ANNEXURE II

SCHEME FOR COMPENSATORY AFFORESTATION OVER 5.00 HA OF NON-FOREST GOVT. LAND IDENTIFIED IN VILLAGE TALABARADA UNDER BANSAPAL TAHASIL OF B.J.P. RANGE OF KEONJHAR FOREST DIVISION AGAINST PROPOSED 11KV OVERHEAD TRANSMISSION LINE FROM JALDIHI VILLAGE TO JUMKA-PATHIRIPOSHI PAHAR IRON ORE BLOCK OF M/S RUNGTA MINES LIMITED

{Onetime cost norm provided by the PCCF, Odisha, Bhubaneswar vide their O.O. No. 1109 dated 08.11.2021 on Base Norm for the year 2023-24) with maintenance period of 20 (twenty) years}

ELEMENTS OF THE SCHEME FOR COMPENSATORY AFFORESTATION

CHAPTER- I

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

M/s Rungta Mines Ltd. has been declared as preferred bidder for grant of Mining Lease of Jumka-Pathiriposhi Pahar Iron Ore Block. The Letter of Intent (LOI) has been issued by Government of Odisha, Steel & Mines Department vide No. 8716/SM, Bhubaneswar dated 28.10.2021. The Validity of LOI is for a period of 3 (three) years from the date of its issuance. So, the last date of execution of mining lease deed will be 27.10.2024 i.e.3 years from date of issuance of letter of intent (LOI).

As per the data provided by Directorate of Mines, Steel & Mines Department, Government of Odisha, the total mining lease DGPS surveyed area is 158.509 Ha (156.978 Ha forest + 1.531 Ha Non-forest). Total iron ore resources of all grades are 140.28 million tons. Mining plan has been approved by Indian Bureau of Mines, Bhubaneswar vide letter No. MP/A/18-ORI/BHU/2021-22 dated 24.11.2021. The proposed production of iron ore is 3.5 MTPA, which may be increased in course of time as per requirement.

There is no source of power available in and around the Jumka-Pathiriposhi Pahar Iron Ore Block of M/s Rungta Mines Limited. The nearby source of power is only available in Jaldihi village and so it is proposed to tap the power connection from 11 KV junction point at Jaldihi village through overhead transmission line upto Jumka-Pathiriposhi Pahar Iron Ore Block. The user agency has applied through online at TPWODL (Tata Power Western Odisha Distribution Limited) portal for construction of 11 KV transmission line and supply of power. Subsequently, as per estimate furnished by TPWODL, 6% supervision charges has been paid by the User agency for construction of the proposed 11 KV Transmission line.

The proposed construction of a dedicated separate 11 KV overhead transmission line from Jaldihi Village to Jumka-Pathiriposhi Pahar Iron Ore Block of M/s Rungta Mines Limited in Bonai Forest Division of Sundargarh distance over a distance of 4.434 Km is required for the activities related to illumination of mine site, operation of plants, weigh bridges, office, pump house and other associated mining activities. The width of the RoW will be 7.00 mtr. Total 78 numbers of single poles and 33 numbers of double pole will be erected for construction of proposed 11 KV overhead transmission line. Total 3.104 Ha. forest land (2.315 Ha. PRF + 0.734 Ha. DLC Forest + 0.055 Ha. Revenue forest) will be used for construction of 11 KV overhead transmission line.

The present Compensatory Afforestation scheme is so prepared to compensate the non-forest land for non-forestry use at the Non-forest Govt. land identified in village Talabarada under BJP Range of Banspal Tahasil allotted for the said purpose vide letter No. 1181/Rev dt. 06.05.2023 of Collector, Keonjhar. The CA scheme is prepared at present prevailing wages rate i.e. @Rs. 345.00 per man days (As per onetime cost norm provided by the PCCF, Odisha, Bhubaneswar vide their O.O. No. 1109 dated 08.11.2021 on Base Norm for the year 2023-24) over 5.00 ha with maintenance period of 20 (twenty) years.

CHAPTER- II

DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION

A. LAND IDENTIFICATION AND JOINT VERIFICATION OF THE IDENTIFIED SITE.

The site for Compensatory Afforestation has been identified in village Talabarada under Bansapal Tahasil in B.J.P. Range of Keonjhar Forest Division over 5.00 ha in one patch and has been jointly verified by the Tahasildar, Bansapal, Revenue Inspector, Taramakanta, Range Officer, B.J.P. Range and Forest Section Officer, Suakati and found suitable for compensatory afforestation.

B. INFORMATION ON NON-ENCROACHMENT AND NON-ENCUMBRANCE.

The Tahasildar, Bansapal has given certificate of non-encroachment and non-encumbrance in respect of the non-forest Govt. land identified and allotted for Compensatory Afforestation over 5.00 ha in respect of proposed 11KV overhead transmission line from Jaldihi village to Jumka-Pathiriposhi Pahar iron ore block of M/s Rungta Mines Limited.

C. INFORMATION ON LAND STATUS.

The land scheduled and land status identified and allotted for Compensatory Afforestation is furnished hereunder:-

Tahasil	Village	Khata No.	Plot No.	Area(in Ha)	Kissam.
Bansapal	Talabarada	24(AAA)	07(P)	3.386	Parbat- I
			09(P)	1.614	Parbat- I
			Total	**5.000**	

D. SUITABILITY OF IDENTIFIED SITE FOR COMPENSATORY AFFORESTATION.

The identified land is free from encroachment and encumbrance. This land is neither covered under Section-4 of Orissa Forest Act, 1972 nor included in DLC report.

