF.

6. In the reference 9th read above, M/s. Singareni Collieries Company Limited informed that MoEF in the reference 3rd to 5th read above has already granted approval for the forest land of 1118.11 Ha. (4.85 + 8.26 + 1105.00 = 1118.11) and submitted copies of the MoEF letters. Singareni Collieries have also furnished copies of the Mining Plans approved by Ministry of Coal, Gol through the reference 9th cited.

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7. Government, after careful examination of the matter, hereby grant 3rd Renewal of Mining Lease for extraction of Coal over a reduced extent of 4494.00 Hectares involving 1118.11 Hectares of Forest land at Mandamarri, Kasipet, Kethanpalli Mandals of Adilabad District (North Godavari Area), for a further period of 20 years from 22.05.2010 to 21.05.2030, in favour of M/s. Singareni Collieries Company Limited subject to satisfaction of terms and conditions laid down in MM(D&R) Act, 1957 and M.C.Rules, 1960 and also subject to satisfying conditions in Form-K prescribed under the M.C.Rules, 1960.

8. The rates of royalty, dead rent, surface rent & water charges and cess shall be collectable as follows or as revised by Government from time to time:

I. Rates of Royalty:

COAL:

The rates of royalty on coal shall be @ 14% (fourteen percent) ad-valorem on price of coal, as reflected in the invoice, excluding taxes, levies and other charges.

II. Dead Rent:

Rates of dead rent in rupees per hectare per annum or as revised by Government from time to time.

First year	2 nd year	3 rd & 4 th years	5 th year onwards
100/-	200/-	500/-	1000/-

III. Surface rent & water charges and also Cess: As fixed by the Government from time to time.

9. The grantee should pay a deposit of Rs.10,000/- as prescribed under rule 32 of the Mineral Concession Rules, 1960 before the lease is actually executed.

10. The grantee should execute the lease deed within the time limit specified in Rule 31 of Mineral Concession Rules, 1960.

11. The terms and conditions referred to in para-7 of this order are subject to such further modifications, additions and alternations as may be ordered before the lease deed is executed.

12. The Director of Mines & Geology shall take necessary further action for execution of the lease deed after satisfying himself that the grantee fulfils all the required provisions of the amended Act and Rules. As soon as the deed is executed, the date of such execution should be reported to the Government.

NOTE: The grant is liable for cancellation, should it be found that it was grossly inequitable or was made under a mistake of fact or owing to misrepresentation or fraud or in excess of authority.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

Dr. Sk JOSHI

PRL. SECRETARY TO GOVERNMENT

To
M/s. Singareni Collieries Company Limited,
Kothagudem Collieries-507 101,
Khammam District, Telangana State.
The Director of Mines and Geology, Hyderabad [w.e.File & MP].

Copy to:

The Asst. Director of Mines and Geology, Mancherla, Adilabad District.
The Collector, Adilabad District.
The Secretary to Govt. of India, Ministry of Coal, New Delhi.
The Controller General, Indian Bureau of Mines, Nagpur.
The Director General of Mines Safety, Dhanbad, Bihar.
The Regional Controller of Mines, Koti, Hyderabad.
The Divisional Forest Officer, Mancherla, Adilabad District.
SF/SC.



The Singareni Collieries Company Limited

(A Government Company)

Registered Office

Kothagudem Collieries (P.O.) 507 101

Bhadrachalam Kothagudem District, Telangana State

CIN U10102TS1920SGC000571

Phone No 08744-242375

Fax No 08744-242375

e Mail gm_est@scclmines.com

Website www.scclmines.com

Ref No CRP/EST/M/513/ 2019

Date 06 04 2019

The Asst Director of Mines & Geology
Mancherla

Sir

Sub - Mines & Minerals – Application for sanction of 2nd Renewal of Indaram Mining Lease for "COAL" over an extent of 2100.00 Ha. Including 929.29 Ha Forest land and 1170.71 Ha. Non-Forest land in Jaipur Mandal, Mancherla District, Srirampur area - submission – Reg.

Ref - 1) G.O Ms. No 15 in I&C (M III) Dept. dated 23.01.2006.
2) Transaction R/MAN/0001, Lease ID 0212060009.

Government of Andhra Pradesh vide reference cited above, granted 1st Renewal of Indaram Mining Lease for COAL over 2100.00 Ha. involving 1070.00 Ha Forest Land in favour of M/s Singareni Collieries Company Limited for 20 years from 24.07.2000 to 23.07.2020. For renewal of forest land as per guidelines given by the MoEF&CC, Govt. SCCL conducted the DGPS survey along the Forest land to renewed for diversion. The data was submitted to PCCF and the actual extent covered under forest came to 929.29 Ha. instead of 1070 ha. The balance land was identified as Non forest land. Accordingly, SCCL applied for renewal of forest diversion. A copy of authentication of PCCF for the Forest extent is enclosed.

2 Hence, SCCL proposes to apply for sanction of 2nd Renewal of Indaram Mining Lease for "COAL" over an extent of 2100.00 Ha (929.29 Ha Forest Land and 1170.71 Ha Non-Forest Land) in Srirampur area, Jaipur Mandal, Mancherla District for a further period of 20 years from 24.07.2020 to 23.07.2040.

3 In this connection, we furnish the following documents for taking necessary action in the matter

- Form-J, in triplicate along with copy of application Transaction ID No R/MAN/0001. Dated 06.04.2019 for lease ID 0212060009.
- Processing of application fee for Rs 7,800/- deposited in to the account of Department of Mines and Geology, Govt. of Telangana through Net banking vide Transaction No. QSB17410294855 dated 06.04.2019.

- d An affidavit on a non-judicial stamp of Rs 100/- in lieu of Miner's Revenue Clearance Certificate Annexure-II
- e An affidavit on a non-judicial stamp of Rs 100/- in lieu of Income tax Clearance Certificate Annexure-III
- f An affidavit on a non-judicial stamp of Rs 100/- giving the details of Mining Lease held by SCCL and under process Annexure-IV
- g Copy of Government of India in Ministry of Coal letter No 13016/13/2004-CA dated 15 12 2004 through which approval of Mining Plan was communicated in triplicate Annexure-V
- h Topographical Plan showing the proposed mining lease for 2nd Renewal with co-ordinates in triplicate Plate No 1
- i Geological Plan showing the proposed mining lease for 2nd Renewal in triplicate Plate No 2

4 It is requested that the above application in Form-"J" with its enclosures may please be received and acknowledged. Further, it is to inform that even though the total extent of Mining Lease was not changed, there is no provision in online to mention for the change of extent of Forest land and Non forest land, hence it is requested to notice the change of extents in Forest land and non forest land.

5 Hence, It is requested to arrange to forward application to the Pri. Secretary to Government, Energy Department, Government of Telangana, Hyderabad through Director of Mines & Geology, for according sanction of 2nd Renewal of Indaram Mining Lease for "COAL" over an extent of 2100.00 Ha. Involving 929.29 Ha of Forest Land and 1170.71 Ha of Non-forest land in favour of M/s Singareni Collieries Company Limited for a further period of 20 Years at the earliest.

Yours faithfully,

G.M. (ESTATES)
G.M. (ESTATES)

Encl.-a/a.

CC Director of Mines & Geology. for favour of information please
Government of Telangana.
Hyderabad

G M (PP)

GM, SRP

EM, SRP

(w e)

(w e) The letter in original along with its enclosures are sent here with. Please arrange to handover the hard copies in the o/o of ADMG, Mancherla, and further follow up for early site inspection and submitting report to DMG under intimation to this office.



Government of Telangana
Department of Mines & Geology
Receipt towards Filing of QL Renewal 2019-2020
Transaction Date : 06.04.2019

Lessee ID	0212060009	Transaction ID	R/MAN/0001
Lease Name	THE SINGARENI COLLIERIES COMPANY LIMITED	Owner Name	Indaram Mining Lease
Period From	29.07.2000	Period To	28.07.2020

EXTENT DETAILS

No	Mandal	Village	Land	Survey No	Extent(Ha)
1	Chennur	Chennur	Forest Land	100	1070.00
2	Chennur	Chennur	Government Land	101	1030.00

MINERAL DETAILS

Category	Mineral Name
MAJOR	Coal

PAYMENT PARTICULARS

S. No	Transaction date	Bank TransactionNo	SD Fee	User Charges	Application Fee	Total Amount
1	06.04.2019	QSB17410294855	0.00	300.00	7500.00	7800.00

part of the area held under mining lease by a person other than the lessee, the State Government shall notify this fact by registered post/ Acknowledgement Due to the person who already holds mining leases for another mineral in the land applied for.

(5) (a) If on receipt of the information referred to in sub-rule (4), from the State Government, the lessee applies either for prospecting licence or mining lease for newly discovered mineral or minerals within six months from the date of communication of the information by the State Government, the lessee shall be preferred in respect of such grant.

(b) If the lessee fails to apply for prospecting licence or mining lease within six months, then this fact will be intimated to the applicant by the State Government and the State Government will consider the original application in accordance with the rules.

(6) Omitted.

24A. Renewal of mining lease :- (1) An application for the renewal of a mining lease shall be made to the State Government in Form J, at least twelve months before the date on which the lease is due to expire, through such officer or authority as the State Government may specify in this behalf.

¹[(2) The renewal or renewals of a mining lease granted in respect of a mineral specified in Part 'A' and Part 'B' of the First Schedule to the Act may be granted by the State Government with the previous approval of the Central Government.]

²[(3) The renewal or renewals of a mining lease granted in respect of a mineral not specified in Part 'A' and Part 'B' of the First Schedule to the Act may be granted by the State Government.]

³[Provided that before granting approval for second or subsequent renewal of a mining lease, the State Government shall seek a report from the Controller General, Indian Bureau of Mines, as to whether it would be in the interest of mineral development to grant the renewal of the mining lease.]

Provided further that in case a report is not received from Controller General, Indian Bureau of Mines in a period of three months of receipt of the communication from the State Government, it would be deemed that the Indian Bureau of Mines has no adverse comments to offer regarding the grant of the renewal of mining lease.]

1. Substituted by G.S.R. 56 (F), dated 17.1.2000.

2. Ibid.

3. Inserted by G.S.R. 21(E), dated 11.1.2002.

(4) Omitted.

(5) Omitted.

(6) If an application for renewal of a mining lease made within the time referred to in sub-rule (1) is not disposed of by the State Government before the date of expiry of the lease, the period of that lease shall be deemed to have been extended by a further period till the State Government passes order thereon.

¹[(7) Omitted.]

(8) Notwithstanding anything contained in sub-rule (1) and sub-rule (6) an application for the first renewal of a mining lease, so declared under the provisions of section 4 of the Goa, Daman and Diu Mining Concessions (Abolition and Declaration as Mining Leases) Act, 1987, shall be made to the State Government in Form J before the expiry of the period of mining lease in terms of sub-section (1) of section 5 of the said Act, through such office or authority as the State Government may specify in this behalf:

Provided that the State Government may, for reasons to be recorded in writing and subject to such conditions as it may think fit, allow extension of time for making of such application up to a total period not exceeding one year.

