AFFORESTATION OVER 5.00 HA OF NONFOREST 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 <u>AFFORESTATION</u>

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### 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 Pabar 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 Pahnr 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, Bhuhaneswar 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	MDF	Non-forest	Open Forest
	plantation (in ba)	(in Sq. Km)	(in Sq. Km)	(in Sq. Km)
Village- Talabarada	5.00	0.02	0.01	0.02

### CHAPTER- IV

### AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION

### IV(t) 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. Sizyzium 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<sup>3</sup> will be dug AR model @1600 scedlings/ 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.

### 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(I)-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 (a) 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 burewell (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.

### 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

SI. No	Items of work	Perferable Period of Execution	No of Mandays	Labour Cost (In Rs.)	Material Cost (In Rs.)	Total cost (In Rs.)
To	2	3	4	5	6	7
	0th Year (Advance wor	rk) Per- Plan	tation Ope	ration		1
1	Survey, Demarcation and Pillar posting	Nov/Dec	2	690	0	690
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	f	345	100	445
3	Site preparation (Cleaning & removal of dehrises)	Nov/Dec	12	4140	0	4140
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	345	0	345
5	Allgament 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
-111	1st Year /	Plantation Y	ear			
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) & stucking 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 lussal dose=50kg@ Rs.30/-per kg= Rs. 1500.00  (b) Urea/Vermicumpost/Mo Khata/any other fertilizer in two subsequent dose @ Rs. 750.00  Classecricide/ Bio-pescticide @ 5 gms/plant=5 kg @ Rs.15/- per kg=Rs. 750.00	Jul/Aug	0	0	4800	4800

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/Nev	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
	KCCCCC2522	r Maintenanc	141			eter and
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	Cissualty 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/Oet	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	Maintenanc	e			
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
	- demarkable	Maintenance				1
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 vegetalive fencing	April/Mar	18	6210	0	6210

	Total		21	7245	0	724
		Maintenance	116206	Sat us debes		
I.	Fire line tracing (2 m. wide fire line over 400m length)	Fet/Mar	3.	1035	0	103
2	Watch & Ward	April/Mar	1.8	6210	0	621
	Total		21	7245	0	724
	6th Year	Maintenance				
1	Fire line tracing (2 m, wide fire line over 400m length)	Feb/Mar	3	1035	0.	103
2	Pruning of branches, Sigling out of multiple shots	Jan/Mar	5	1725	0	172
3	Watch &Ward	April/Mar	18	6210	0	621
	Total		26	8970	0.	897
	7th Year	Maintenance				
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch &Ward	April/Mar	18	6210	0	621
	Total		21	7245	0	724
	8th Year	Maintenance				-
I	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch & Ward	April/Mar	18	6210	0	621
	Total		21	7245	0	724
	9th Year	Maintenance				
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch &Ward	April/Mar	18	6210	0	621
	Total		21	7245	0	724
	10th Yea	r Maintenance	9		-	
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch & Ward	April/Mar	18	6210	0	621
	Total		21	7245	0	724
Π	11th Yea	r Maintenance				
	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch & Ward	April/Mar	18	6210	0	621
	Total		21	7245	0	724
	12th Year	Maintenance				
K	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch & Ward	April/Mae	18	6210	0	621
	Total		21	7245	0	724
	13th Year	Maintenance			430,4	- 11-11-11
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	103
2	Watch & Ward	April/Mac	18	6210	0	621

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
	L5th Yea	r Maintenance	1			
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 Yea	r Maintenance	(c)		-	
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 Yea	r 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
		r 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	r Maintenance	7.	//		
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
	7179CY-71579	r Maintenance				
E	Fire line tracing (2 m. wide fire line over 400m length)	Feh/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	18	6210	0	6210
	Total		21	7245	0	7245

