

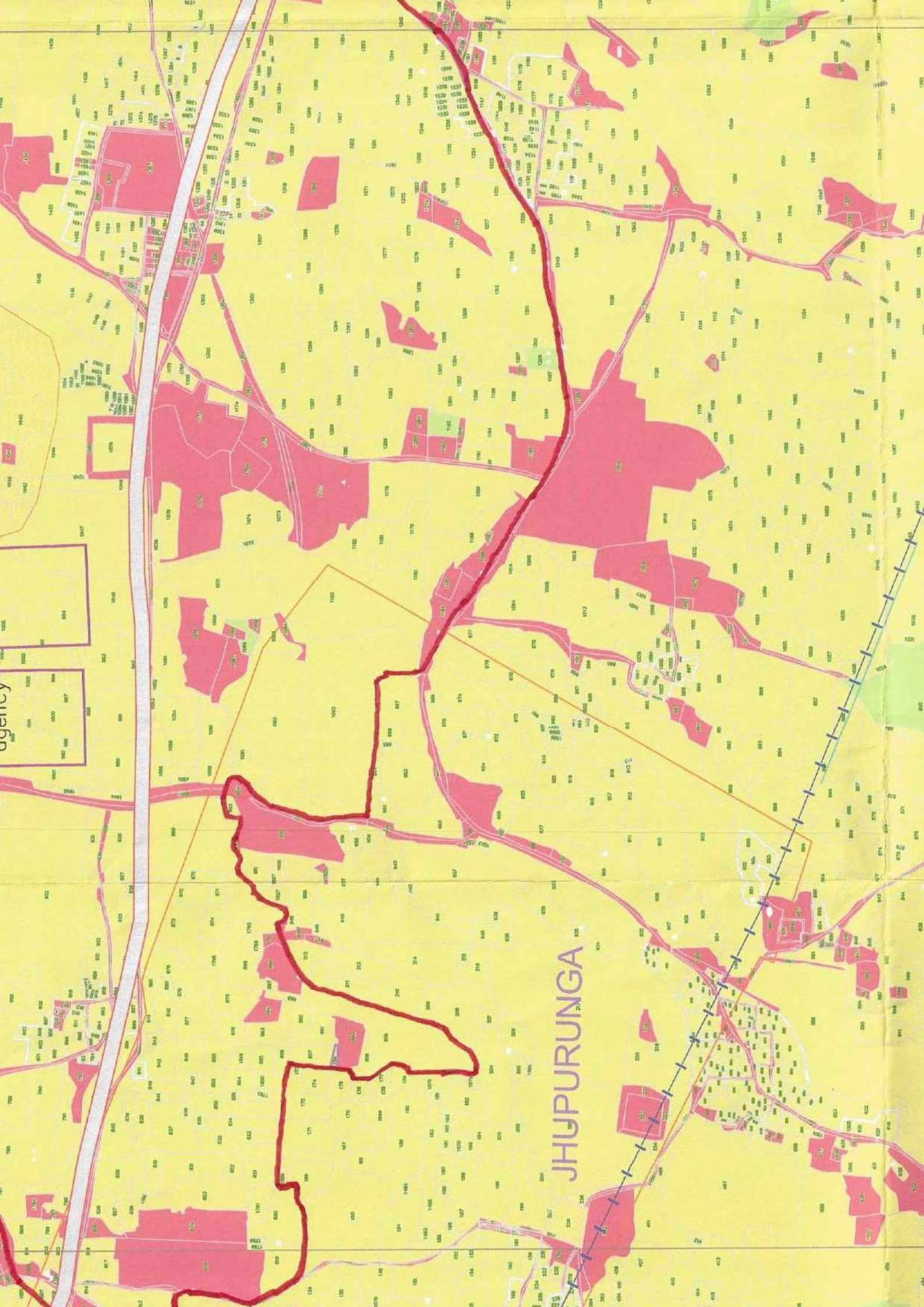
Annexure - I

LAND SCHEDULE PREPARED FROM RECORD OF RIGHTS (ROR)/ KHATIAN AVAILABLE AT TAHASIL OFFICE HEMGIR

Land Schedule in Forest Diversion Proposal of Siarmal OCP, MCL (Status as on 25.10.1980)					Remarks
Sl.	Village	Khata No.	Plot No.	Kiam	
1	Gopalpur	182	763	Jungle	Wrongly it was mentioned as 184.
2		184	783	Jungle	Verified with Khatian and found correct.
3		184	784	Jungle	Verified with Khatian and found correct.
4		184	982	Jungle	Verified with Khatian and found correct.
5		182	1128	Jungle	Wrongly it was mentioned as 184.
6		182	1498	Jungle	Wrongly it was mentioned as 184.
7		182	1501	Jungle	Wrongly it was mentioned as 184.
8		184	1511	Jungle	Verified with Khatian and found correct.
9		184	1514	Jungle	Verified with Khatian and found correct.
10		182	1697	Jungle	Wrongly it was mentioned as 184.
11	Ratansara	191	1198	Sal Jungle	Verified with Khatian and found correct, but in the year 1988 the land has been settled to Khata No.186/122.
12		191	1200	Sal Jungle	Verified with Khatian and found correct, but in the year 1988 the land has been settled to Khata No.186/122.
13		191	1201	Sal Jungle	Verified with Khatian and found correct, but in the year 1988 the land has been settled to Khata No.186/122.
14	Jhupurunga	240	1203	Jungle	Verified with Khatian and found correct.
15	Gopalpur	184	705	Jungle	Verified with Khatian and found correct, but in the year 1988 the land has been settled to Khata No.180/71 & 180/72 vide Lease Case No.616/75 & 602/75.
16		184	955	Jungle	Verified with Khatian and found correct.
17		184	1549	Jungle	The total area of the plot is Ac.6.33, out of that Ac.1.33 has been settled to Kalia Amat S/o. Siba Amat vide Lease Case No.1209/75.
18	Ratansara	193	1793	Jungle	Wrongly the plot has been printed twice.
19		191	1795	Bada Jungle	Wrongly the plot has been printed twice.
20	Gopalpur (GNF)	184	718	Ba.Sa	Verified with Khatian and found correct.
21		184	758	Dhuda	Verified with Khatian and found correct.
22		184	761	Patit	Verified with Khatian and found correct.

"Certified that Status of total land involved in the project (both forest & non-forest) as given in the Table above is as per Government records as on 25.10.1980"

TAHASILDAR HEMGIR
11/2/20
TAHASILDAR
HEMGIR



JHUPURUNGA

COMPENSATORY AFFORESTATION SCHEME

of

SIARMAL OPENCAST PROJECT

of

MAHALAXMI AREA, MCL