(9) If an application for first renewal made within the time referred to in sub-rule (8) or within the time allowed by the State Government under the proviso to sub-rule (8), the period of that lease shall be deemed to have been extended by a further period till the State Government passes orders thereon.

²[(10) The State Government may condone delay in an application for renewal of mining lease made after the time limit prescribed in sub-rule (1) provided the application has been made before the expiry of the lease.]

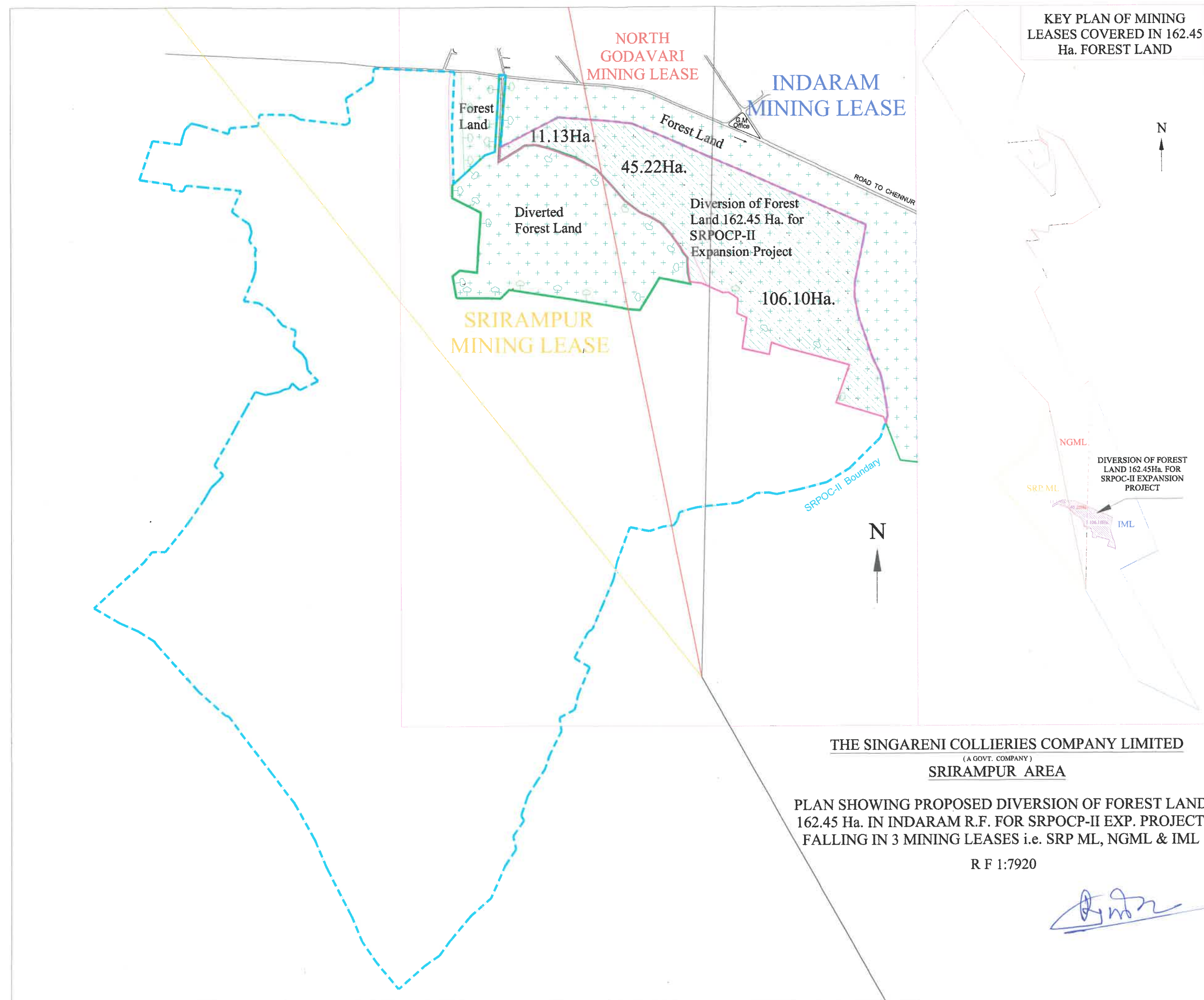
24B. Renewal of a mining lease in favour of a person using the mineral in his own industry :- Every person who is holding a mining lease for a mineral which is used in his own industry shall be entitled for the renewal of his mining lease for a period not exceeding twenty years unless he applies for a lesser period.

Explanation :- "Own industry" means an industry of which the lessee is the owner or in which he holds not less than fifty percent of controlling interest.

³[25. Omitted.]

1 Omitted by G.S.R. 56 (E), dated 17.1.2000. 2. Substituted by G.S.R. 56 (E), dated 17.1.2000.

3. Omitted by G.S.R. 56 (E), dated 17.1.2000



GOVERNMENT OF TELANGANA
FOREST DEPARTMENT

From:
Sri C.P. Vinod Kumar, I.F.S.,
Conservator of Forests &
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.

To:
The Principal Chief Conservator of Forests
(HoFF) & Chief Wildlife Warden,
Telangana State, Aranya Bhavan,
HYDERABAD.

Rc. No. 3644/2017/D2, Date: 16.06.2020.

Madam,

Sub :- TSFD – F(C) Act, 1980 – Diversion of 162.457 Ha of forest land in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancherial District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancherial District – **Additional Information Sought by GoI, MoEF & CC, New Delhi** – Information re-submitted - Regarding.

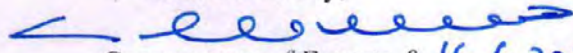
Ref :- 1. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2 dt: 10.01.2019.
2. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 11.03.2020.
3. FDO, Mancherial Rc.No.5444/2017/F3, Dated: 05.05.2020
4. DFO Mancherial Rc.No. 2847/2017/D3 Dt. 11.5.2020
5. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2 dt: 12.05.2020.
6. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 08.06.2020
7. FDO, Mancherial Rc.No.5444/2017/F3, Dated: 12.06.2020

In compliance to the instructions issued vide reference 6th cited above, it is submitted that, the information regarding additional information by the MoEF & CC, GoI, New Delhi ie., Site Suitability Certificate along with the revised CA Scheme for the identified degraded forest land for compensatory afforestation in the proposed areas over 324.90 ha double degraded RF (162.457 Ha) was already submitted to the Principal Chief Conservator of Forests vide reference 5th cited above and the same is reported by the FDO, Mancherial vide ref 7th cited.

I am herewith submitting the copies of the same for favour of kind information and necessary action.

Encl: (As above)

Yours faithfully,


Conservator of Forests &
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.

Copy to the District Forest Officer, Mancherial and Forest Divisional Officer Mancherial for information.

GOVERNMENT OF TELANGANA
FOREST DEPARTMENT

From:
Sri C.P. Vinod Kumar, I.F.S.,
Conservator of Forests &
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.

To:
The Principal Chief Conservator of Forests
(HoFF) & Chief Wildlife Warden,
Telangana State, Aranya Bhavan,
HYDERABAD.

Rc. No. 3644/2017/D2, Date: 12.05.2020.

Madam,

Sub :- TSFD – F(C) Act, 1980 – Diversion of 162.457 Ha of forest land in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancherial District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancherial District – **Additional Information Sought by GoI, MoEF & CC, New Delhi** – Information submitted - Regarding.

Ref :-

1. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2 dt: 10.01.2019.
2. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 24.01.2019.
3. State govt Lr.No.460/For.I(1)/2019 dt:13.02.2019.
4. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:04.07.2019.
5. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 16.07.2019
6. Director (Planning & Projects) ref.no. CRP/EST/F/508 dt: 02.08.2019.
7. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 23.08.2019.
8. GoT, EFS&T(For.I) Dept Lr.No.460/FOR.I(1)/2019 dt:27.12.2019.
9. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:30.12.2019.
10. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:20.02.2020.
11. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 11.03.2020.
12. FDO, Mancherial Rc.No.5444/2017/F3, Dated: 05.05.2020
13. DFO Mancherial Rc.No. 2847/2017/D3 Dt. 11.5.2020

In compliance to the instructions issued vide reference 11th cited above, it is submitted that, regarding additional information by the MoEF & CC, GoI, New Delhi vide ref 10th cited ie., Site Suitability Certificate for the identified degraded forest land for compensatory afforestation, the Forest Divisional Officer, Mancherial has submitted a detailed report on the site suitability for the said afforestation in the proposed areas over 324.90 ha double degraded RF.

It is submitted, the Forest Divisional Officer, Mancherial and DFO Mancherial have reported that, the compartments of C.No.691, 693, 698 of Indaram RF of Mancherial beat are having canopy density of 0.2 to 0.4 Ha and the C.No.687,688, 689, 690 and 805 of Indaram RF& Indaram Ext RF of Venkatapur beat are having canopy density of 0.2 to 0.4 Ha. It is reported that, all the areas except C.No 687 & 690 of Venkatapur beat are in Degraded Forest Improvement Circle. It is reported that, the C.No 687 & 690 of Venkatapur beat have been included in "Conservation Working Circle" of the working plan.

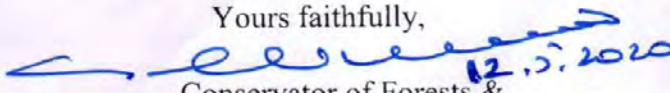
It is reported that, out of the proposed area of 324.90 ha double degraded RF, an area of 170 Ha is suitable for raising plantains under Semi Mechanical method and the total number of plants to be planted is 188870 Nos. The balance area of 154.90 Ha is suitable for treatment under ANR ie tending and planning in large gaps and the number of plants for tending is 156680 Nos and under gap planting is 30980 Nos. SMC works are to be done in the entire area.

The reports of the DFO Mancherial and the FDO Mancherial along with the soil suitability certificate and the Revised CA Scheme are enclosed.

This is submitted for favour of kind information and necessary action.

Encl: (As above along with revised CA scheme)

Yours faithfully,


Conservator of Forests &
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.

Copy to the District Forest Officer, Mancherial and Forest Divisional Officer Mancherial for information.

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From

Shivani Dogra, I.F.S.,
District Forest Officer,
MANCHERIAL.

To ✓

The Conservator of Forests &
Field Director, Project Tiger,
Kawal Tiger Reserve Circle,
NIRMAL

Rc.No.2847/2017/D5, Dated:11.05.2020

Sir,

Handwritten: According to the Sub-Topic

Sub:- TSFD – F(C) Act, 1980 – Diversion of 162.457 Ha of forest land in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancherial District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancherial District – **Additional Information Sought by GoI, MoEF & CC, New Delhi** – Information report submitted - Regarding.