SI. N	Year	Ng. of Mandays	Labour cost (In Rs)	Material Cost(In Rs.)	Monitoring, Evaluation, Learoing, 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	lst year	105	36229	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	24	7245	0	362.25	0	7607.25
7	6th year	26	8970	0	448.50	0	9418.50

	Total	635	219075	26475	12277.5	59996.8	317824.3
21	20th year	21	7245	D	362.25	0	7607.25
20	19th year	21	7245	0	362.25	0	7607.25
19	18th year	21	7245	0	362.25	0	7607.25
18	17th year	21	7245	0	362.25	0	7607.25
17	16th year	21	7245	0	362.25	0	7607.25
16	15th year	2.1	7245	0	362.25	0	7607.25
15	14th year	21	7245	.0	362,25	0	7607.25
14	13th year	21	7245	0	362.25	0	7607.25
13	12th year	21	7245	0	362.25	0	7607.25
12	f Ith year	21	7245	0	362,25	Ü	7607.25
11	10th year	21	7245	0	362.25	0	7607.25
10	9th year	-21	7245	D	362.25	0	7607,25
9	8th year	21	7245	0	362.25	0	7607.25
8	7th year	21	7245	0	362.25	0	7607,25

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.

SI. 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 wo	ork) Per- Pla	ntation Op	eration		
-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 sail	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
_	The state of the s	/Plantation Y	ear .			
10	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

* 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		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 Yes	ar Mainten:	ince			i i i i i i i i i i i i i i i i i i i
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/ pfaut=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	1.035
6	Watch & Ward including watering as per requirement	April/Mitr	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
-		r Maintena	nce			
1	Cost of fertilizer(Urea/NPK/Bio- fertilizer/Vermicompost/Mo Khata/any other fertilizer	Jul/Aug	0	0	2800	2800

2	Weeding ( Complete weeding), Manuring & Soil working, (1 m. diameter around the plants)	Sep/Oct	15	5175	0	3175
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 Ye	ar Maintenanc	e			-1136-31
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
		ar Maintenane	1.00			
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 Ye	ar Maintenane				
1	Fire line tracing (2 m, wide fire line over 400m length)	Feb/Mac	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 Yes	ar Maintenanc	e			
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	D	1035
2	Watch &Ward	April/Mar	18	6210	0	6210
	Total		21	7245	0	7245
	8th Yes	ir Maintenance	e			2000
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 Yes	r Maintenance		10000	- 5	1000
1	Fire line tracing (2 m. wide fire line over 400m length)	Feb/Mar	3	1035	0	1035
2	Watch & Ward	April/Mar	1.8	6210	0	6210
	Total	)	21	7245	0	7245
	10th Ye	ar Maintenanc	e			
1-1	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	ACTUAL STREET	21	7245	0	7245
-		ar Maintenanc			-	

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
T	Total		21	7245	.0	7245
	12th Y	ear Maintenan	ce			
ţ	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
Ī	13th Y	ear Maintenan	ce		-	
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 Y	ear Maintenan	ce			
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		2.1	7245	0	7245
	15th Y	ear Maintenan	ce			
T	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 Y	ear Maintenan	ce			illoy-ine
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 Y	ear Maintenan	ce	Albertall		
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
-12	18th Ye	ar Maintenan	de			
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 Yo	ar Maintenanc	ce			
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
1	Total		21	7245	0	7245
	20th Ye	ar Maintenanc	re .			
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	The state of the s	21	7245		7245

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

St. 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)

	WAGE RATE RS-315/- PER DAY		
S. No	ttem at Wurin	Preferable Period of Esecution	Valuat Cons
	Bith Year (270-Hanting Operation)		
1	KI		.0
	Let You		
2	Sufficient resigns recovere symmetric like Suggered from the Percentish upit, Contract theory, Gradest excitant basel, 1902, 1902 mask LPCD, Salt surface Dysto & Wils as per the slope & after engagning in 6.55	Aprilliops.	20,215
	2 mil 9kur	2007-1-000	
3	Maintenance of SMC structures (# 15 % of indice year one)	Apy/DE	1,032
	Sed Year		
4	Maintanance of SMC sprintness @ 15 % of which year cost	Apr/16	1,032
	6th Year		
3	Maritanyogouf SMC simplares @ 15.95 of epital year past	Apr/ful	1,032
	61h Year		la la company
5	Unestinated of SAC of nothings #2 In 15 pl artisal year loss.	Asic/Int	3,012
	Trial		32,143.6