The non-forest Govt. land identified in village Talabarada is in one patch situated on upland with gentle slope is suitable for Compensatory Afforestation. As per the report of the Range Officer, BJP Range vide his memo No 548 dt. 29.04.2023 (Copy enclosed).

CHAPTER-III

DELINEATION OF PROPOSED AREA ON SUITABLE MAP

III(1) GPS COORDINATES AND GPS MAP OF THE COMPENSATORY AFFORESTATION SITE

The area has been demarcated through DGPS survey and 8 nos of 4' height RCC pillars have been posted around the identified area. The DGPS survey data showing latitude & Longitude of each point and their chainage with bearing has been depicted in the village sheet map (Map Enclosed). One durable sign boards has been erected at the identified site at a conspicuous location with name of the project, year of allotment, name of the scheme, details of plots etc. depicted there on.

Decision Support System of Non-Forest Govt. land identified in village Talabarada under Banspal Tahasil

Name of the site	Area identified for plantation (in ha)	MDF (in Sq. Km)	Non-forest (in Sq. Km)	Open Forest (in Sq. Km)
Village-Talabarada	5.00	0.02	0.01	0.02

CHAPTER- IV

AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION

IV(1) AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

The user agency shall provide funds for raising Compensatory Afforestation as per the approved scheme.

IV(2) AGENCY RESPONSIBLE FOR EXECUTION OF COMPENSATORY AFFORESTATION

The Territorial Wing of the Forest Department i.e. Divisional Forest Officer, Keonjhar Division will be assigned with the task for execution of Compensatory Afforestation.

CHAPTER- V

DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

A. PLANTING PLAN

Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proneness of the site to water logging etc. Specific treatment of the site in terms of soil and moisture conservation intervention will be depicted in the treatment map. A treatment map will invariably be prepared for Species to be planted and treatments to be applied to the different patches shown in the treatment map and planting plan. This plan will be followed when actual planting is carried out. The Range Officer, BJP Range has submitted verification report vide his memo No. 548 dt. 29.04.2023. The report of GIS based DSS is enclosed herewith.

Species to be planted:-

1. *Sizygium cumini* (Jamu)
2. *Adina cardifolia* (Kuruma)
3. *Anogeissus latifolia* (Dhaura)
4. *Dalbergia sissoo* (Sissoo)
5. *Azadirrachta indica* (Neem)
6. *Gmelina arborea* (Gumbar)
7. *Pongamia pinnata* (Karanja)
8. *Emblica officinalis* (Amla)
9. *Artocarpus integrifolia (Panasa)*

B.PRE-PLANTING OPERATION

B(I)-RAISING OF PLANTATION STOCK- NURSERY-

Nursery will be raised @1760 seedlings per ha over 1.00 ha & @1100 seedlings per ha over 2.00 ha including seedlings for 10% casualty replacement.

B(II)-SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-

The planting area has been surveyed and demarcated through DGPS survey and 8 nos of 4' height RCC pillars have been posted (as per the direction of forest Range Officer, BJP Range) with GPS co-ordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A DGPS map in the scale of 1:4000 has been prepared along with DGPS co-ordinates forward and backward bearing, pillar No. and distance between pillars reflected in the map. One durable sign boards have been erected at a conspicuous location with name of the site, scheme, area etc. depicted on it.

B(III)-SITE PREPARATION AND SILVICULTURAL OPERATION INCLUDING CLEARANCE OF WEED, CLIMBER CUTTING, HIGH STUMP CUTTING, SINGLING OF SHOOTS-

The clearing of the site involving removal of invasive weeds, bushes, climbers, high stumps and singling of shoots will be taken up preferably by the end of February and latest by the end of March. Pits of the dimension $45cm^3$ will be dug AR model @1600 seedlings/ ha over 1.00 ha & @1000 seedlings/ ha over 2.00 ha preferably 2 months before or at least a month before planting of seedlings.

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C. PLANTING OPERATION

Planting of seedlings will be taken up in the month of July. The polythene {(size 12 x 10) (300 gauge)} covering of the balls of earth will be carefully removed before planting. Care will be taken to see that the ball of earth is not broken while doing so. The seedling with the ball of earth will then be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heal as a final step so that there is a proper bond between the ball and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

D. POST PLANTING OPERATION

D(1)-CASUALTY REPLACEMENT

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

D(2)-WEEDING AND SOIL WORKING

Regular and efficient weeding will start immediately after sprouting of the stumps is complete or after the seedlings have started throwing up new buds.

D(3)-MANURING AND INSECTICIDE APPLICATION

On degraded sites urban compost or farmyard manure, wherever available, will be added to the soil while refilling the pits. As regards artificial fertilizers, the minerals required and dosage @ 50 gms of patent mixtures like 'Gromor' or N.P.K. (2:2:1) will be applied in two split doses one in August and the other in September.

D(4)-SOIL MOISTURE CONSERVATION MEASURES

Special Soil Moisture Conservation Measures will be taken up through construction of LBCD structures of dimension 10' x 10' x 5' to the tune of 5 nos. over the entire plantation site.