**Mahanadi Coalfields Limited
(A Subsidiary of Coal India Limited).
Jagruti Vihar, Burla, Sambalpur**

Prepared by
Divisional Forest Officer,
Sundargarh Forest Division,
Sundargarh

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1. Introduction

Siarmal OCP is consisting of Siarmal, Siarmal Extension and Banapatra blocks and located in north-western central part of Ib River coalfield of Odisha, known as Gopalpur sector. The Ib River coalfield lies in between latitude 21°31' to 22°14' North and longitude 83°32'00" to 84°10'00" East and falls mainly in Sundargarh, Jharsuguda and Sambalpur districts of Odisha. District headquarter Sundargarh, on State Highway-10 (Sambalpur to Rourkela), is at a distance of about 46 km. from the blocks. The Sundargarh (Odisha) – Raigarh (Chattisgarh) all weather road passes through the blocks. The blocks are also connected by black top road with two important towns of Odisha namely Rourkela at 145 km and Jharsuguda at 75 km. The blocks come under Himgir Tahsil and Balinga police station in the district of Sundargarh, Odisha. The blocks are around 6 km. south west of Basundhara West Colliery and are connected by part metallic road. The blocks are connected by road to the state capital Bhubaneswar through State Highway-10 and National Highway-42, with a total distance of around 450 km. The blocks are well connected with MCL HQ at Sambalpur situated at a distance of about 100 km. The Nearest railhead is Hemgir, on Mumbai-Howrah Broad Gauge of South Eastern Railway at a distance of about 35 km from the blocks. Jharsuguda railway station on Jharsuguda-Sambalpur-Bhubaneswar rail line of East Coast Railway is at a distance of about 75 km. The nearest port at Bay of Bengal is Paradip and situated at a distance of about 600 km. from the block. The Jharsuguda Airport, is the nearest airport from the block (Approx. 45 KM). This project is an open cast mining project having 1547.82 MT of quarriable coal reserve in Siarmal, Gopalpur, Ratansara, Jhupurunga, Tumulia and Kulda villages. The Siarmal OCP has got a life span of 39 years. The project extends over an area of 2290.449 Ha of tenancy land, forest land and Non-Forest land as detailed below:

Sl. No.	Type of Land	Area in Hectares
1.	Revenue Forest Land	349.709 Ha.
2.	Govt. Non-Forest Land	448.843 Ha.
3.	Tenancy Land	1491.898 Ha.
Total Land		2290.449 .