Abstract										
56 700	Tre	to, ploteen staye	falsor out # fallt/ptv day	Manerico (20)	Youkcon (Re.)					
-1	Highe	0.0	0.0	0.0	0.0					
2	Intgent	1 10	9.0	20,215.0	24,735.00					
. A.	and year	94	5.0	3,037.00	3,732.00					
4	2nd mar	0.0	0.0	3/132.00	1,012.00					
E.	interes.	0,0	0.0	3/03/200	3,037.00					
.6	Sit over	dg	2.0	3,032.00	1,912.00					
	Torol	5,08	1.00	32,343.0	32,343.0					

Different layer of SML constructs near the teaching as per thursing a king-new embedding photostock species of the drauge is specifically of delicent structured annexed along this source part.

APRILY (Parest Descent & 101.9CArt)

# Matrix for (SMC)

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503											*
											¥
55274	52542	90156	47749	69475	43330	42248	39244	57415	35633		Total Cost

A Rupers

Matrix for (SMC)

Page 16 of 23

AFCE (Forest Diversion & NO, FC Act)

### Fencing Model F-II

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

	scing for Compensatory Plantation raised outside t	he Forest Ar	eas using A	egle Iro	a & Chain Lir	k wire me
		(mt/Hu <sub>i</sub> )				
-	WAGE RATE B		At'			
SI. No	Items of work	Preferable Puriod of Execution	Mandays	Wages	Meterial cost (By)	Yelal Cost per Ha
-	Gas Year Thomas and Small Williams of States and Tale	ar (1990)	1	-		
1	College College II Den - Ciller self - C. F. Schemby Co. 1902 cem - No. 754		242	202.62	0.0	752.6
	Collect covered II A Printing 4d may Bladder Bl Hi X 0 40, (X 0 40x X 5 10x - 1 7 % se 1755 94 /cm²	229185	Ð		5,047.1	5,647.4
-3	Jugistinia primačkom 10 sne 2 50 ania 2 6 min aliteraja 2 40 mi 10 a 2 mi – 30 februari 10 a 10 milja Syras — 10 7 m kajačnič 10 pri kaj 10 m 2 min – 40 17 – 2 30 m krastiče kod mjeri 10 5 min 12 min				436910	A1058.0
4.3	lonitory: S4 London S 0 Alian X 0 Jon - 4 List 4 Jon of S 66 7 Lycom				22.1230	27,1221
	est of Grant Britania occupy to pure blood way, become pagamental new 5 to finise graft the new 200 to 1288 to new addition to the 222 228 through more portroughers are adjust path over a new of 5 color to many				1,71,775.6	1.73.775
+ 1	grant garridy a special agreen (0. v.a.10 v.920 – 25.34 speciar (0. 14618) gagen				1,810.0	3.830.0
-	Printer Att. Statistics. Did statist (1957) - Inflafia. 165.5g and Statistical April. Bases of Charles Charlest ways from 1955. You debut his Zanton of	100	100	- 1110	11.424.0	11,4241
	mantal acres 5/2% of the indust				5.600.0	5,600.0
1	TOTAL		2.42	757.62	2,84,857.4	2.85,610.
di p	or running mt. 7,45,410/25d=16, 1542/flmt					
1	No Viscourse and Superad	Squ /Cks	0 1	1	- 4	
		hitetenance		-	4	- 4
1	Strandard open makeursk FT per untenper mind est 9 per in Fey. 1045-12. J 179 septe 17	Sqr /Ext	e		tions	11000
1.	And hear N Mentymore of wire resolution in the projection and and archingen artistics; (20%) 15 - 15 - 5 agricultural.	Sept./its	,	ē	r Ned	11500
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þ	the news of white secretaries is the recognitional limited in the secretaries of the secr	\$6(.700)	0	u	Tuest	1000
	5th (legt N)	olintenance				
1.	fram in a relative state of a filter to 100 per majority of milest mail man at target 100-100 - 1147, majority	Kat Mar	.0	£	mine	t10 III
-	fithe Year M.	nisten ance				
10	Supposed of the most lette to 1.0 per section of amount to be seen and amount of the section of	Sept (D.)	ч	ä	F.1044q	11004
4.	2th Year M.	mor sance				
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in line		CT ATT ON				