- Ref:-**
1. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2 dt: 10.01.2019.
 2. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 24.01.2019.
 3. State govt Ir.No.460/For.I(1)/2019 dt:13.02.2019.
 4. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:04.07.2019.
 5. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 16.07.2019
 6. Director (Planning & Projects) ref.no. CRP/EST/F/508 dt: 02.08.2019.
 7. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 23.08.2019.
 8. GoT, EFS&T(For.I) Dept Lr.No.460/FOR.I(1)/2019 dt:27.12.2019.
 9. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:30.12.2019.
 10. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:20.02.2020.
 11. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 11.03.2020
 12. F.D.O. Mancherial Rc.No.5444/2017/F3, dated: 05.05.2020

In compliance to the instruction issued vide reference 11th cited above, it is submitted that, the Principal Chief Conservator of Forests, (HoFF), Telagana State, Hyderabad has called for an additional information which was sought by the MoEF & CC, GoI, New Delhi vide reference 10th cited wherein it was stated that the information for the point (1) i.e., Site Suitability Certificate for the identified degraded forest land for compensatory afforestation is pending from the Forest Divisional Officer, Mancherial.

The Forest Divisional Officer, Mancherial vide reference 12th cited above has submitted that, the then Forest Divisional Officer, Mancherial has already inspected the proposed CA land for afforestation for an area of **324.90 Ha** and the CA scheme proposals for raising SMM plantation over 324.90 ha double degraded RF area was prepared and submitted earlier dated:05.08.2018. However, in compliance to the instructions vide reference 11th cited, the present the Forest Divisional Officer, Mancherial has inspected the proposed double degraded area of 324.90 Ha selected in two different beats in different patches and the observations at field and working plan provisions for areas proposed are as follows:

1) Site-I – Mancherial beat (100 Ha):

The Forest Divisional Officer, Mancherial has reported that the site selected for raising SMM plantation over 100 Ha degraded land in Mancherial beat falls in Compt. Nos.691, 693, 698 of Indaram RF. The area is having canopy density of 0.2 to 0.4 Ha with prominently shrub growth with species *Gardenia lucida*, *Dodonea viscosa*, *Gymnosporia spinosa*, *Soymida febrifuga*, *Chloroxylon swetenia*, *Diospyros melanoxylon*, *Acacia sundra*. Only few trees of *Terminalia tomentosa*, *Lannea coromandalica*, *Tectona grandis* scattered in gregarious patches with most of the area open blanks. The existing vegetation is mostly coppice growth and is mostly deformed sapling to pole crop. The vegetation is having stunted growth probably due to edaphic factors and heavy cattle pressure. Some places are covered with *Acacia holoceracia* which needs to be removed during treatment to rejuvenate the area. The soil varies over the entire area with red soil, red morram, rocky, laterite, black. The topography is plain to undulating.

Further the Forest Divisional Officer, Mancherial has reported that the above compartments 691,693 and 698 are included in Degraded Area Improvement Management Circle in the Working plan. The provisions of working plan prescriptions have also been taken care off. As per working plan **Pg.No.62** of Appendix XVIIIA, Vol-II of Working plan 2013-14 to 2022-23, the above areas in C.No. 691, 693,698 of Mancherial beat have been included in “**degraded forest area improvement working circle**”. However, the above said compartments have degraded soil and vegetation growth and introduction of native species, bamboo and fruit bearing species under SMM technique under proper protection will result in improvement of forest cover over the degraded area and change in soil texture. (Copy enclosed.)

2) Site-II – Venkatapur beat (250 Ha):

The Forest Divisional Officer, Mancherial has reported that the site selected for raising SMM plantation over 250 Ha (Effective area 224.9 ha) degraded land in Venkatapur beat falls in C.No.687,688, 689, 690 and 805 of Indaram RF& Indaram Ext RF. The area is having canopy density of 0.2 to 0.4 Ha with prominently shrub growth with species *Gardenia lucida*, *Dodonea viscosa*, *Gymnosporia spinosa*, *Soymida febrifuga*, *Chloroxylon swetenia*, *Diospyros melanoxylon*. Only few trees of *Terminalia tomentosa*, *Lannea coromandalica*, *Tectona grandis* etc scattered in gregarious patches with most of the area open blanks. The vegetation growth varies over the compartments.

Further the Forest Divisional Officer, Mancherial has reported that the out of the above 05 compartments only C.No.689 which covers 100 Ha for proposed plantation is mostly with open patches and only 70 Ha is suitable for SMM plantation. The area of approximately 20 Ha has been treated with staggered trenches as SMC works. The remaining area of approximately 10 Ha is rocky and can be treated as unworkable for plantation. The vegetation is having stunted growth probably due to edaphic factors and heavy cattle pressure. Only few

trees of *Terminalia tomentosa*, *Anogeissus latifolia* exist scattered over the area. The soil varies over the entire area with red soil, red morram, rocky, laterite, black. The topography is plain to undulating.

Further the Forest Divisional Officer, Mancherial has reported that the as per working plan Page No.63 of Appendix XVIIA, Vol-II of Working plan 2013-14 to 2022-23, the above areas in C.Nos. 688 & 689 of Venkatapur beat have been included in "**Ddegraded forest area improvement working circle**". The above said Compartment No. 689 with an proposed degraded area of 102Ha has degraded soil and vegetation growth and introduction of native species, bamboo and fruit bearing species under SMM technique under proper protection will result in improvement of forest cover over the degraded area and change in soil texture. The above areas have been selected for Compensatory Afforestation in Mancherial Range which was earlier approved by the then Forest Divisional Officer, Mancherial for raising SMM plantation. The Forest Divisional Officer, Mancherial has further reported that on his inspection based on the edaphic factors and vegetation growth, it is found that the approximately 70 Ha area falling in C.No.689 is suitable for taking up SMM plantation.

Further the Forest Divisional Officer, Mancherial has reported that the Compt. Nos.687, 688 and 690 is having good vegetation growth and good density in patches which is suitable for ANR treatment by way of tending and planting in large gaps. The existing vegetation is mostly coppice growth and is mostly sapling to pole crop with good root stock density. The vegetation is having stunted growth probably due to edaphic factors and heavy cattle pressure. However, the density of rootstock of vegetation is dense. Only few trees of *Terminalia tomentosa*, *Anogeissus latifolia* exist scattered over the area. The maximum height of the pole crop is 6-7mts. The soil varies over the entire area with red soil, red morram, rocky, laterite, black. The topography is plain to undulating.

Further the Forest Divisional Officer, Mancherial has reported that the as per working plan **Page No.63** of Appendix XVIIA, Vol-II of Working plan 2013-14 to 2022-23, the Compt. Nos.687 & 690 of Venkatapur beat have been included in "**Conservation Working Circle**" where tending operations are also prescribed. The proposed area of 150Ha in the above said compartment No. 687, 688, 690 and 805 is having good vegetation growth and is suitable for ANR operations, gap planting, fruit bearing planting, bamboo planting with intensified SMC works (**copy enclosed**).

The Forest Divisional Officer, Mancherial has submitted Soil Suitability Certificate along with Revised CA scheme proposals which are enclosed herewith.

This is submitted for favour of kind information and necessary action.

Yours faithfully

Encl: (A/a)

11/05/2020
District Forest Officer,
Mancherial.

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

*the
08/5/2020
out up.*

From
Vinay Kumar Sahu
Forest Divisional Officer
Mancherial

To
The District Forest Officer
Mancherial

Re.No.5444/2017/F3, Dated: 05.05.2020

Madam,

Sub:- TSFD – F(C) Act, 1980 – Diversion of 162.457 Ha of forest land in Indaram RF, Mancherial Range of Mancherial Forest Division in Mancherial District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal, Mancherial District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancherial District – **Additional Information Sought by GoI, MoEF & CC, New Delhi** – Information submitted - Regarding.

Ref:- 1. CF & FDPT, Kawal TR, Nirmal Rc.No. 3644/2017/D2 dt: 10.01.2019.
2. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 24.01.2019.
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4. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:04.07.2019.
5. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 16.07.2019
6. Director (Planning & Projects) ref.no. CRP/EST/F/508 dt: 02.08.2019.
7. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 23.08.2019.
8. GoT, EFS&T(For.I) Dept Lr.No.460/FOR.I(1)/2019 dt:27.12.2019.
9. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:30.12.2019.
10. GoI, MoEF& CC, New Delhi F.No.8-06/2019-FC dt:20.02.2020.
11. PCCF Rc.No. 9917/2017/FCA-1/PS dt: 11.03.2020.

It is submitted that vide reference 11th cited, the PCCF, HoFF, Hyderabad has called for an additional information which was in turn sought by the MoEF & CC, GoI, New Delhi vide ref 10th cited wherein it was stated that the information for the point (1) ie., Site Suitability Certificate for the identified degraded forest land for compensatory afforestation is pending from the Forest Divisional Officer, Mancherial.

In view of the above, it is submitted that, the then FDO Mancherial has already inspected the proposed CA land for afforestation for an area of 324.90 Ha and the CA scheme proposals for raising SMM plantation over 324.90 ha double degraded RF area was prepared and submitted earlier dt.05.08.2018. However, in compliance to the instructions vide ref.11th cited, I have inspected the proposed double degraded area of 324.90 Ha selected in two different beats in different patches and the observations at field and working plan provisions for areas proposed are as follows:

1) Site-1 – Mancherial beat (100 Ha):

The site selected for raising SMM plantation over 100 Ha degraded land in Mancherial beat falls in C.No.691, 693, 698 of Indaram RF. The area is having canopy density of 0.2 to 0.4 Ha with prominently shrub growth with species *Gardenia lucida*, *Dodonea viscosa*, *Gymnosporia spinosa*, *Soyimida febrifuga*, *Chloroxylon swetenia*, *Diospyros melanoxylon*, *Acacia sundra*. Only few trees of *Terminalia tomentosa*, *Lannea coromandalica*, *Tectona grandis* scattered in gregarious patches with most of the area open blanks. The existing

vegetation is mostly coppice growth and is mostly deformed sapling to pole crop. The vegetation is having stunted growth probably due to edaphic factors and heavy cattle pressure. Some places are covered with *Acacia holoceraia* which needs to be removed during treatment to rejuvenate the area. The soil varies over the entire area with red soil, red morram, rocky, laterite, black. The topography is plain to undulating.