2. Forest Land Involved

Out of the total land requirement of 2290.449 Ha, the Siarmal OCP involves 349.709 Ha including 3.930 Ha of forest safety zone, which is to be diverted for non-forestry purpose. The detailed Land schedule of Forest land proposed for non-forestry purpose is furnished below:

Sl. No.	Type of Use	Area in Hectares
1.	Mining Zone	260.769 Ha
2.	OB dump, Embankment, other infrastructure and Blasting danger zone	85.010 Ha
3.	Safety zone	3.930 Ha

3. Identification of Degraded Forest Land

As per revised guidelines contained in letter No.11-30/96-FC, dated 10.04.1997 of the Ministry of Forest & Environment a special provision for Central Government Projects has been made for compensatory afforestation by inserting Para 3.2 (viii) (inserted) in the existing guideline. As per revised guideline for diversion of Forest Land under the **Forest (Conservation) Act – 1980**, compensatory afforestation can be done over degraded forest land twice in extent of forest area being diverted for Central Projects. As per **clause 4.7** of the consolidated guidelines for diversion of forest land under the **Forest (conservation) Act – 1980** in the matter of mining lease, the forest Area required for safety zone for mining operation should be the part of the forest area proposed for diversion.

Therefore, the present scheme for compensatory afforestation aims at prescribing afforestation program over **712.477 Ha** of degraded forest area (twice in extent to the forest area of **349.709 Ha** including the area of safety zone i.e., 3.930 ha.) being diverted. Accordingly, a gross area of 712.477Ha of degraded forest area has been identified in Satparlia Reserve forest under Sundargarh Forest Division. The identified area of degraded forest in Satparlia Reserve forest is in a single patch. The DGPS map showing the afforestation site in Satparlia R.F is furnished herewith as **Annexure – K**. The degraded forest lands identified having found suitable for afforestation; a certificate to that effect is furnished in **Annexure I**. The compensatory afforestation sites are shown on toposheet enclosed in **Annexure M**.

4. Topography

The altitude of afforestation site selected in Satparlia varies from 280 to 290 mts. The thickness of soil varies from shallow to moderate. The lateritic soil with moorum is seen in some places and at other it is sandy loamy. The drainage is good. The soil is also devoid of humus. At the site, erosion varies from slight to moderate.

5. Climate

The climate of this region is characterized by hot dry summer with well distributed rainfall in South West monsoon season. Cold seasons begin in the month of November and lasts till the end of February. The hot seasons follows thereafter and continues till June. The South-West monsoon starts from mid-June and continues till the end of September. The annual rainfall varies from 1200 to 1500 mm. The months of October and November constitute the post-monsoon seasons. The climate in general is hot, moist and sub-humid. The temperature varies from 15⁰C to 48⁰C. May and December are the hottest and the coldest months of the year respectively.

6. Existing Vegetation

Satparlia R.F which is situated approximately 7 km away from Sundargarh is much degraded due to severe biotic interferences and fires. As a result, the forest has been dry and open. The R.F contains bushy forest growth of dry deciduous species namely Karala, Sidha, Dharua, Char, Kendu, Sal, Dhatki, Dumkurdu, Kurdu and Kurai.

7. Proposed Techniques of Afforestation:

The density of forest cover in identified site in Satparlia R.F varies from 0.3 to 0.4. Many gaps are noticed inside the identified site. As the site being degraded with rooted stocks, it is proposed to take up rehabilitation work with regeneration, cleaning of existing crop and gap planting in the blanks. As the soil thickness varies from shallow to medium and the moisture retention capacity of the soil is poor, the pit size is proposed to be 30 x 30 x 30 cubic cm. It is proposed to plant 1000 nos. of seedling of native species at a spacing of 2.5 mt x 2.5 mt. in the gaps. Such ANR works will be taken up over 699.418 Ha out the gross area of 712.477 Ha in Satparlia R.F of Sundargarh Range.