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_	Abstract				
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1	fith year	2.42	752.6	354957.4	2056 m.d.
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	let you	0.D	0.0	11000.0	11000.0
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6	Sit year	0.6	4.0	13050.9	110000
1	Objection 1	0.0	3.0	1,1000.0	71000.0
9	7jk year T	0.0	ILC .	1100000	17/085/0
4	Blayer	0.0	0.0	11009.0	51402.0
	(Silver)	48	D.f.	315030	13000.0
11	thin year	0.0	0.0	1100010	13922.0
	Tetal	2.42	752.62	188857.4	3.04,610.0

APCAI (Forest Diversion & NO, FC Act)

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

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Matrix for Fencing Model F. II. Gross angle with Chambric wire mesh)

ACCESSIONED PROPERTY OF SEASON

### Watering Model - W-II

## Watering Provision to CA Plantation

Watering Model-W-II		-
Watering provision to CA Plan	station	
Diesel pump not with Boro well (5 pemp set + Bernwell for 5 lic	Plantation), Wago rate @ ##.111/-	
Year of bastallation (Oth Year		V
1 (factor increal)	1.50,000	
2 Cont of Diesel pump set \$179	50,000	
3 Plese gamp set 6 assertions like community. Pass inc.	10,000	12
4   Water Booking: Tooks/ Fixoble paper	15,000	
ost of Woter per Plant (2,55,016/ alino )= Rc 51/-	2,55,050	
anist water per Hall E. St. 1009 -		\$1,000
Let Vote Watering		
Recurring expenditure to Ducar, Matti, Engot Del, etc. for purming Water -21 a 1300		
Watering 1900 Plants (Nov Mer.) 40 200 presist/MI with 7 days retained		21020
20.952 f. megits - 199.801 x 211 -		31.10
	Vetal	52,100
End Year Watering		
<ol> <li>Beraming especialisty of Pintel Mobil, Engine Od. etc. for paraphag Warer (2) v. (200)</li> </ol>		21,000
Numeration therefore present in 15 % of the installation con-		7,650
Watering 1000 Steen Lipe in June & Nov-Mar. A monthly or 215 pices 2000 with 7 de 20 MD x 3 minutes - 160 MD x 211 -	уктоканн	49,760
	Total	78.410
and Year Westering		
1 december approximate and the set of the first of the first state of the state of the second of the		21.500
Maintenance Direct prime say rise \$2.15 M of the installation cont.  Wastering 1000 Floria (April: Nace & Nov. Mar. # secretis) \$2.200 plants (MD with 7 dec		7,850
20 HD clinicity 140 MOA 211 -	W.U.C.OO	49,760
	Total	75,410
Ath Yor Welling		
American based pure up one Of 16 % of the installation cost.		21,000
Watering 1800 Plant (Sunt-Jose & Nov-Nor. Function) & 200 plants/Mittorio 7 day	Principle of the William Co.	7,550
25 Mile P mather 160 Mb + 311 +	is relation	49,760
	Yetal	76,410
Mile Year Wittering		
Becarring expenditure is threat, Matri, Engine 90, etc. perparrating Water -21 x 1000- Matematics Disest pump and etc. of 15 % of the investibles cast		21,010
Watering 1000 Mints (April 1000 & Man-Mar. 6 martin) @ 200 plants, Will with 7 day	V-market	7,650
25 ND s II months - 160 Mb x 331 -	S rutation	W1,702
	Yetail	78,410
Abstrace		
	Tabser   T	