The above compartments 691,693 and 698 are included in Degraded Area Improvement Management Circle in the Working plan. The provisions of working plan prescriptions have also been taken care off. As per working plan Pg.No.62 of Appendix XVIIIA, Vol-II of Working plan 2013-14 to 2022-23, the above areas in C.No. 691, 693,698 of Mancherial beat have been included in "**degraded forest area improvement working circle**". However, the above said compartments have degraded soil and vegetation growth and introduction of native species, bamboo and fruit bearing species under SMM technique under proper protection will result in improvement of forest cover over the degraded area and change in soil texture.

2) Site-II – Venkatapur beat (250 Ha):

The site selected for raising SMM plantation over 250 Ha (Effective area 224.9 ha) degraded land in Venkatapur beat falls in C.No.687,688, 689, 690 and 805 of Indaram RF& Indaram Ext RF. The area is having canopy density of 0.2 to 0.4 Ha with prominently shrub growth with species *Gardenia lucida*, *Dodonea viscosa*, *Gymnosporia spinosa*, *Soyimida febrifuga*, *Chloroxylon swetenia*, *Diospyros melanoxylon*.. Only few trees of *Terminalia tomentosa*, *Lannea coromandalica*, *Tectona grandis* etc scattered in gregarious patches with most of the area open blanks. The vegetation growth varies over the compartments.

Out of the above 05 compartments only C.No.689 which covers 100 Ha for proposed plantation is mostly with open patches and only 70 Ha is suitable for SMM plantation. The area of approximately 20 Ha has been treated with staggered trenches as SMC works. The remaining area of approximately 10 Ha is rocky and can be treated as unworkable for plantation. The vegetation is having stunted growth probably due to edaphic factors and heavy cattle pressure. Only few trees of *Terminalia tomentosa*, *Anogeissus latifolia* exist scattered over the area. The soil varies over the entire area with red soil, red morram, rocky, laterite, black. The topography is plain to undulating.

As per working plan Pg.No.63 of Appendix XVIIIA, Vol-II of Working plan 2013-14 to 2022-23, the above areas in C.No. 688 & 689 of Venkatapur beat have been included in "**Degraded forest area improvement working circle**". The above said compartment no. 689 with an proposed degraded area of 102Ha has degraded soil and vegetation growth and introduction of native species, bamboo and fruit bearing species under SMM technique under proper protection will result in improvement of forest cover over the degraded area and change in soil texture. The above areas have been selected for compensatory afforestation in Mancherial range which was earlier approved by the then FDO Mancherial for raising SMM plantation. On my inspection based on the edaphic factors and vegetation growth it is found that the approximately 70 Ha area falling in C.No.689 is suitable for taking up SMM plantation.

The C.No.687, 688 and 690 is having good vegetation growth and good density in patches which is suitable for ANR treatment by way of tending and planting in large gaps. The existing vegetation is mostly coppice growth and is mostly sapling to pole crop with good root stock density. The vegetation is having stunted growth probably due to edaphic factors and heavy cattle pressure. However, the density of rootstock of vegetation is dense. Only few trees of *Terminalia tomentosa*, *Anogeissus latifolia* exist scattered over the area. The maximum height of the pole crop is 6-7mts. The soil varies over the entire area with red soil, red morram, rocky, laterite, black. The topography is plain to undulating.

As per working plan Pg.No.76 of Appendix XVIII, Vol-II of Working plan 2013-14 to 2022-23, the C.No 687 & 690 of Venkatapur beat have been included in "Conservation Working Circle" where tending operations are also prescribed. The proposed area of 150 Ha. in the above said compartment no. C.No.687, 688, 690 and 805 is having good vegetation growth and is suitable for ANR operations. gap planting, fruit bearing planting, bamboo planting with intensified SMC works.

The Soil Suitability Certificate ^{revised} along with CA Scheme proposals for the identified degraded forest land for Compensatory Afforestation is enclosed herewith.

This is submitted for favour of kind information and necessary action.

Encl:- 1 Soil Suitability Certificate
2. Maps.
3. CA Scheme proposals,
revised

Yours faithfully

Forest Divisional Officer
Mancherial

Copy submitted to the Conservator of Forests & Field Director Project Tiger, Kawal-TR, Nirmal for information and necessary action.

Forest Divisional Officer
Mancherial

SOIL SUITABILITY CERTIFICATE

Certified that the following double degraded RF lands of 324.90 Ha. for compensatory afforestation in Mancherial range, Mancherial Division in lieu diversion of 162.45 Ha. for SRP OC-II mine in favour of SCCL have been inspected by the undersigned and the suitability for afforestation is as follows:

SNo	Name of Beat	C. No.	RF	Degraded Area proposed for Treatment	Treatment under Semi Mech. Plantation		Treatment proposed under ANR, gap planting & SMC works				Total No of plants proposed for planting
					Area in Ha	No. of plants to be planted @ 1111 Nos per Ha	Area in Ha	No. of plants to be tended under ANR	No. of plants to be planted in Gaps @ 200 Nos per Ha	Total No of plants proposed for treatment under ANR & Gap planting	
1	2	3	4	5	6	7	8	9	10	11	12
2	Mancherial	691, 693, 698	Indaram	100	100	111100	0	0	0	0	111100
3	Venkatapur	687	Indaram	52.9	0	0	52.9	63480	10580	74060	74060
4	Venkatapur	690	Indaram	27	0	0	27	21600	5400	27000	27000
5	Venkatapur	688	Indaram	29	0	0	29	34800	5800	40600	40600
6	Venkatapur	689	Indaram Ext-II	102	70	77770	32	25600	6400	32000	109770
7	Venkatapur	805	Indaram Ext-II	14	0	0	14	11200	2800	14000	14000
			Total	324.9	170	188870	154.9	156680	30980	187660	376530
NOTE: Average No. of Plants proposed per Ha by way of Planting and tending = 1158/ Ha											

The topography of the area is plain to undulating with moderate slope, having stunted forest growth with soil patches which are eroded and the top soil is lost. Some areas have good soil type with red soil, sandy. Other areas are laterite, black, morram and rocky. The soil type varies over the entire area. The vegetation growth mostly comprises of *Gardenia lucida*, *Dodonea viscosa*, *Gymnosporia spinosa*, *Soymida febrifuga*, *Chloroxylon swetenia*, *Diospyros melanoxylon*, *Acacia sundra*. Only few trees of *Terminalia tomentosa*, *Lannea coromandalica*, *Tectona grandis* and other species occur whose spatial distribution over the area is scattered. Due to continuous biotic pressure in earlier years the vegetation is degraded. In Comp. Nos. 687,688,689,690 and 805 there is good rootstock which can be developed by tending operations. Due to lack of SMC structures the soil has leached and eroded. The area is suitable for taking up SMM plantation combined with ANR operations with planning in large gaps over areas specified above with intensified SMC structures. The introduction of grass species underneath plantations for arresting the erosion and development of fodder for wildlife is also proposed.

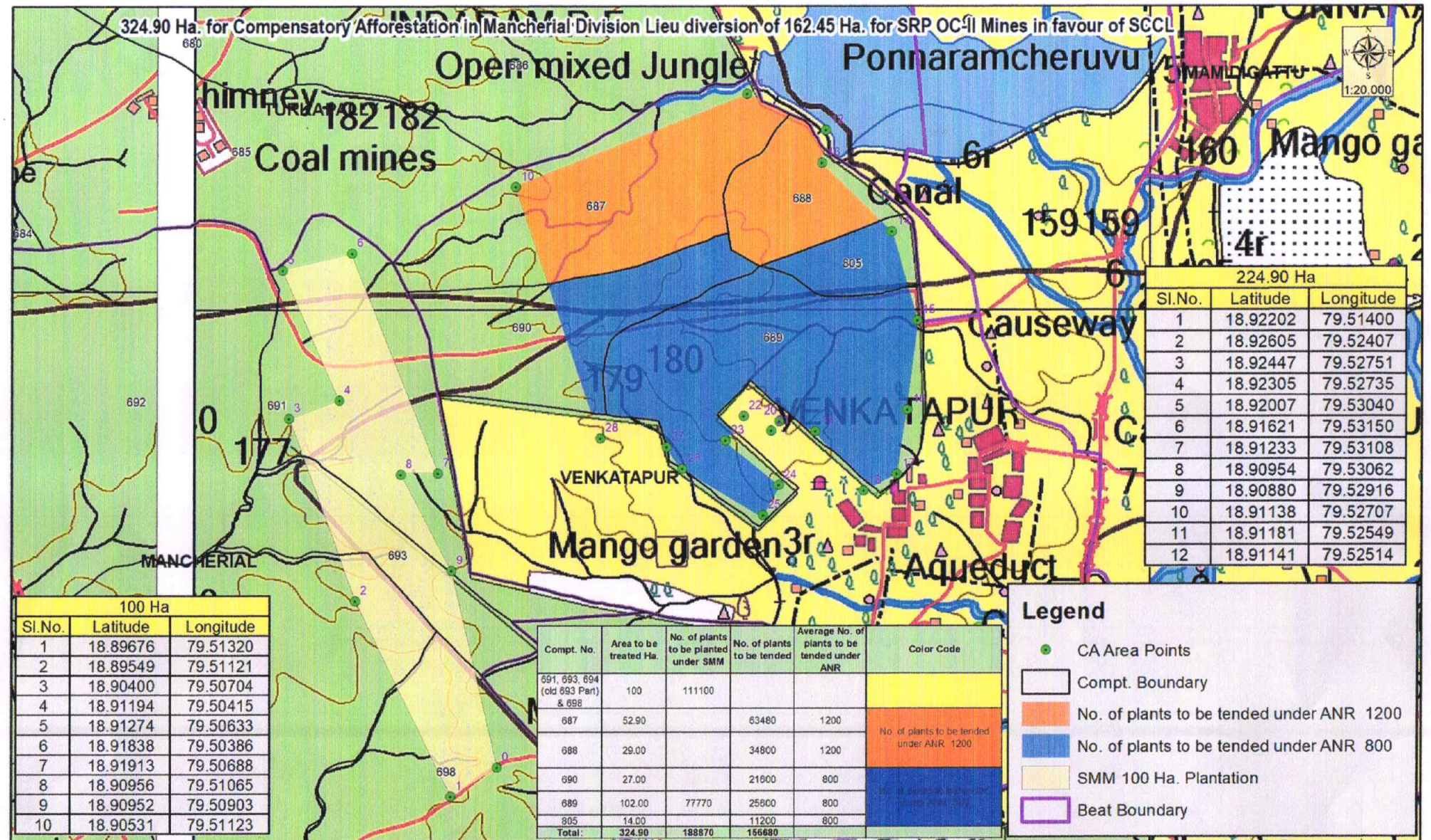
Date: 05/05/2020

//Counter Sign//

[Signature]
District Forest Officer,
Mancherial

[Signature]
Forest Divisional Officer,
Mancherial

[Signature]
Conservator of Forests & 12.5.2020
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.



Counter Signed /

District Forest Officer,
Mancheril

Counter Signed

Conservator of Forests &
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.