D(5)-WATERING PROVISION

1 No. Diesel pump set with borewell (1 Pump set + Borewell for 5 ha plantation) for 3.00 ha plantation.

D(6)-PROTECTION AGAINST FIRE AND BIOTIC INTERFERENCE

It is proposed to protect the CA plantation from grazing by domestic animals using GI Chain Link Mesh Fencing. The total length of such GI Chain Link Mesh Fencing for the patch which comes to 1.00 KM or 1000 meter. Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norm for protecting the plantation from grazing with involvement of Kadakala VSS.

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CHAPTER- VI

COST STRUCTURE OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION

Base Cost Norm for AR Plantation @1600 seedlings per ha (18 months old seedlings) @Rs.345.00/- Mandays as per revised wage rate by Labour Commissioner, Odisha, Bhubaneswar vide Notification No. 2500/LC dated 05.04.2023. Onetime cost norm provided by the PCCF, Odisha, Bhubaneswar vide their O.O. No. 1109 dated 08.11.2021.

WAGE RATE R.s-345/-PER MANDAY

Sl. No	Items of work	Perferable Period of Execution	No of Mandays	Labour Cost (In Rs.)	Material Cost (In Rs.)	Total cost (In Rs.)
1	2	3	4	5	6	7
	0th Year (Advance work) Per- Plantation Operation					
1	Survey, Demarcation and Pillar posting	Nov/Dec	2	690	0	690
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	345	100	445
3	Site preparation (Cleaning & removal of debrises)	Nov/Dec	12	4140	0	4140
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	345	0	345
5	Allgnment and stacking of pits	Feb/Mar	2	690	0	690
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly sail	Feb/Mar	64	22080	0	22080
7	Construction of Temporary labour Shed, Drinking water facility and First-Aid etc.	Jan/Mar	0	0	3500	3500
	Total		**82**	**28290**	**3600**	**31890**
	1st Year /Plantation Year					
1	Refilling of pits by altering the dugout soil of the pits, application of organic compounds/ CDM/FYM & mixing the same properly.	Jun/Jul	12	4140	8000	12140
2	Transpotation of 18 months old polythin bag seedlings in hired truck /tractor from the Permanent /Mega nursery to planting site including loading &unloading. (Average load of 10 Rkm) & stacking the seedling @ Rs. 6/- per Seedling.(1100 nos.)	Jul/Aug	0	0	10560	10560
3	Watering polypot seedlings at planting site.	Jul/Aug	3	1035	0	1035
4	Conveyance of polypot seedling on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers 7 planting after scoping the soil with other applied materials & pressing the soil perfectly around the planted seedlings.	Jul/Aug	36	12420	0	12420
5	Cost of Fertilizer & Insecticide (a) NPK/Bin-fertilizer @ 50 gms/plant as basal dose=50kg@ Rs.30/-per kg= Rs. 1500.00 (b) Urea/Vermicompost/Mo Khata/any other fertilizer in two subsequent dose @ Rs. 750.00 ©Insecticide/ Bio-pesticide @ 5 gms/plant=5 kg @ Rs.15/- per kg=Rs. 750.00	Jul/Aug	0	0	4800	4800

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6	Casually Replacement @ 10th (100 nos)	Jul/Aug	4	1380	0	1380
7	1st weeding & Manuring	Aug/Sep	15	5175	0	5175
8	2nd Weeding , Soil working (1 mt. diameter around the plants) & Manuring	Oct/Nov	20	6900	0	6900
9	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
10	Watch & Ward including watering as per requirement	Aug/Mar	12	4140	0	4140
	Total		**105**	**36225**	**23360**	**59585**
	2od Year Maintenance					
1	Transportation of 100 seedlings from Nursery to plantation site Including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedling	Jul	0	0	960	960
2	Casualty replacement-10%	Jul	4	1380	0	1380
3	Cost of Fertilizer & Insecticide (a) Cost of Insectide/ Bio-pesticide @ gms/ plant=0.5 kg @ Rs.150/- per kg=Rs.75/- (b) Urea/NPK/Bio-fertilizer/Vermicompost/Mo Khata/any other fertilizer@ Rs. 2800/-	Jul/Aug	0	0	4606	4606
4	Weeding (Complete weeding), manuring & Soil working, (1 m. diameter around the plants)	Sep/Oct	20	6900	0	6900
5	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
6	Watch & Ward including watering as per requirement	April/Mar	18	6210	0	6210
7	Maintenance of Temporary Labour Shed, Drinking water facility and Fist Aid etc.	April/Mar		0	1000	1000
	Total		**45**	**15525**	**6566**	**22091**
	3rd Year Maintenance					
1	Cost of fertilizer(Urea/NPK/Bio-fertilizer/Vermicompost/Mo Khata/any other fertilizer	Jul/Aug	0	0	4486	4486
2	Weeding (Complete weeding), Manuring & Soil working, (1 m. diameter around the plants)	Sep/Oct	20	6900	0	6900
3	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
4	Watch & Ward including watering as per requirement	April/Mar	18	6210	0	6210
5	Maintenance of Temporary Labour Shed, Drinking water facility and Fist Aid etc.	April/Mar	0	0	1000	1000
	Total		**41**	**14145**	**5486**	**19631**
	4th Year Maintenance					
1	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
2	Watch & Ward including maintenance of vegetative fencing	April/Mar	18	6210	0	6210

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	Total		**21**	**7245**	**0**	**7245**
5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Pruning of branches, Sigling out of multiple shots	Jan/Mar	5	1725	0	1725
3	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**26**	**8970**	**0**	**8970**
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
10th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
11th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
12th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
13th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
14th Year Maintenance						