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	Youth	740	230145	lapped	4.16.240

APOCTHEOREST DIMITYON & NO. FC AVE

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

5	30	-91	-4	a	v		144	20	۳	8,	8.8
16-0104	70'29 JD	2028-29	2027-28	2226-27	2025-25	1014-25	1023-24	3003-21	1023-21	Base Norm	Commence ment Year
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Matrix for Watering Model-W-II (Diesel Pumpset Fitted with Borewell) per Ha

ACCT (Forger TWESSION & 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.

Divisional Forest Officer, Keonjiiar 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 Keanjhar 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.

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-

Remarks		17	2.00ha @1000, seedlings & 1.00 ha @1600 seedlings per ha
Plantation model	Non- Scrub Total (AR/ANR) forest	91	AR
tion	Total	15	3,00
or plant a)	Scrub	14	00:00
Area suitable for plantation (in ha)	Non- forest	13	071
Area sı	Open	13	2.00
		11	5.00
ha)	Water		0.00
dentified land (in ha)	Non- Scrub Water Total	6	0000
entified	Non- forest	90	06.1
	Open	-	2.00
Classification of	Moderately Dense Forest	9	2.00
	Very Dense Forest	'n	0
Area	for CA/ ACA/ PCA (in ha)	4	S
Name of the Forest Block	(RE/PRE/PF/DPF/ Revenue Forest)	en	Village- Talabarada under Bansapal Tahasil
Sl. Name No. of	Range	7	BJP
Ş. Ş.		+	-