Forest Divisional Officer
Mancheril

12.12.2020

CA SCHEME

PROJECT: Diversion of forest land to an extent of 162.457 Ha in Indaram RF for grant of Mining Lease for Srirampur Open Cost-II Expansion Project in Jaipur Mandal of Mancheria District in favour of S.C.Co.Ltd., Srirampur of Mancheria Forest Division.

CA LOCATION: Compt. No.687, 688, 689, 690 & 805 of Venkatapur Beat, Jaipur Section and 691, 693, 698 of Mancheria Beat of Mancheria Section in Mancheria Range of Mancheria Division of RF Indaram & Indaram Ext.II Blocks.

CA AREA: Degraded Forest Land to an extent of 324.90 Ha

**USER AGENCY: M/s. Singareni Collieries Company Ltd.,
Srirampur Area**

Division: Mancheria Forest Division

District: Mancheria

CA Scheme for Degraded Forest Land to an extent of 324.90 Ha in Indaram RF in lieu of diversion for grant of Mining Lease for Srirampur Open Cost-II Expansion Project in Jaipur Mandal of Mancherial District in favour of S.C.Co.Ltd., Srirampur of Mancherial Forest Division.

1.0 INTRODUCTION :

The S.C.Co.Ltd., Srirampur has submitted the proposals for Diversion of 162.457 Ha. of forest land in Mancherial Division For grant of Mining Lease for Srirampur Open Cost-II Expansion Project in Jaipur Mandal of Mancherial District in favour of S.C.Co.Ltd., Srirampur of Mancherial Forest Division.

1.1 The Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide Rc.No.9917/2017/FCA-1/PS, Dated: 28.11.2017 has requested to submit the CA scheme with 10 years maintenance along with co-ordinates in Topo Map as per the following guidelines.

1. As per the 2.5(i) (b) of Hand Book on Forest (Conservation) Act, 1980 & Forest (Conservation) Rules 2003 communicated by the GoI, MoEF&CC, New Delhi in F.No.5-2/2017-FC, Dated: 28.03.2019, Compensatory Afforestation raised and maintained at the cost of the User agency on degraded forest land, **in the cases of grant of Open Cost Mining Lease.**

Accordingly, the Forest Range Officer, Mancherial has identified the degraded forest land to an extent of 324.90 Ha. in two different locations i.e. Compt. No.687, 688, 689, 690 & 805 of Venkatapur Beat, Jaipur Section and 691, 693, 698 of Mancherial Beat of Mancherial Section in Mancherial Range of Mancherial Division of RF Indaram & Indaram Ext.II Blocks for the purpose of CA.

- 1). **Compensatory Afforestation :** Out of 324.90 Ha., of Degraded Forest Land identified an extent of **170.00 Ha.** is proposed for Raising of Planation under SMM Method and 154.9 Ha. is proposed for Rejuvenation of Forest by taking-up ANR works under Compensatory Afforestation scheme as follows:

Degraded Forest Land Area:

Sl. No.	Compt. No.	Beat	Section	Range	Total Area Ha.	Remarks
1.	687, 688, 689, 690 & 805	Venkatapur	Jaipur	Mancherial	224.90	
2.	691, 693, 698	Mancherial	Mancherial	Mancherial	100.00	
				Total:	324.90	

The proposals have been prepared with a cost of **Rs. 1789.765 Lakhs.** The year wise scheme proposals are annexed.

This scheme will be implemented and monitored by the Forest Department at various levels.

The Compensatory Afforestation is prepared over an area of **324.90Ha** of Degraded Forest Land basing on the Forest Schedule of Rates for the year 2020-21 of Zone-II with an escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2020-21.

2.0 AIMS AND OBJECTIVES

The objectives of the scheme are as follows:

- 2.1 For regeneration of Forest which is lost due to the above said project.
- 2.2 To compensatory loss of forest and for ecological balance.
- 2.3 To fulfil broader objective of sustainable environmental conservation for the general good of the people.

3.0 ELEMENTS OF THE PROJECT

- 3.1 Details of the Degraded Forest Land is identified for raising compensatory afforestation is as follows:

3.2 LOCATION

The proposed Compensatory Afforestation area for degraded forest land to an extent of **324.90Ha** is identified in two different locations i.e. Compt. No.687, 688, 689, 690 & 805 of Venkatapur Beat, Jaipur Section and 691, 693, 698 of Mancherial Beat of Mancherial Section in Mancherial Range of Mancherial Division of RF Indaram & Indaram Ext.II Blocks.

3.4 GEOLOGY

The geology of the area proposed for Compensatory Afforestation is Gondwana formation supporting mixed forests.

3.5 SOIL

The soil of the area proposed for Compensatory Afforestation is morram soil.

3.6 CLIMATE

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises up to 47⁰ Centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However Cyclonic rains are common during October - December.

3.7 METHOD OF RAISING PLANTATION:

- a) **Tehcnique:** Semi Mechanical Method and Maintenance for (10) years is proposed in 170 Ha. and Rejuvenation of Forest by taking ANR works is proposed in 154.9 Ha.
- b) **ESPACEMENT:** SMM 3 m x 3 m i.e., 1111 plants per Ha. & Gap Planting 200 Plants per Ha.
- c) **CHOICE OF SPECIES:** Only local forestry species are proposed to be planted. *Maduca indica, Terminalia tomentosa, Terminalia chebula, Holoptelia integrefolia, Sommida febrifuga & Dalbergia latifolia, Buddadermi, Bamboo, All Ficus species, Neem, Usiri, Jamoon, Albezia procera, Albezia odortissima, etc.*
- d) **PROTECTION OF THE PLANTATION:** Since there is lot of biotic pressure in the area proposed for CA, CPT is proposed for successfully raising the plantation. Unless CPT is provided the plantation cannot be protected and the survival will be difficult.

3.8 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

The details of work schedule proposed for compensatory afforestation year wise is as follows:

Sl. No.	Year	Proposed Works
1	2021-22	Raising of Bag Plants nursery
2	2022-23	Maintenance of Bag Plants , Conversion of bag plants, Advance operations, SMC works & Cultural Operation
3	2023-24	Raising operations under SM Method in 170 Ha. & Gap Planting in 155 Ha.
4	2024-25	1 st Year Maintenance
5	2025-26	2 nd Year Maintenance
6	2026-27	3 rd Year Maintenance.
7	2027-28	4 th Year Maintenance.
8	2028-29	5 th Year Maintenance.
9	2029-30	6 th Year Maintenance.
10	2030-31	7 th Year Maintenance.
11	2031-32	8 th Year Maintenance.
12	2032-33	9 th Year Maintenance.
13	2033-34	10 th Year Maintenance.

3.9 COST STRUCTURE

A Compensatory Afforestation Scheme for **Rs. 1789.765 Lakhs** is prepared. The year wise expenditure will be as hereunder:

Sl No	Year	Financial (Rs.in Lakhs)
1	2	3
1	2021-22	136.8915
2	2022-23	342.5589
3	2023-24	447.7686
4	2024-25	347.6383
5	2025-26	150.4149
6	2026-27	70.99622
7	2027-28	53.00379
8	2028-29	52.29078
9	2029-30	29.1994
10	2030-31	38.50761
11	2031-32	30.54401
12	2032-33	46.59421
13	2033-34	36.95825
14	2034-35	6.398433
	Total	1789.765

4.0 COST STRUCTURE OF PLANTATIONS

The cost structure of Compensatory Afforestation including the cost structure for various components of raising and maintenance of plantation for Improvement of Degraded Natural Forests is appended.

4.1 PROVISION OF FUNDS

The funds for the Compensatory Afforestation have to be deposited by the user agency in favour of Telangana Forest Department by following due procedure

through e-payment method by generating the Challan form the Ministry's web portal (parivesh.nic.in). These funds will be utilized by the Forest Divisional Officer, Mancherial for Nurseries, Plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

4.2 OFFICE EXPENSES AND CONTINGENCIES RECURRING

The amount proposed towards Administrative cost are appended.

4.3 CAPITAL EXPENDITURE NON-RECURRING

No amount is proposed towards non-recurring expenditure.

4.4 SCHEME PERIOD

This scheme will be implemented over a period of (14) years commencing from 2021-22. The details of cash flow required for the entire project period is furnished in annexure.

4.5 DETAILS OF PROPOSED MONITORING MECHANISM

The Forest Range Officer, Mancherial, Forest Divisional Officer, Mancherial and District Forest Officer, Mancherial & the Conservator of Forests, Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.

Forest Divisional Officer,
Mancherial
05/05/20

Degreded forest land CA in Manceheial Compt. No. 691, 693, 698 & Venkatapur beat 687,688, 689, 690 and 805 in lieu of Diversion of 162.457 Ha of forest land in Indaram RF, Mancheril Range of Mancheril Forest Division in Mancheril District for grant of Mining lease for Srirampur Open Cast-II Expansion Project in Jaipur Mandal , Mancheril District in favour of M/s. Singareni Collieries Company Limited, Srirampur Area, Mancheril District