1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
15th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
16th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
17th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
18th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
19th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
20th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**

Year wise Abstract of Cost Norm (showing seedling cost separately)

Sl. No	Year	No. of Mandays	Labour cost (In Rs)	Material Cost(In Rs.)	Monitoring, Evaluation, Learning, Documentation and Other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs. 54.54 per seedlings	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
1	0th year	82	28290	3600	1594.5	0	33484.5
2	1st year	105	36225	14600	2541.25	54542.6	107908.85
3	2nd year	45	15525	4475	1000	5454.2	26454.2
4	3rd year	41	14145	3800	897.25	0	18842.25
5	4th year	21	7245	0	362.25	0	7607.25
6	5th year	21	7245	0	362.25	0	7607.25
7	6th year	26	8970	0	448.50	0	9418.50

8	7th year	21	7245	0	362.25	0	7607.25
9	8th year	21	7245	0	362.25	0	7607.25
10	9th year	21	7245	0	362.25	0	7607.25
11	10th year	21	7245	0	362.25	0	7607.25
12	11th year	21	7245	0	362.25	0	7607.25
13	12th year	21	7245	0	362.25	0	7607.25
14	13th year	21	7245	0	362.25	0	7607.25
15	14th year	21	7245	0	362.25	0	7607.25
16	15th year	21	7245	0	362.25	0	7607.25
17	16th year	21	7245	0	362.25	0	7607.25
18	17th year	21	7245	0	362.25	0	7607.25
19	18th year	21	7245	0	362.25	0	7607.25
20	19th year	21	7245	0	362.25	0	7607.25
21	20th year	21	7245	0	362.25	0	7607.25
	Total	**635**	**219075**	**26475**	**12277.5**	**59996.8**	**317824.3**

Base Cost Norm for AR Plantation @1000 seedlings per ha (18 months old seedlings) @Rs.345.00/- Mandays as per revised wage rate by Labour Commissioner, Odisha, Bhubaneswar vide Notification No. 2500/LC dated 05.04.2023. Onetime cost norm provided by the PCCF, Odisha, Bhubaneswar vide their O.O. No. 1109 dated 08.11.2021.

Sl. No	Items of work	Preferable Period of Execution	No of Mandays	Labour Cost (In Rs.)	Material Cost (In Rs.)	Total cost (In Rs.)
1	2	3	4	5	6	7
	0th Year (Advance work) Per- Plantation Operation					
1	Survey, Demarcation and Pillar posting	Nov/Dec	2	690	0	690
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	345	100	445
3	Site preparation (Cleaning & removal of dehisces)	Nov/Dec	12	4140	0	4140
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	345	0	345
5	Alignment and stacking of pits	Feb/Mar	1	345	0	345
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	40	13800	0	13800
7	Construction of Temporary labour Shed, Drinking water facility and First-Aid etc.	Jan/Mar	0	0	3500	3500
	Total		**57**	**19665**	**3600**	**23265**
	1st Year /Plantation Year					
1	Refilling of pits by altering the dugout soil of the pits, application of organic compounds/ CDM/FYM & mixing the same properly.	Jun/Jul	7.5	2587.5	5000	7587.5
2	Transportation of 18 months old polythin bag seedlings in hired truck /tractor from the Permanent /Mega nursery to planting site including loading &unloading (Average load of 10 Rkm) & stacking the seedling @ Rs. 6/- per Seedling.(1100 nos.)	Jul/Aug	0	0	6600	6600
3	Watering poly pot seedlings at planting site.	Jul/Aug	2	690	0	690

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4	Conveyance of poly pot seedling on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers 7 planting after scoping the soil with other applied materials & pressing the soil perfectly around the planted seedlings.	Jul/Aug	22.5	7762.5	0	7762.5
5	Cost of Fertilizer & Insecticide (a) NPK/Bio-fertilizer @ 50 gms/plant as hasal dose=50kg@ Rs.30/-per kg= Rs. 1500.00 (b) Urea/Vermicumpost/Mo Khata/any other fertilizer in two subsequent dose @ Rs. 750.00 ©Insecricide/ Bio-pesticide @ 5 gms/plant=5 kg @ Rs.15/- per kg=Rs. 750.00	Jul/Aug	0	0	3000	3000
6	Casually Replacement @ 10th (100 nos)	Jul/Aug	2.5	862.5	0	862.5
7	1st weeding & Manuring	Aug/Sep	12	4140	0	4140
8	2nd Weeding , Soil working (1 mt. diameter around the plants) & Manuring	Oct/Nov	15	5175	0	5175
9	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
10	Watch & Ward including watering as per requirement	Aug/Mar	12	4140	0	4140
	Total		**76.5**	**26392.5**	**14600**	**40992.5**
	2nd Year Maintenance					
1	Transportation of 100 seedlings from Nursery to plantation site Including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedling	Jul	0	0	600	600
2	Casualty replacement-10%	Jul	2.5	862.5	0	862.5
3	Cost of Fertilizer & Insecticide (a) Cost of Insecticide/ Bio-pesticide @ gms/ plant=0.5 kg @ Rs.150/- per kg=Rs.75/- (b) Urea/NPK/Bio-fertilizer/Vermicompost/Mo Khata/any other fertilizer@ Rs. 2800/-	Jul/Aug	0	0	2875	2875
4	Weeding (Complete weeding), manuring & Soil working, (1 m. diameter around the plants)	Sep/Oct	15	5175	0	5175
5	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
6	Watch & Ward including watering as per requirement	April/Mar	18	6210	0	6210
7	Maintenance of Temporary Labour Shed, Drinking water facility and Fist Aid etc.	April/Mar		0	1000	1000
	Total		**38.5**	**13282.5**	**4475**	**17757.5**
	3rd Year Maintenance					
1	Cost of fertilizer(Urea/NPK/Bio-fertilizer/Vermicompost/Mo Khata/any other fertilizer	Jul/Aug	0	0	2800	2800