Keeping in view the existing natural vegetation, the edaphic and climatic factors, the following species are chosen to be taken up for plantation:

1. Bamboo- *Dendrocalamus strictus*

2. Neem - *Azadirachta indica*

3. Karanj - *Pongamia pinnata*

4. Amla - *Emblica officinalis*
5. Asan - *Terminalia tomentosa*
6. Jamun - *Sizygium cumini*
7. Khair - *Acacia catechu*
8. Bahada - *Terminalia chebulla*
9. Sissoo - *Dalbergia sissoo* and others.

(i) Raising of Nursery Stock

Eighteen months old seedlings will be collected from Departmental Central Nursery and dibbled in poly pots for plantation.

➤ **Following two major operations will be carried out:**

A. Regeneration Cleaning:

This operation will be carried out in winter. Following works will be carried out during this operation:

1. For helping the rooted waste to grow better all the unwanted growth including climber and creepers will be cleaned and removed and the useful species will be freed from suppression.
2. The mal formed stems will be coppiced. When there will be more than one shoot, the sound shoot will be singled out.
3. The congested stands of useful species will also be thinned.
4. Where congested bamboo clumps are available, the same will be cleaned.
5. High stumps will be cut flush to the ground

B. Gap Planting:

For filling up the blanks, 1000 numbers of seedling per Hecter is proposed in ANR plantation. The detailed plantation activities & cost has been appended in **Annexure B**.

In the area chosen for plantation work, two stages of weeding are recommended to be carried out. To promote and enhance the growth of the plants, it is necessary to see that, the plants get as much nutrients as possible and that no other plants are competing for space, light and nutrients. Therefore, weeding and soil working must be taken up in a newly created plantation. The period of weeding should be as follows:

(A) 1st weeding and manuring (including casualty replacement) – Last week of July.

(B) 2nd weeding, soil working & manuring – Last week of August/ September

1st weeding is an area weeding and should be taken up after a fortnight of completion of planting. In this weeding, the weeds around the planted seedlings are pulled to a radius of 45 cm and in all other space, they are cut back. During this operation, a dose of NPK fertilizer @ 20 grams per plant will be given to each plant. 2nd weeding is a strip weeding to be taken up in the last week of August/ September. This weeding shall also be carried out along the contour and the cut-out materials will be kept in intermediate lines. In soil, working the soil around each plant is loosened. The soil should be left in clods which will improve soil aeration and help develop root system along with moisture conservation by breaking soil capillary action. The detail plantation cost has been appended in **Annexure B.**

8. Soil Conservation Measures (SCM):

The slope of the area varies from gentle to moderate and at places steep. Soil conservation measures are indispensable and are to be appropriately addressed. The following measures are proposed to be taken:

1. Staggered contour trenches are to be dug in the sloped area of a size 2 m x 50 cm x 50 cm at a contour interval of 5 meter and vertical interval of 2 meter. 2500 m such staggered trenches are proposed to be dug which shall be placed in between the plantation contour lines. This will help in conserving water for planted seedling and checking soil erosion. The earthen bund on the lower side of the trenches is to be stabilized with vegetative plantation.
2. Linear contour bund is to be erected at foot over 2.5 km with vegetative plantation on the bund which will retard the velocity of water coming from the upper label to the plains, thereby help in checking soil erosion.
3. Check dams are proposed to be constructed out of dry rubble work in small nallah specially to be given on the upper reaches of the nallah. Twenty-five such dams have been proposed to be taken up.
4. To check soil erosion and the rain water draining out of the area, it has been proposed to take up special conservation measures by digging staggered trenches along the contour over the area @ 200 nos. per Ha. The size of the trenches will be 2 m x 0.5 m x 0.5 m. Digging of staggered

trenches will be done during September of first year. Agave planting will also be taken up on the dugout soil of the trench for its stabilization and to restrict the dugout soil from refilling into the trench. Thus, an amount of **Rs. 10,22,427/-** is required for **31.50 kms.** considering **Rs. 32,458/-** per km. for carrying out such special Soil & Moisture Conservation Measure. The cost norms for the same is enclosed vide **Annexure-E.**

(i) LOOSE BOULDER STRUCTURE (LBS):

Taking into the consideration the degradation of the area due to soil erosion, it has been proposed to take up Soil Conservation Measures by construction of Loose Boulder Structure over the area of size, (1mt=40 Nos., 2mt = 40 Nos.& 3mt= 24 Nos.)