Divisional Forest Office

Countersigned

Regional Chief Conservator of Forests, Rourkela Circle

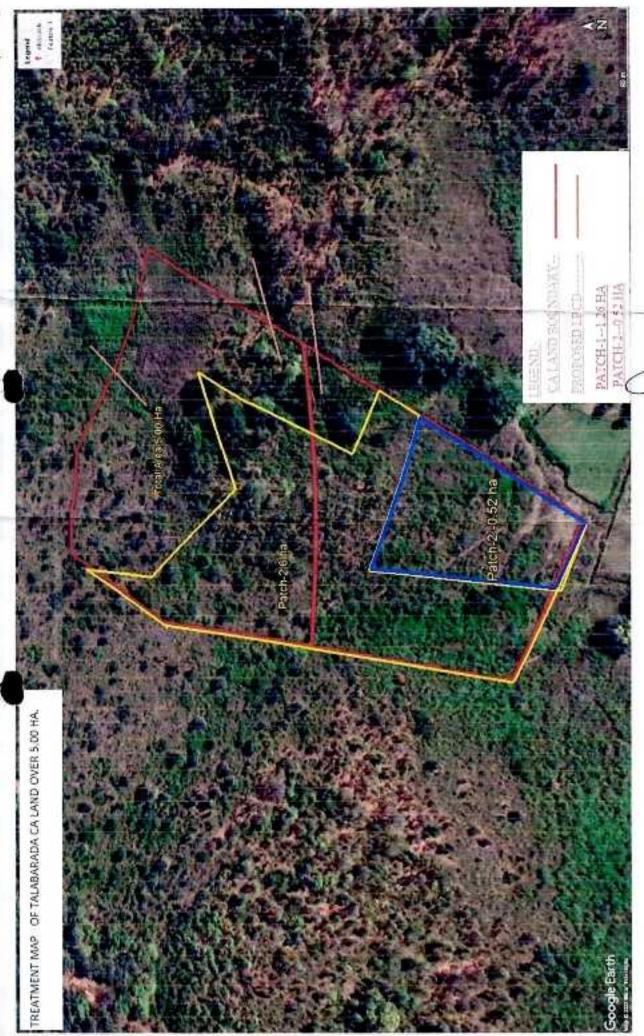
	4	Tahasil:-Banspal	.0	ith Remarks	11											C		COUNTERSIGNED	入至	Divisional Portest Officer	Kepulhar Division	•
IN FAVOUR OF M/s RUNGTA MINES LIMITED.	Date-	Tahas	Area (in Ha lFound	for Unsuitable with Reasion	10				re having									COON			XC-5X	Signature & SeaT of
ED.			3.)	Total	at	3,386	1.614	5.000	4.00 Ha. Or mo		names.				122					with fit for copi		
TES LIMIT			Plantation(in Ha.)	RDF	90			TOTAL	act patches of		or end circuit				r F.R Act, 2006			requrements.		bby forest gro		S Seal of
NGTA MIN			Plant	Block	7				8 & 9 із в сотра						ommunity unde		T.	developmental	use.	of 0.02 and scru	Ė	Signature & Sear of
OF M/s RU				Area (in Ha.)	9	15.000	16.000		ed in column 7,	aint of view.	(1) notification	יוכ.	*	any M.L/P.Lare	r of individual/c	25.10.1980.	ed reserve fores	ut also for other	an or Industrial	on with density		121
IN FAVOUR OF M/s RUNGTA MINES LIMITED.				Kissam	ú	PARBATA-1	PARBATA-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.	Certified that the above Government land is not covered under 4(1) notification	Certified that the above Government land is not covered under DLC.	Certified that the above Government land is not alloted previously.	Certified that the above Government land is not covered under any M.L/P.Larea.	Certified that the above Government land is not settled in favour of individual/community under F.R Act, 2006.	Certified that the status of the above plots was non forest as on 25.10.1980.	Certified that the above plots are not covered under any proposed reserve forest.	Certified that the above plots are unfit not only for agriculture, but also for other developmental requrements.	Certified that the above plots have no future potential for agrarian or industrial use.	Certified that the above identified area contains sparse vegetation with density of 0.02 and scrubby forest growth fit for copensatory		Rollin
				Plot No	4	7193	(4)6		forest Govern	for plantation	ernment land	ernment land	ernment land	ernment land	ernment land	te above plots	is are not cove	is are unfit no	is have no fut	ntified area co		
0006 H77 6000 CL 15.45				Khata No	m	24 64441	בינטטטו		he above non-	depth suitable	he above Gove	he above Govi	the above Gov	he above Gov	he above Gov	the status of th	he above plot	he above plot	the above plot	the above ider		
SACROMON CONTRACTOR		Range:- BJP Range	7	Name of Village	2	Telebondo	oco incomin		Certified that t	adequate soil	Certified that t	Certified that t	Certified that t	Certified that t	Certified that t	Certified that t	Certified that t	Certified that t	Certified that t	Certified that t	afforestation.	Signature & Seal of
5		Ranger		SI No.		7	3		A	·	ı m	÷	ιĥ	6	7	66	å	10-	-11	12-	ene g	Signature

WODERWIELY DENSE FOREST WERN DENSE POREST FOREST COVER MAP OPENHOREST NON FOREST OPEN FUREST POWLEGBIO SCHUE WATER **Decision Support System** GIS based 000 1000 NONFOREST armin All results are in Square Kilometer. FCM Without Grid Result Forest Cover Map -> Tha @ 1600 plants 9 8 SMC WOOLE 12hs@1000phonts 40.25.193 Lat 21,715 Log # DO: HATTE NOT THE Scale 1 306 109

S cum Treatment Map

Divisional Sorest Officer Keenihar Division

Range Officer B.J.P Range



Divisional Schest Officer Keonjhar Division