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2	Weeding (Complete weeding), Manuring & Soil working, (1 m. diameter around the plants)	Sep/Oct	15	5175	0	5175
3	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
4	Watch & Ward including watering as per requirement	April/Mar	18	6210	0	6210
5	Maintenance of Temporary Labour Shed, Drinking water facility and Fist Aid etc.	April/Mar	0	0	1000	1000
	Total		**36**	**12420**	**3800**	**16220**
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m long) including maintenance of inspection path.	Feb/Mar	3	1035	0	1035
2	Watch & Ward including maintenance of vegetative fencing	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Pruning of branches, Singling out of multiple shots	Jan/Mar	3	1035	0	1035
3	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**24**	**8280**	**0**	**8280**
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
10th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
11th Year Maintenance						

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1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
12th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
13th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
14th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
15th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
16th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
17th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
18th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
19th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**
20th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		**21**	**7245**	**0**	**7245**

Year wise Abstract of Cost Norm (showing seedling cost separately)

Sl. No	Year	No. of Mandays	Labour cost (In Rs)	Material Cost(In Rs.)	Monitoring, Evaluation, Learning, Documentation and Other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs. 54.54 per seedlings	Total Cost (In Rs.)
1	2	3	4	5	6	7	8
1	0th year	57	19665	3600	1163.25	0	24428.25
2	1st year	76.5	26392.5	14600	2049.625	54542.6	97584.725
3	2nd year	38.5	13282.5	4475	887.875	5454.2	24099.575
4	3rd year	36	12420	3800	811.00	0	17031.00
5	4th year	21	7245	0	362.25	0	7607.25
6	5th year	21	7245	0	362.25	0	7607.25
7	6th year	24	8280	0	414.00	0	8694.00
8	7th year	21	7245	0	362.25	0	7607.25
9	8th year	21	7245	0	362.25	0	7607.25
10	9th year	21	7245	0	362.25	0	7607.25
11	10th year	21	7245	0	362.25	0	7607.25
12	11th year	21	7245	0	362.25	0	7607.25
13	12th year	21	7245	0	362.25	0	7607.25
14	13th year	21	7245	0	362.25	0	7607.25
15	14th year	21	7245	0	362.25	0	7607.25
16	15th year	21	7245	0	362.25	0	7607.25
17	16th year	21	7245	0	362.25	0	7607.25
18	17th year	21	7245	0	362.25	0	7607.25
19	18th year	21	7245	0	362.25	0	7607.25
20	19th year	21	7245	0	362.25	0	7607.25
21	20th year	21	7245	0	362.25	0	7607.25
	Total	**568**	**195960**	**26475**	**11121.75**	**59996.8**	**293553.55**

Cost Norms for Creation of Compensatory Afforestation with Stabilization of Soil Moisture Conservation (SMC)

Annexure-II

Cost Norms for creation of Compensatory Afforestation with Stabilization of Soil & Conservation of Moisture [1000 WAGE RATE Rs-311/- PER DAY

Sl.No	Item of Works	Preferable Period of Execution	Total Cost
	5th Year [Pre-Planting Operation]		
1	Nil		0
	1st Year		
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Gradient section bund, LBCD, Telez mesh LBCD, Soil surface Dyes & WBS as per the slope & site requirement vs 5	Apr/Sept.	20,215
	2nd Year		
3	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Oct	3,032
	3rd Year		
4	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Oct	3,032
	4th Year		
5	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Oct	3,032
	5th Year		
6	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Oct	3,032
	Total		32,343.0

Abstract

Sl. No	Year	No. person days	Labour cost @ Rs. 311/ per day	Material Cost	Total cost (Rs.)
1	5th year	0.0	0.0	0.0	0.0
2	1st year	0.0	0.0	20,215.0	20,215.00
3	2nd year	0.0	0.0	3,032.00	3,032.00
4	3rd year	0.0	0.0	3,032.00	3,032.00
5	4th year	0.0	0.0	3,032.00	3,032.00
6	5th year	0.0	0.0	3,032.00	3,032.00
	Total	0.00	0.00	32,343.0	32,343.0

Different type of SMC structures may be taken as per the slope & requirements of the plantation site as of the design & specification of different structures mentioned along this annexure.