Sl. No	Item of Work	Phy	Unit Cost 2020-21(Rs.)	2021-22			2022-23			2023 - 24			2024 - 25			2025 - 26			2026 - 27			2027 - 28		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2			12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
I	Nursery activities																							
1	Raising of Primary beds	Plant	0.3381	250000	0.40909	1.023	150000	0.450000	0.675															
2	Raising of Bag Plants of 6"x8"	Plant	5.7881	250000	7.00363	17.509	150000	7.703997	11.556															
3	Maintenance of Bag Plants of 6"x8"	Plant	2.1678		2.62299		250000	2.88529	7.213	150000	3.1738	4.761												
4	Conversion of bag plants from 6"x8" to 12"x13"	Plant	33.9169		41.03945		250000	45.14339	112.858	150000	49.6577	74.487												
5	Maintenance of Bag Plants of 12"x13"	Plant	9.0200		10.91420			12.00562		250000	13.20618	33.015	150000	14.52680	36.317									
6	Upgradation of central nursery	LS	500000	2	500000	10.000																		
	Sub Total:					28.532			132.303			112.263			36.317			0.000			0.000			0.000
II	Planting activities -SMM -170 Ha @1111 per Ha																							
7	Advance Operations	Ha	20750	0.00	25107.5	0.000	100.00	27618.25	27.618	70.00	30380.08	21.266												
8	Raising of Plantation	Ha	117140				0.00	155913.22	0.000	100.00	171504.54	171.505	70.00	188655.00	132.058									
9	1st Year Maintenance	Ha	61300							0.00	89749.20	0.000	100.00	98724.12	98.724	70.00	108596.53	76.018						
10	2nd Year Maintenance	Ha	17792										0.00	28654.48	0.000	100.00	31519.92	31.520	70.00	34671.92	24.270			
11	3rd Year Maintenance	Ha	12639													0.00	22390.26	0.000	100.00	24629.29	24.629	70.00	27092.22	18.965
12	4th Year Maintenance	Ha	9880																0.00	19253.84	0.000	100.00	21179.23	21.179
13	5th Year Maintenance	Ha	9880																			0.00	21179.23	0.000
14	6th Year Maintenance	Ha	1989																					
15	7th Year Maintenance	Ha	7899																					
16	8th Year Maintenance	Ha	1989																					
17	9th Year Maintenance	Ha	7899																					
18	10th Year Maintenance	Ha	1989																					
	Sub Total:					0.000			27.618			192.771			230.783			107.537			48.900			40.144
III	Rejuvenation ANR activities 155 ha @ 200 plants/ha																							
7	Advance Operations	Ha	25474	0.00	30823.5	0.000	155.00	33905.89	52.554		37296.48	0.000												
8	Raising of Plantation	Ha	21304				0.00	28355.55	0.000	155.00	31191.11	48.346	0.00	34310.22	0.000									
9	1st Year Maintenance	Ha	19603							0.00	28701.01	0.000	155.00	31571.11	48.935	0.00	34728.22	0.000						
10	2nd Year Maintenance	Ha	10635										0.00	17128.06	0.000	155.00	18840.86	29.203	0.00	20724.95	0.000			
11	3rd Year Maintenance	Ha	5179													0.00	9174.42	0.000	155.00	10091.86	15.642	0.00	11101.05	0.000
12	4th Year Maintenance	Ha	2420																0.00	4716.41	0.000	155.00	5188.05	8.041
13	5th Year Maintenance	Ha	2170																			0.00	4652.16	0.000
14	6th Year Maintenance	Ha	857																					
15	7th Year Maintenance	Ha	1921																					
16	8th Year Maintenance	Ha	857																					
17	9th Year Maintenance	Ha	1921																					
18	10th Year Maintenance	Ha	857																					
19	Cultural operations	Ha	8000	0.00	9680.0	0.000	155.00	10648.00	16.504															
	Sub Total:					0.000			69.059			48.346			48.935			29.203			15.642			8.041

Sl. No	Item of Work	Phy	Unit Cost 2020-21(Rs.)	2021-22			2022-23			2023 - 24			2024 - 25			2025 - 26			2026 - 27			2027 - 28		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
IV	Others																							
20	Digging of borewell & installation of Solar pump	No	450000	1	544500.0	5.445	1.00	598950	5.990	1.00	658845	6.588												
21	Collection & Cost of Seed for Grass land	LS				5.000																		
22	Rasing of fodder plots for the wildlife with chainlink fence of 1 ha each- 4 units.	LS	250000	2	275000.0	5.500	2.00	302500.00	6.050															
23	Mangement of natural grasslands	ha	17000	20	18700.0	3.740	20.00	20570.00	4.114															
	Sub Total:					19.685			16.154			6.588			0.000			0.000			0.000			0.000
IV	SMC Works																							
29	Digging of CPT in km	km	150000	6.00	181500	10.890	6	199650	11.979															
30	Bund plantation in km	km	30000		36300		6.00	39930	2.396	6.00	43923	2.635												
31	Construction of Percolation Tanks	No	200000	5.00	242000	12.100	5	266200.00	13.310															
32	Construction of Mini Percolation Tanks	No	50000	5.00	60500	3.025	5	66550.00	3.328	5	73205.00	3.660												
33	Construction of Checkdams	No	1500000	1.00	1815000	18.150	2	19.97	0.000	1.00	200000.00	2.000												
34	Staggered trenches	cum	265	10000	321	32.065	10000	352.72	35.272	10000	387.99	38.799												
	Sub Total:					76.230			66.284			47.094			0.000			0.000			0.000			0.000
	Total:					124.447			311.417			407.062			316.035			136.741			64.542			48.185
V	Adminstrative cost 10%					12.445			31.142			40.706			31.603			13.674			6.454			4.819
	Grand Total					136.891			342.559			447.769			347.638			150.415			70.996			53.004

Degreded forest land CA in Manceheial Compt. No. 691, 693, 69
Mining lease for Srirampur O

Sl. No	Item of Work	2028 - 29			2029 - 30			2030 - 31			2031- 32			2031- 32			2032-33			2033-34			Grand Total	
		Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Fin
1	2	33	34	35	36	37	38	39	40	41	39	40	41	39	40	41	39	40	41	39	40	41	51	52
I	Nursery activities																							
1	Raising of Primary beds																						400000	1.698
2	Raising of Bag Plants of 6"x8"																						400000	29.065
3	Maintenance of Bag Plants of 6"x8"																						400000	11.974
4	Conversion of bag plants from 6"x8" to 12"x13"																						400000	187.345
5	Maintenance of Bag Plants of 12"x13"																						400000	69.332
6	Upgradation of central nursery																							10.000
Sub Total:				0.000			0.000			0.000			0.000			0.000			0.000			0.000		309.414
II	Planting activities -SMM -170 Ha @1111 per Ha																							
7	Advance Operations																						170	48.884
8	Raising of Plantation																						170	303.563
9	1st Year Maintenance																						170	174.742
10	2nd Year Maintenance																						170	55.790
11	3rd Year Maintenance																						170	43.594
12	4th Year Maintenance	70.00	23297.15	16.308																			170	37.487
13	5th Year Maintenance	100.00	23297.15	23.297	70.00	25626.86	17.939																170	41.236
14	6th Year Maintenance	0.00	4690.58	0.000	100.00	5159.64	5.160	70.00	5675.61	3.973												170	9.133	
15	7th Year Maintenance				0.00	20488.66	0.000	100.00	22537.52	22.538	70.00	24791.28	17.354									170	39.891	
16	8th Year Maintenance							0.00	5675.61	0.000	100.00	6243.17	6.243	70.00	6867.48	4.807						170	11.050	
17	9th Year Maintenance										0.00	24791.28	0.000	100.00	27270.41	27.270	70.00	29997.45	20.998			170	48.269	
18	10th Year Maintenance													0.00	6867.48	0.000	100.00	7554.23	7.554	70.00	8309.65	5.817	170	13.371
Sub Total:				39.605			23.098			26.510			23.597			32.078			28.552			5.817		827.010
III	Rejuvenation ANR activities 155 ha @ 200 plants/ha																							
7	Advance Operations																						155	52.554
8	Raising of Plantation																						155	48.346
9	1st Year Maintenance																						155	48.935
10	2nd Year Maintenance																						155	29.203
11	3rd Year Maintenance																						155	15.642
12	4th Year Maintenance	0.00	5706.86	0.000																			155	8.041
13	5th Year Maintenance	155.00	5117.37	7.932	0.00	5629.11	0.000																155	7.932
14	6th Year Maintenance	0.00	2021.39	0.000	155.00	2223.52	3.446	0.00	2445.88	0.000												155	3.446	
15	7th Year Maintenance				0.00	4983.27	0.000	155.00	5481.59	8.496	0.00	6029.75	0.000									155	8.496	
16	8th Year Maintenance							0.00	2445.88	0.000	155.00	2690.46	4.170	0.00	2959.51	0.000						155	4.170	
17	9th Year Maintenance										0.00	6029.75	0.000	155.00	6632.73	10.281	0.00	7296.00	0.000			155	10.281	
18	10th Year Maintenance													0.00	2959.51	0.000	155.00	3255.46	5.046	0.00	3581.01	0.000	155	5.046
19	Cultural operations																						155	16.504
Sub Total:				7.932			3.446			8.496			4.170			10.281			5.046			0.000		258.599

Sl. No	Item of Work	2028 - 29			2029 - 30			2030 - 31			2031- 32			2031- 32			2032-33			2033-34			Grand Total	
		Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Fin
IV	Others																							
20	Digging of borewell & installation of Solar pump																							18.023
21	Collection & Cost of Seed for Grass land																						0	5.000
22	Rasing of fodder plots for the wildlife with chainlink fence of 1 ha each- 4 units.																							11.550
23	Mangement of natural grasslands																							7.854
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000		42.427
IV	SMC Works																							
29	Digging of CPT in km																						12	22.869
30	Bund plantation in km																						12	5.031
31	Construction of Percolation Tanks																						10	25.410
32	Construction of Mini Percolation Tanks																						15	10.013
33	Construction of Checkdams																						4	20.150
34	Staggered trenches																						30000	106.135
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000		189.608
	Total:			47.537			26.545			35.007			27.767			42.358			33.598			5.817		1627.059
V	Administrative cost 10%			4.754			2.654			3.501			2.777			4.236			3.360			0.582		162.706
	Grand Total			52.291			29.199			38.508			30.544			46.594			36.958			6.398		1789.765

Forest Divisional Officer
Mancherial

/ Counter Signed /

District Forest Officer
Mancherial

Counter Signed
12.7.2020
Conservator of Forests &
Field Director Project Tiger,
Kawal Tiger Reserve, Nirmal.

UNIT COST FOR RAISING OF PRIMARY BEDS

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
1	01.00.00	PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.			
2	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	Bed	5.20	5.20
3	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	40.06	40.06
4	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	Bed	30.2925	30.29
5	01.01.05	For every extra km beyond 5 km upto 25 km	Bed	1.15	1.15
6	01.01.06	Cost and transport of 0.025 cum FYM	Bed	26.04	26.04
7	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and lavelling.	Bed	11.39	11.39
8	01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	Bed	13.02	13.02
10	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	Bed	350.00	350.00
11	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and bradcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	Bed	12.97	12.97
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	45 Days	14.60	14.60
13	01.01.14	Kerbing the primary beds all around with Cement Bricks (in permanent nurseries only), if required. In all such permanent primary beds, no incurring of expenditure for making the primary beds every year is permitted except for cost of fungicides.	Bed	39.00	39.00
14	01.01.15	Cost of chemicals, fungicide and insecticide	Bed	39.00	39.00
16		Electrical Charges		32.00	32.00
		Total			614.71
		Rasing of seedlings 110% for obtaining 100%		10%	61.47
		Total			676.18
		cost of each plant (2000 plants per bed)			0.34