Name of the Range	Name of the site	Area in Ha.	No. of LBS (1 meter in size)	No. of LBS (2 meters in size)	No. of LBS (3 meters in size)
Sundargarh Range	Satparlia R.F.	699.418	@Rs.2851/- per LBS For 40 Nos.: Rs.1,14,040/-	@ Rs. 5497/- per LBS For 40 Nos.: Rs.2,19,880/-	@ Rs. 11356/- per LBS For 24 Nos.: Rs. 2,72,544/-

The details of Loose Boulder Structure (LBS) have been appended in **Annexure- D(i), D(ii), D(iii)**

9. Protection

In addition to an above measure, watchers are to be employed on daily wage basis for five years for success of plantation.

10. Miscellaneous operation:

- I. Survey and Demarcation:** The gross area of the plantation sites in Satparlia R.F must be surveyed and demarcated. It is necessary for future maintenance and management. The area will be surveyed with a prismatic compass and chain. The boundaries of these plots will also act as inspection path and fire line. Masonry pillars would be posted at the boundaries.

- II. Fire lines tracing and management:** Fire is a great destroyer of forest and young shoots. So, the boundaries at the area will be scrapped of any plant growth to a width of 2 meters during February/ March and the cut back materials would be burnt under strict supervision. The inspection path will be scrapped of weak growth to prevent spreading of fire, if any.
- III. Peoples' participation:** The local communities are to be involved in protection work by forming VSS.
- IV. Total financial outlay:** The total outlay for the scheme is **Rs.23,79,17,603.19** (enclosed as **Annexure A**).
- V. Executing Agency:** Divisional Forest Officer, Sundargarh.

**Divisional Forest Officer,
Sundargarh Forest Division**

Annexure A

TOTAL FINANCIAL OUT LAY OF THE PROJECT

1	ANR Plantation over 699.418 ha. @ Rs.2,20,397.48/per ha.	Rs.15,42,88,203.24
2	Barbed wire Fencing	Rs. 2,89,69,697.71
3	Special Soil Conservation Measure	
	i) Loose Boulder Structure (S.C.M.); 40 structures Span-1 mt. @Rs.2851/-	Rs. 1,14,040.00
	ii) Loose Boulder Structure (S.C.M.); 40 structures Span-2 mt. @Rs.5497/-	Rs. 2,19,880.00
	iii) Loose Boulder Structure (S.C.M.); 24 structures Span-3 mt. @Rs.11356/-	Rs. 2,72,544.00
	Total Loose Boulder Structure (S.C.M.)	Rs. 6,06,464.00
4	Estimate for digging of staggered trenches along with plantation of agave on the mound	Rs 10,22,427.00
5	Providing Cattle proof trench fencing	Rs.69,85,440.00
6	Two nos. of watcher sheds	Rs. 23,11,441.01
7	Drilling of 10 Nos. of Bore-well and Submersible Pump”	Rs. 40,80,996.37
	Total:	Rs.19,82,64,669.33
6	Add 20% escalation	Rs. 3,96,52,933.87
	Total:	Rs.23,79,17,603.19
7	Grand Total	Rs.23,79,17,603.19

(Rupees Twenty-three Crores seventy-nine lakhs seventeen thousand six hundred three and nineteen paisa only).

**Divisional Forest Officer
Sundargarh Forest Division**

Annexure -B**Cost estimate for Rehabilitation of Degraded Forest**

Site: Satparlia R.F.

Area: 699.418 Ha

Pit Size: 30 cm x 30 cm x 30 cm, Spacing:2.5 m X 2.5 m,

Plant /Ha: 1000 nos.

Wage Rate: Rs 308/day

Sl. No.	Items of work	Preferable period of execution	Labour in Man days	Labour Cost	Material Cost	Total Cost
1	2	3	4	5	6	7
Previous Year (Advance Year) Nursery Raising)						
1	Nursery Cost (18 months Old Seedlings) @ Rs. 37.67/- part (Rs 9.42 to be released) for 1100 seedlings (1000+100)	Nov-March			10362.00	10362.00
	Total				10362.00	10362.00
2	Monitoring and Supervision charge @ 5% of the total cost					518.10
	Grand Total					10,880.10
0th Year (Advance work) Pre-planting operation						
3	Survey, Demarcation and pillar posting	Nov/Dec	2	616.00	0.00	616.00
4	Site Preparation	Nov/Dec	12	3696.00	0.00	3696.00
5	Alignment and stacking of pits	Jan/Feb	2	616.00	0.00	616.00