ACCF (Forest Inventory & WL PC Cell)

Matrix for (SMC)

Matrix for (SMC)

In Rupees

Sl. NO.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cost
Base Norm		0	20215	3032	3032	3032	3032											
1	2021-22	0	21216	3342	3510	3583	3870											35693
2	2022-23		0	22287	3539	3668	3859	4084										37415
3	2023-24			0	23431	3744	3870	4087	4267									39284
4	2024-25				0	24671	3868	4084	4266	4480								41248
5	2025-26					0	25892	4081	4267	4476	4704							43310
6	2026-27						0	27092	4264	4480	4702	4939						45475
7	2027-28							0	28443	4477	4704	4937	5196					47949
8	2028-29								0	29867	4701	4938	5194	5446				50156
9	2029-30									0	31380	4936	5196	5443	5717			52642
10	2030-31										0	32928	5193	5445	5715	6005		55274

APCCF (Forest Diversion & NO, FC Act)

Fencing Model F-II

Fencing for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link Fencing

Fencing Model-F-II

Fencing for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link wire mesh (250 Rmt/ Ha.)						
WAGE RATE Rs. 311/- PER DAY						
Sl No	Items of work	Preferable Period of Execution	Man days	Wages	Material cost (Rs)	Total Cost (Rs. per Ha.)
0th Year (PPO)						
1	[illegible]		2.42	752.62	0.0	752.6
2	[illegible]		0	0	5,047.4	5,047.4
3	[illegible]				41,050.0	41,050.0
4	[illegible]				22,122.0	22,122.0
5	[illegible]				1,73,775.0	1,73,775.0
6	[illegible]				4,930.0	4,930.0
7	[illegible]				11,424.0	11,424.0
8	[illegible]				5,600.0	5,600.0
	TOTAL		2.42	752.62	2,86,857.4	2,85,610.0
Rate per running mt. 2,85,610/ 250= Rs. 1142/Rmt						
1st Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	0	0
2nd Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
3rd Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11500	11500
4th Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
5th Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
6th Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
7th Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
8th Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
9th Year Maintenance						
1	[illegible]	Sept./Oct.	0	0	11000	11000
10th Year Maintenance						

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Sl. No	Items of work	Preferable Period of Execution	Man days	Wages	Material cost (Rs)	Total Cost (Rs. per Ha.)
1	[illegible]	[illegible]	0	0	11000	11000

Abstract

Sl. No	Year	No. person days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
1	0th year	2.42	752.6	284057.4	285610.0
2	1st year	0.0	0.0	0.0	0.0
3	2nd year	0.0	0.0	11000.0	11000.0
4	3rd year	0.0	0.0	11000.0	11000.0
5	4th year	0.0	0.0	11000.0	11000.0
6	5th year	0.0	0.0	11000.0	11000.0
7	6th year	0.0	0.0	11000.0	11000.0
8	7th year	0.0	0.0	11000.0	11000.0
9	8th year	0.0	0.0	11000.0	11000.0
10	9th year	0.0	0.0	11000.0	11000.0
11	10th year	0.0	0.0	11000.0	11000.0
	Total:	2.42	752.62	389057.4	3,84,610.0

APCCF (Forest Diversion & NO, FC Act)

Matrix for Model-F-II Fencing (Angle Iron & Chain Link Fencing)

Matrix for Fencing Model-F- II (Iron angle with Chainlink wire mesh)

In Rupees

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Watering Model – W-II

Watering Provision to CA Plantation

Watering Model-W-II		
Watering provision to CA Plantation		
Diesel pump set with bore well (1 pump set + Bore well for 5 Ha Plantation), Wage rate @ Rs.311/-		
Year of Installation (0th Year)		
1 Cost of bore well	1,50,000	
2 Cost of Diesel pump set 5HP	50,000	
3 Diesel pump set & accessories like connection, Pipes, etc.	30,000	
4 Water Storage Tanks/ Flexible pipes	25,000	
	2,55,000	
Cost of Water per Plant (2,55,000/ 1000) = Rs. 51/- Cost of Water per Ha. = Rs. 51,000/-		51,000
1st Year Watering		
1 Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000 -		21,000
2 Watering 1000 Plants (Nov-Mar.) @ 200 plants/MD with 7 days rotation 20 MD x 5 months - 100 MD x 311 =		32,100
	Total	82,100
2nd Year Watering		
1 Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000
Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2 Watering 1000 Plants (April- June & Nov-Mar. - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months - 160 MD x 311 =		49,760
	Total	78,410
3rd Year Watering		
1 Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000
Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2 Watering 1000 Plants (April- June & Nov-Mar. - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months - 160 MD x 311 =		49,760
	Total	78,410
4th Year Watering		
1 Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000
Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2 Watering 1000 Plants (April- June & Nov-Mar. - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months - 160 MD x 311 =		49,760
	Total	78,410
5th Year Watering		
1 Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000
Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2 Watering 1000 Plants (April- June & Nov-Mar. - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months - 160 MD x 311 =		49,760
	Total	78,410

Abstract					
Sl. No.	Year	No. persons/ days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
1	0th Year	0	0	2,55,000	2,55,000
2	1st year	200	62200	51000	113200
3	2nd year	160	49760	28650	78410
4	3rd year	160	49760	28650	78410
5	4th year	160	49760	28650	78410
6	5th year	160	49760	28650	78410
	Total:	760	2,30,140	1,86,600	4,16,740

APCCF(Forest Diversion & ND, FC Act)

Matrix for Watering Model –W-II (Diesel Pumpset Fitted with Borewell) per Ha

Matrix for Watering Model-W-II (Diesel Pumpset Fitted with Borewell) per Ha

In Rupees

Sl. NO.	Commence ment Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cost
Base Norm		5100	52100	78410	78410	78410	78410											
1	2023-23	51000	54705	86439	90771	95307	100072											478294
2	2023-24		53550	57140	90761	95310	100072	105076										502209
3	2024-25			56226	89312	95249	100076	105076	110330									527321
4	2025-26				56039	93825	100064	105060	110310	115847								553686
5	2026-27					91991	98484	103067	110334	115847	121639							581372
6	2027-28						97091	69815	110340	115851	121639	127721						610441
7	2028-29							68340	73310	102838	121644	127721	134107					640964
8	2029-30								71761	75578	113838	177776	134107	140812				673012
9	2030-31									75351	80375	177708	134110	140812	147852			706662
10	2031-32										79119	84366	134094	140818	147853	155246		741896