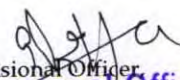

 Forest Divisional Officer
 Mancherial
 Mancherial

UNIT COST FOR BAG PLANT NURSERY

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
	01.03.	BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) or 10"x16" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in February - March. Hence the bags are to be filled during January - February when the soil is dry.					
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 6"x8" (250 gauge) bags and arranging in secondary beds (Bed size: 10.00 m X 1.00 m).					
1	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	Bed	1	52.08	1	52.08
		Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.					
2	01.03.03	(b) 15.00 cm x 20.00cm(6" x 8") size bags: 250 g: 275 Nos / kg (1100 + 15% = 1265) (1265/275 = 209.09 Kgs)	Kg	4.60	180.00	1	828.00
	0.1.03.04	Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.05	Distance upto 5 km					
3	01.03.05	(c) 15.00 Cm X 20.00 cm(6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags	No's	1100	529.99	1000	582.99
	01.03.06	For every extra km beyond 5 km upto 25 km					
4	01.03.06	12.5 cm x 22..5 cm (5" x 9") = 1.12 cum vol. for 1000 bags (20 Kms x 13.18 = 206.00)	No's	1100	263.60	1000	289.96
	01.03.08	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.					
5	01.03.08	(c) 15.00 Cm X 20.00 cm(6" X 8") 1100 bags per bed	No's	1100	1048.37	1000	1153.21
6	01.03.09	Alignment of beds including alignment of inspection paths etc	Bed	1	7.98	1	7.98
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	1100	147.74	1000	162.51
8	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	No's	1100	83.70	1000	92.07
9	01.03.12	Watering the plants (2 Months) twice a day from Feb-March - a)					
		Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	4	286.76	1	1147.04
10	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March	Bed	4	52.66	1	210.64
11	01.03.14	1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted	Bed	1	245.96	1	245.96
12	01.03.15	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	Bed	1	69.83	1	69.83
13	01.03.16	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.	Bed	1	34.00	1	34.00
14	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	2	35.91	1	71.82

15	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	9194	100	367.76
16		Electricity charges					300.00
		Total					5615.85
17		Add casualty 10%					751.09
		2020-21 Grand Total					6366.94
		cost of each plant (1100 plants per bed)					5.7881

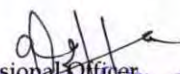
10% escalation every year


 Forest Divisional Officer
 Mancherla

UNIT COST FOR MAINTENANCE OF BAG PLANTS (6"x8")

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		MAINTENANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
1	01.03.19	(a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	5	273.10	1	1365.50
2	01.03.20	Weeding the beds during May & July	Bed	2	52.66	1	105.32
3	01.03.21	Shifting, grading and rearrangement in beds	Bed	1	245.96	1	245.96
4		Electricity charges					300.00
5	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	9194	100	367.76
		2020-21 Total					2384.54
		cost of each plant (1100 plants per bed)					2.1678

10% escalation every year

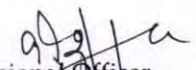

 Forest Divisional Officer
 Mancherla

UNIT COST FOR CONVERSION FROM 6"x8" to 12"x13"

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		CONVERSION of Root Trainer plants or 6"x8" or 12"x13" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).					
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.03	Cost of Gusseted Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.					
		g) 30 cm x 32.50 cm (12" x 13") size Gusseted Polybags: 400g, 52 bags/ kg (300 + 15% = 345) (345/52 = 6.63 Kgs)	Kgs	6.635	180.00	1	1194.23
	01.03.24	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	c	(k) 6" x 8" to 12" x 13" bags (9.315 - 1.433 = 7.882 cum) (20 Km x 72.40 = 1448.00)	No	300	1448.00	1000	434.40
	01.03.25	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	c	(f) 6" x 8" to 12" x 13" bags (9.315 - 1.433 = 7.882 cum)	No	300	4112.55	1000	1233.77
	01.03.27	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)					
3	c	6" x 8" to 12" x 13" bags (9.315 - 1.433 = 7.882 cum)	No	300	5196.99	1000	1559.10
	01.03.33	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weeding					
4		Weeding the plants (2 weeding)	Bed	2	52.66	1	105.32
5	01.03.34	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	245.96	1	491.92
	01.03.35	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	286.81	1	1434.05
	01.03.37	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					30.00

7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	9194	100	367.76
8		Cost of the polythene bags					2340.00
9	01.03.39	Electricity charges					500.00
		Total					9690.54
10	01.03.38	Contingencies @ 5%					484.527
		2020-21 Total for 300 plants					10175.07
		cost of each plant					33.9169

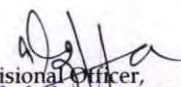
10% escalation every year


 Forest Divisional Officer,
 Mancherial

UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August)

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	01.04.00	MAINTENANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 300 Nos. of 12"x13" bags: 400 Nos. of 10"x16" bags per bed)					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	273.10	1	1092.40
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	52.66	1	52.66
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	245.96	1	491.92
4	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	20.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	28.98	1	28.98
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	9194.00	100	367.76
8	01.04.09	Electricity charges			500.00		500.00
		Total					2578.72
9	01.04.08	Contingencies @ 5%					128.94
		2020-21 Total					2707.66
		cost of each plant (300 Plants per bed)					9.0255

10% escalation every year


 Forest Divisional Officer,
 Mancherla
 Mancherla

UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal)

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	177.14	1	708.54
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	245.96	1	245.96
3	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/month	5	9194.00	100	459.70
		Total					1414.20
		cost of each plant (300 Plants per bed)					4.7140

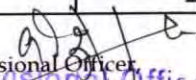
10% escalation every year


 Forest Divisional Officer
 Mancherla

Advance Operations under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00	ADVANCE OPERATION (PRE-PLANTING OPERATION) - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitability and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.				
02.08.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	1	356.65	Plantation	357
02.08.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. The unsuitable area shall be excluded from the clearing operation and the expenditure shall be incurred for effective area only. All the above operations shall be completed before December.				
	(a) Sparse Jungle growth (<10% ground area covered with Jungle growth)	0.40	2081.36	Ha	833
	(b) Very light jungle growth (>10% and upto 20% covered with Jungle growth)	0.40	3128.53	Ha	1251
	(c) Light Jungle Growth (>20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.20	7350.00	Ha	1470
02.08.03	Uprootal of Stumps (excluding unsuitable patches) to a minimum depth of 45 cm with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal, and levelling. For retrieved encroached area, the approval of Circle Head is required and the approval should indicate clearly the density of stumps or vegetation to be removed through uprootal. The uprootal work can be carried out preferably through tender process.				
	(a) Sparse Jungle Growth (< 10% ground area covered with Jungle growth)	0.40	5184.30	Ha	2074
	(b) Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)	0.40	10034.10	Ha	4014
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.20	13044.80	Ha	2609
02.08.04	Collection and Removal of Uprooted Stumps of all sizes, other debris etc., to outside the plantation site.				
	(a) Sparse Jungle Growth (< 10% ground area covered with Jungle growth)	0.40	5796.11	Ha	2318
	(b) Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)	0.40	9197.79	Ha	3679
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.20	10724.65	Ha	2145
			Total		20750
			Unit Rate for 2020-21		20750


 Forest Divisional Officer
 Mancherial

Raising of Plantation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
II	RAISING OF BLOCK PLANTATIONS				
02.09.	SEMI-MECHANICAL PLANTATION				
02.09.	PLANTING OPERATIONS DURING RAISING YEAR				
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1066.07	Ha	1066.07
	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough (FOR UNTILLED AREA) - to be completed by 15th of June				
02.09.02	(b) Hard soils like gravel and morum	1	5109.90	Ha	5109.90
	Note: After intensive site preparation including clear-felling, burning, stump uprootal, removal of uprooted material, ploughing with the provision of removal of remnants of root suckers from soil, it is expected that there would not be any coppice growth subsequently at least for next 5-7 years.				
	Alignment & Stacking including demarcation of base line				
02.09.04	(c) 3X3 m espacement = 1111 planting points	1111	89.36	100No.	992.79
02.09.05	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height) which includes cost of stake, coaltar application at the bottom of the stake (30 cm), transportation, fixing and tying.	1111	1200	100No.	13332.00
	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil				
02.15.03	b) 60 cm ³ pits (48.56/2 = 24.2812)	1111	24.28	Pit	26976.47
	PLANTING OPERATIONS DURING RAISING YEAR				
02.09.07	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)				
	(b) 30 X 32.5 cm (12"X13") bag plants	1111	206.43	100 Nos.,	2293.00
02.09.08	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	(b) 30 X 32.5 cm (12"X13") bag plants	1111	153.00	100 Nos.,	1700.00
02.09.09	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)				
	(b) 30 X 32.5 cm (12"X13") bag plants	1111	77.00	100 Nos.,	855.00
02.09.10	Internal transportation to planting points on head loads				
	(b) 30 X 32.5 cm (12"X13") bag plants	1111	142.01	100 Nos.,	1578
	PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)				
02.09.11	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	1111	39.27	100 Nos.,	436
	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (Rs. 2/- per plant)	As per actual	2222	Ha.	2222
02.09.12	Planting in 60 cm ³ Pit	1111	970.88	100 Nos.,	10787

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.09.14	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1059.44	100 Nos.,	11770
02.09.15	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as			
	Digging of pits	222	48.563	Each	10781
	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	222	206.43	100 Nos.,	458
	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	222	153.00	100 Nos.,	340
	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	222	77.00	100 Nos.,	171
	Internal transportation to planting points on head loads	222	142.01	100 Nos.,	315
	(b) Planting in 60 cm ³ Pit	222	970.88	100 Nos.,	2155
02.09.16	Cost of DAP @ 25 gm / planting point	1111	1.20	Each	1333
02.09.17	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	1111	39.27	100 Nos.,	436
02.09.18	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	124.95	100 Nos.,	1388
02.02.19	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	656.25	100 Nos.,	7291
02.09.20	Inter-ploughing (during November) the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough				
	(b) Hard gravelly soil	1	3184.50	1.00	3185
02.09.21	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	1111	124.22	100 Nos.,	1380
02.09.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing.	1	3650.90	Ha.	3651
02.09.24	Contingencies provision for Raising of plantaitons:	As per actual			1000
02.09.25	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	4138	Ha	4138
			Total		117140
Unit Rate for 2020-21					117140


 Forest Divisional Officer
 Mancherla

1st year maintenance of Plantation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha.