ACCF (Forest Diversion & NO, FC Act)

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TOTAL COST OF PROJECT

S. No	Item of Work	Unit price	In Rupees
1	Cost of AR plantation @1600 plants/ ha over 1.00 ha @Rs. 3,17,824.30 per ha with 20 years maintenance.	3,17,824.30 x 1.00 ha	317824.30
2	Cost of AR plantation @1000 plants/ ha over 2.00 ha @Rs. 2,93,553.55 per ha with 20 years maintenance.	2,93,553.55 x 2.00 ha	587107.10
3	Cost of watch & ward and fire line creation for 2 ha CA land which is having canopy density more than 0.4 but susceptible to biotic pressure & fire. Wage rate @Rs. 630/- per mandays. (1 ha x 21 mandays x @Rs. 630/- x 20 years)	2,64,600/- x 2 Nos.	529200.00
4	Cost of Soil Moisture Conservation (SMC) (As per base norm of Matrix for the year 2023-24)	39,284/- x 5.00 ha	196420.00
5	Cost of Angle Iron & Chain Link wire mesh Fencing with 10 years maintenance @4,62,316/- per 250 rmt/ha over 1.00 Km. (As per base norm of Matrix for the year 2023-24)	4,62,316/ 250 RMT x 1000 RMT	1849264.00
6	Cost of 1 no. borewell for watering (one diesel pump set fitted with borewell for 5 ha plantation) (As per base norm of Matrix for the year 2023-24)	5,27,321/- x 1 No.	527321.00
	Grand Total		**4007136.40 Or say 40,07,200.00**

(Rupees forty lakh seven thousand two hundred) only

PROVISION OF FUNDS AND FUND UTILIZATION

Rs. 40,07,200/- (Rupees forty lakh seven thousand two hundred) only shall be deposited by the User Agency i.e. M/s Rungta Mines Limited on approval of the scheme in Ad-hoc CAMPA Account and the funds will be utilized for raising of Compensatory Afforestation by the Divisional Forest Officer, Keonjhar Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

06/06/17

Divisional Forest Officer,
Keonjhar Division

CHAPTER- VII

DETAILS OF PROPOSED MONITORING MECHANISM

Compensatory Afforestation will be taken up in the identified site by the Range Officer, BJP Forest Range of Keonjhar Division. The Range Forest Officer, BJP Forest Range will undertake field checks of the works undertaken at the identified site and will be cross checked by the Asst. Conservator of Forests, (Affn.) and Divisional Forest Officer, Keonjhar Division. DGPS/GPS co-ordinates along with other required informations of Compensatory Afforestation will be uploaded in the e-Green watch Portal of NIC, MoEF, Govt. of India for the purpose of online monitoring. Annual progress of plantation involving growth of planted seedlings, survival percentage etc. will be monitored and recorded in the plantation journal by the field staffs of BJP Forest Range and reported to the Divisional Forest Officer for necessary action. The same thing will be reported to the Regional Chief Conservator of Forests, Rourkela Circle and Chief Conservator of Forests (PP&A), O/o the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar and necessary corrective measures will be followed if required so.

06/06/22

Divisional Forest Officer,
Keonjhar Division

CERTIFICATE ON DSS ANALYSIDS FOR CA/CA/PCA

This is to certify that DSS Analysis of land identified for CA/ ACA/ PCA and subsequent ground truthing have been done. The outcome is as mentioned below-

Sl. No.	Name of Range	Name of the Forest Block (RF/PRF/PF/DPF/ Revenue Forest)	Area identified for CA/ ACA/ PCA (in ha)	Classification of identified land (in ha)							Area suitable for plantation (in ha)				Plantation model (AR/ANR)	Remarks
				Very Dense Forest	Moderately Dense Forest	Open Forest	Non-forest	Scrub	Water	Total	Open Forest	Non-forest	Scrub	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	BJP	Village-Talabarada under Bansapal Tahasil	CA	0	2.00	2.00	1.00	0.00	0.00	5.00	2.00	1.00	0.00	3.00	AR	2.00ha @1000 seedlings & 1.00 ha @1600 seedlings per ha

Divisional Forest Officer,
Keonjhar Division.

Countersigned

Regional Chief Conservator of Forests,
Rourkela Circle

JOINT VERIFICATION OF NON-FOREST GOVT. LAND FOR COMPENSATORY AFFORESTATION IN FAVOUR OF M/s RUNGTA MINES LIMITED.

Range:- BJP Range

Date-

Tahasil:-Banspal

Sl No.	Name of Village	Khata No	Plot No	Kissam	Area (in Ha.)	Plantation(in Ha.)			Area (in Ha.)Found for Unsuitable with Reasion	Remarks
						Block	RDF	Total		
1	2	3	4	5	6	7	8	9	10	11
2	Talabarada	24 (AAA)	7(P)	PARBATA-1	15.000			3.386		
3			9(P)	PARBATA-1	16.000			1.614		
							TOTAL	5.000		

1- Certified that the above non-forest Government land as mentioned in column 7, 8 & 9 is a compact patches of 4.00 Ha. Or more having adequate soil depth suitable for plantation from management point of view.