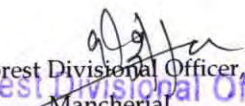
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
	Cost of transportation of soil mixture for filling the pit and spreading around the pit - 25 % of pit - 0.25 x 0.6 cm x 0.6 cm x 0.6 cm	21.6	352.23	cum	7608
02.10.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July.		Pitting, planting, transportation and internal transportation same as prescribed in fresh		
	Digging of pits	278	48.563	Each	13500
	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	278	206.430	100 Nos.,	574
	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	278	153.000	100 Nos.,	425
	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	278	77.000	100 Nos.,	214
	Internal transportation to planting points on head loads	278	142.010	100 Nos.,	395
02.15.11	(b) Planting in 60 cm³ Pit	278	970.883	100 Nos.,	2699
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.09.14	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1059.44	100 Nos.,	11770
02.10.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	124.95	100 Nos.,	1388
02.10.03	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	656.25	100 Nos.,	7291
02.10.04	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	1	3650.90	1.00	3651
02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	1	2321.40	1.00	2321
02.10.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100.00	1381
02.10.07	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec.) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 2.5 m at the end of raising year				0
02.10.08	Contingencies provision for maintenance of plantations:				500
03.01.04	Formation of Sector Lines / Fire Lines to a width of 5 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level.	100	8.22	Rmt	822
02.10.09	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	5517	Ha	5517
			Total		61300
Unit Rate for 2020-21					61300


Forest Divisional Officer,
Mancherial

2nd year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

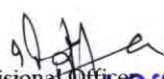
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.11.01	Broadcasting of Stylosanthes hamata seeds in the interplanting rows of the plantations raised under semimechanical plantations by ploughing with a tractor mounted cultivator after receipt of good rains in the month of June-July in place of existing provision of interploughing in the month of September given for the 1st and 2nd year MAINTENANCE years of semi-mechanical plantations				
	(a) Cost of S. hamata Seeds	5	62.00	1	310
	(b) Inter ploughing using tractors with cultivator in 1st year maintenance and old plantations	1	1996.21	1	1996
	(c) Broadcasting of S. hamata seeds followed by by dragging / sweeping with a bunch of thorny branches to ensure a thin cover of soil over the broadcasted seeds.	1	88.83	1	89
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	656.25	100 Nos.,	7291
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
02.11.05	Contingencies provision for maintenance of plantaitons:				
	i) Maintenance of Plantation Boards and Corner Stones				300
	ii) Contingencies and Miscellaneous				300
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.02.20	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	5517	Ha	5517
			Total		17792
			Unit Rate for 2020-21		17792


 Forest Divisional Officer,
 Mancherla

3rd year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

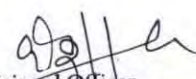
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	656.25	100 Nos.,	7291
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
02.11.05	Contingencies provision for maintenance of plantaitons:				
	i) Maintenance of Plantation Boards and Corner Stones				300
	ii) Contingencies and Miscellaneous				300
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.02.20	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	2758	Ha	2758
			Total		12639
			Unit Rate for 2020-21		12639


 Forest Divisional Officer
 Mancherial

4th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

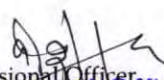
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	656.25	100 Nos.,	7291
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
02.11.05	Contingencies provision for maintenance of plantaitons:				
	i) Maintenance of Plantation Boards and Corner Stones				300
	ii) Contingencies and Miscellaneous				300
			Total		9880
			Unit Rate for 2020-21		9880


 Forest Divisional Officer,
 Mancheria
 Forest Divisional Office
 Mancheria

5th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	656.25	100 Nos.,	7291
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
02.11.05	Contingencies provision for maintenance of plantaitons:				
	i) Maintenance of Plantation Boards and Corner Stones				300
	ii) Contingencies and Miscellaneous				300
			Total		9880
Unit Rate for 2020-21					9880


 Forest Divisional Officer
 Mancherial

6th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

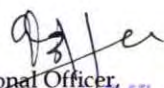
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
			Total		1989
			Unit Rate for 2020-21		1989

Forest Divisional Officer
Mancherial

7th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	656.25	100 Nos.,	7291
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		7899
		Unit Rate for 2020-21			7899


Forest Divisional Officer,
Mancherial

8th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
			Total		1989
			Unit Rate for 2020-21		1989

Forest Divisional Officer,
Mancherial

9th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha.

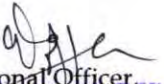
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	656.25	100 Nos.,	7291
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		7899
			Unit Rate for 2020-21		7899


Forest Divisional Officer,
Mancheria
Mancheria

10th year maintenance Plantatation under Semi Mechanical Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.11.03	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	1111	124.27	100 Nos.,	1381
			Total		1989
			Unit Rate for 2020-21		1989


Forest Divisional Officer
Mancherial

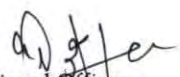
Advance Operations under Labour Intensive Method

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00	ADVANCE OPERATION (PRE-PLANTING OPERATION) - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitability and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.				
02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	1	374.48	Plantation	374
02.01.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. All the above operations should be completed before December.				
	(a) Sparse Jungle growth (<10% ground area covered with Jungle growth)	0.30	2081.36	Ha	624
	(b) Very light jungle growth (>10% and upto 20% covered with Jungle growth)	0.30	3128.53	Ha	939
	(c) Light Jungle Growth (>20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.40	7350.00	Ha	2940
03.01.04	Formation of Sector Lines / Fire Lines to a width of 5 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level.	100	8.22	Rmt	822
02.01.05	Alignment and stacking including demarcation of baseline				
	(a) 200 plants per ha	200	118.91	100 No's	238
02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site	200	56.96	100 No's	114
02.01.06	Digging of pits during January to March				
	(b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.57 for 45 cm cube pit	200	60.61	Each	12122
SSR	Cost and transportation of soil mixtue for filling half of the pit and spreading around the pit - 0.6 cm x 0.6 cm x 0.6 cm = 0.216 cum	43.2	169.00	cum	7301
			Total		25474
			Unit Rate for 2020-21		25474


 Forest Divisional Officer,
 Mancherial

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	200	39.27	100 Nos.,	79
02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	200	125.00	100 Nos.,	250
02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	200	125.00	100 Nos.,	250
02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	200	656.25	100 Nos.,	1313
02.02.16	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)				
	(b) Low rainfall zone > 800 m	1	1463.28	Ha.	1463
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	608.27	100 Rmt	608
02.09.25	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	4138	Ha	4138
			Total		21304
			Unit Rate for 2020-21		21304


 Forest Divisional Officer
 Mancherla

Raising of Plantation under Labour Intensive Method

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.00	Planting Operations during raising year				
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)				
	(b) 30 X 32.5 cm (12"X13") bag plants	200	206.43	100 Nos.,	413.00
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	(b) 15 X 30 cm (9"X13") bag plants	200	153.00	100 Nos.,	306.00
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)				
	(b) 30 X 32.5 cm (12"X13") bag plants	200	77.00	100 Nos.,	154.00
02.02.04	Internal transportation to planting points on head loads				
	(b) 30 X 32.5 cm (12"X13") bag plants	200	142.01	100 Nos.,	284
	PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)				
02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	200	39.27	100 Nos.,	79
02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (Rs. 2/- per plant)	As per actual	800	Ha.	2222
02.02.07	Planting in 60 cm ³ Pit	200	970.88	100 Nos.,	1942
02.01.04	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height)	200	1200.00	100.00	2400
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	200	1059.44	100 Nos.,	2119
02.02.10	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.24.35 for 45 cm cube pit	40	60.61	Each	2424
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	40	206.43	100 Nos.,	83
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	40	153.00	100 Nos.,	61
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	40	77.00	100 Nos.,	31
02.02.04	Internal transportation to planting points on head loads	40	142.01	100 Nos.,	57
02.02.07	(b) Planting in 60 cm ³ Pit	40	970.88	100 Nos.,	388
02.02.11	Cost of DAP @ 25 gm / planting point	200	1.20	Each	240

1st year maintenance of Plantation under Labour Intensive Method

Unit area 1.00 Ha,

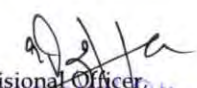
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
SSR	Cost of transportation of soil mixture for filling the pit and spreading around the pit - 25 % of pit - 0.25 x 0.6 cm x 0.6 cm x 0.6 cm	10.8	352.23	cum	3804
02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July.	Pitting, planting, transportation and internal transportation same as prescribed in fresh planting			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.24.35 for 45 cm cube pit	50	60.61	Each	3031
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	50	206.43	100 Nos.,	103
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	50	153.00	100 Nos.,	77
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	50	77.00	100 Nos.,	39
02.02.04	Internal transportation to planting points on head loads	50	142.01	100 Nos.,	71
02.02.07	(b) Planting in 60 cm ³ Pit	50	970.88	100 Nos.,	485
02.02.11	Cost of DAP @ 25 gm / planting point	200	1.12	Each	224
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 2 waterings	200	1059.44	100 Nos.,	2119
02.03.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	200	125.00	100 Nos.,	250
02.03.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	200	125.00	100 Nos.,	250
02.03.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	200	656.25	100 Nos.,	1313
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July -August)				
	(b) Low rainfall zone > 800 mm	1	1463.28	Ha.	1463
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	608.27	100 Rmt	608
02.10.09	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	5517	Ha	5517
			Total		19603
			Unit Rate for 2020-21		19603

Forest Divisional Officer
Mancherial

2nd year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.01	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. - 5% proposed	100% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising year			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.24.35 for 45 cm cube pit	10	60.61	Each	606
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	10	206.43	100 Nos.,	21
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	10	153.00	100 Nos.,	15
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	10	77.00	100 Nos.,	8
02.02.04	Internal transportation to planting points on head loads	10	142.01	100 Nos.,	14
02.02.07	(b) Planting in 60 cm ³ Pit	10	970.88	100 Nos.,	97
02.02.11	Cost of DAP @ 25 gm / planting point	200	1.12	Each	224
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	200	125.00	100 Nos.,	250
02.04.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	200	125.00	100 Nos.,	250
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	200	656.25	100 Nos.,	1313
02.04.04	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July -August)				
	(b) Low rainfall zone > 800 mm	1	1463.28	Ha.	1463
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.02.20	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	5517	Ha	5517
			Total		10635
			Unit Rate for 2020-21		10635


 Forest Divisional Officer,
 Mancheril

3rd year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha,

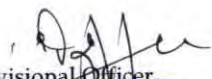
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	200	125.00	100 Nos.,	250
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	200	656.25	100 Nos.,	1313
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
02.04.06	Cost of Protection: (b) For un-fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 20.00 ha. in extent and one more Casual labour allowed for multiples of 20.00 ha.	1	2758	Ha	2758
			Total		5179
			Unit Rate for 2020-21		5179

Forest Divisional Officer,
Mancherial

4th year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	200	125.00	100 Nos.,	250
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	200	656.25	100 Nos.,	1313
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		2420
		Unit Rate for 2020-21			2420


 Forest Divisional Officer
 Mancherla
 Mancherla

5th year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	200	124.27	100 Nos.,	249
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	200	656.25	100 Nos.,	1313
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		2170
		Unit Rate for 2020-21			2170


 Forest Divisional Officer
 Mancherial

6th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		857
Unit Rate for 2020-21					857

Forest Divisional Officer,
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7th year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	200	656.25	100 Nos.,	1313
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		1921
		Unit Rate for 2020-21			1921


Forest Divisional Officer,
Mancherial

8th year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		857
			Unit Rate for 2020-21		857


Forest Divisional Officer
Mancherial

9th year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	200	656.25	100 Nos.,	1313
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		1921
		Unit Rate for 2020-21			1921

Forest Divisional Officer,
Mancherial

10th year maintenance Plantatation under Labour Intensive Method

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	200	124.27	100 Nos.,	249
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	608.27	100 Rmt	608
			Total		857
			Unit Rate for 2020-21		857


 Forest Divisional Officer
 Mancherial