2- Certified that the above Government land found suitable for plantation is free from encroachment and encumbrances.

3- Certified that the above Government land is not covered under 4(1) notification.

4- Certified that the above Government land is not covered under DLC.

5- Certified that the above Government land is not alloted previously.

6- Certified that the above Government land is not covered under any M.L/P.L area.

7- Certified that the above Government land is not settled in favour of individual/community under F.R Act,2006.

8- Certified that the status of the above plots was non forest as on 25.10.1980.

9- Certified that the above plots are not covered under any proposed reserve forest.

10- Certified that the above plots are unfit not only for agriculture,but also for other developmental requrements.

11- Certified that the above plots have no future potential for agrarian or industrial use.

12- Certified that the above identified area contains sparse vegetation with density of 0.02 and scrubby forest growth fit for copensatory afforestation.

COUNTERSIGNED

Divisional Forest Officer
Keonjhar Division

Signature & Seal of
Revenue Inspector.
Revenue Inspector
TARAMAKANTA

Signature & Seal of Tahasildar.
Tahasildar
Banspal

Signature & Seal of
Forester Officer
Suakati

Signature & Seal of
Forest Ranger.
Range Officer
B.J.P Range

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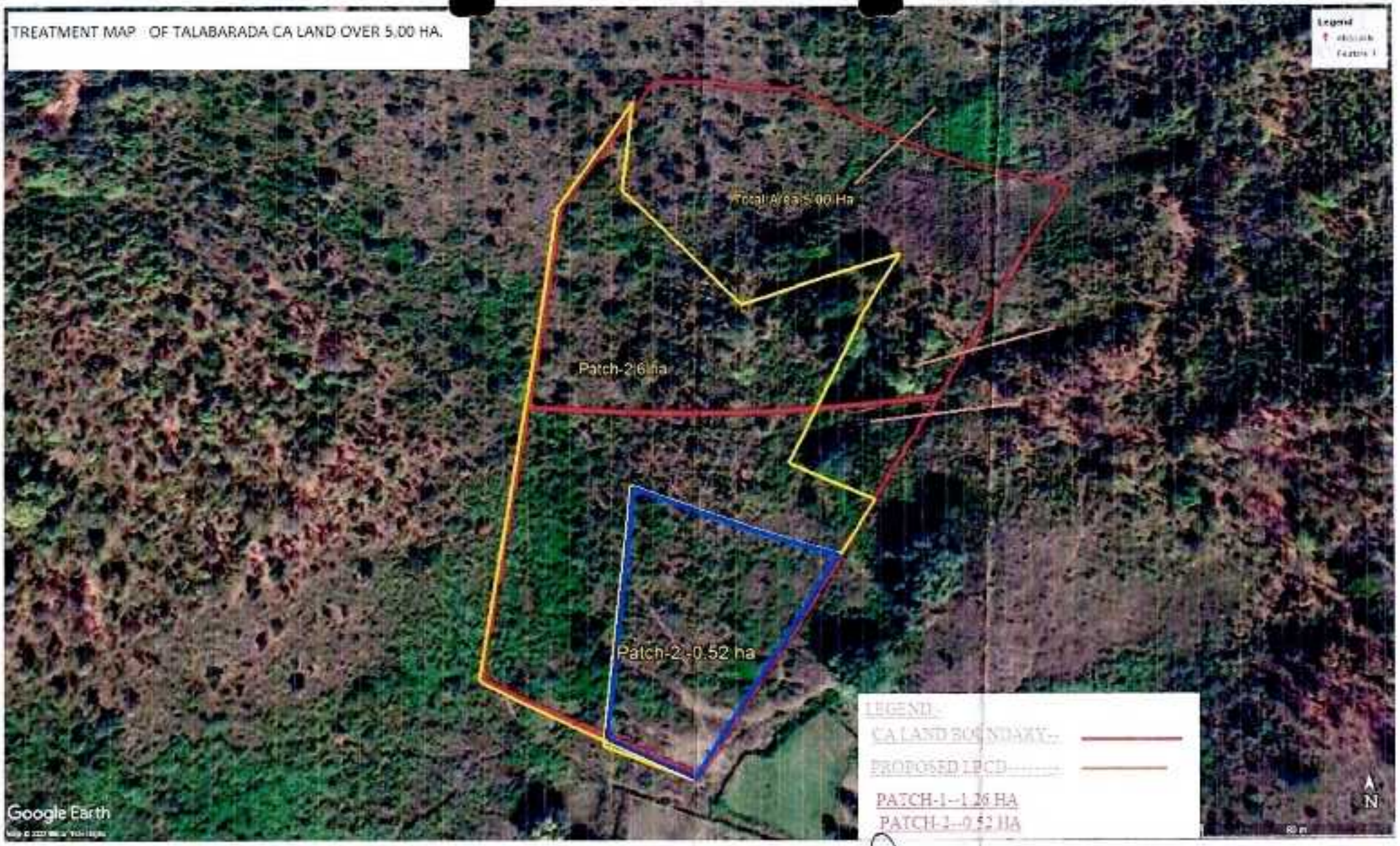
[redacted] cum Treatment Map [redacted]

COUNTERSIGNED

Divisional Forest Officer
Keonjhar Division

Range Officer
B.J.P Range

TREATMENT MAP OF TALABARADA CA LAND OVER 5.00 HA.



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COUNTERSIGNED

Divisional Forest Officer
Keonjhar Division

Range Officer
B.J.P Range