6	Digging of pits (30 cm cube)	Feb/Mar	40	12320.00	0.00	12320.00
7	Nursery Cost (18 months Old Seedlings) @ Rs. 37.67/- part (Rs 24.49 to be released) for 1100 seedlings (1000+100)	April-Mar	0	0.00	26939.00	26939.00
8	Total			17248.00	26939.00	44187.00
9	Monitoring and Supervision charge @ 5% of the total cost					2209.35
Grand Total						46396.35
1st Year/Planting Year						
10	Nursery Cost (18 months Old Seedlings) @ Rs. 37.67/- part (Rs 3.77 to be released) for 1100 seedlings (1000+100)	April-June			4147.00	4147.00
11	Fencing for an average of 250 meters/ha @ 76.50/- per meter for bamboo twigs and bamboo thorn fencing	May/June	38	11704.00	19200.00	30904.00
12	Carriage & planting, casualty replacement and application of insecticides, manure, etc.	Jul/Aug	21	6468.00	0.00	6468.00
13	Cost of insecticide and fertilizer					
a)	NPK @ 50 gms/plant as basal dose= 55 kg @Rs. 24 per kg=Rs. 1320	July/August		0.00	1320.00	1320.00

b)	Urea @ 70 gms/plant in two subsequent doses @ Rs. 6/kg =Rs. 462			0.0	462.00	462.00
c)	Granular insecticide (Themet, Forate, etc.) @ 5 gms/plant@ Rs. 80 per kg= Rs. 440			0.0	440.00	440.00
14	1st weeding	Aug/Sep	7	2156.00	0.00	2156.00
15	Manuring Urea, 35 gms	Aug/Sep	5	1540.00	0.00	1540.00
16	2nd weeding	Sept/Oct	5	1540.00	0.00	1540.00
17	Soil Working (50 cms radius around plants & manuring Urea, 35 gms per plant	Sept/Oct	7	2156.00	0.00	2156.00
18	Soil Conservation Measures in the form of staggered trenches of sizes 2.0 m x 0.5 m x 0.5 m	Sept/Oct	10	3080.00	0.00	3080.00
19	Fire-Line tracing & Inspection path	Feb/March	3	924.00	0.00	924.00
20	Watch & Ward	Aug-March	7	2156.00	0.00	2156.00
	Total			31724.00	25569.00	57293.00
21	Monitoring and Supervision charge @ 5% of the total cost		0	0.00	0.00	2864.65
	Grand Total					60157.65
2nd Year Maintenance						
22	Repair and maintenance of Bamboo fence including material cost	May/June	20	6160.00	5080.00	11240.00

23	Casualty replacement (10%) with nursery cost	July/August	4	1232.00	3666.00	4898.00
24	Weeding and (complete weeding)	Sept/Oct	6	1848.00	0.00	1848.00
25	Cost of fertilizer (NPK @70gms/plant) (Rs.24/- per kg & insecticide @5 ms/plant for 160 plants 800 gms @ Rs.80/- per Kg)		0	0.00	208.00	208.00
26	Soil working (50 Cms. Radius around plants)	Oct/Nov.	7	2156.00	0.00	2156.00
27	Application of fertilizer & insecticide		4	1232.00	0.00	1232.00
28	Fire line tracing (2 m. wide fire line over 400 m length)		3	924.00	0.00	924.00
29	Watch & Ward		15	4620.00	0.00	4620.00
	Total			18172.00	8954.00	27126.00
30	Monitoring & supervision charge 5% of the total cost.					1356.3
	Grand Total					28482.30
3rd Year Maintenance						
31	Repair and maintenance of Bamboo fence including material cost	May/June	20	6160.00	1000.00	7160.00
32	Weeding and application of fertilizer	Aug/September	7	2156.00	0.00	2156.00
33	Cost of fertilizer (NPK @ 50 gms/plant) @ Rs.24/-per kg		0	0.00	1320.00	1320.00

34	Soil working (50 cms. Radius around plants) & application of fertilizer	Oct/Nov.	7	2156.00	0.00	2156.00
35	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
36	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total			16016.00	2320.00	18336.00
37	Monitoring & supervision charge 5% of the total cost					916.80
	Grand Total					19252.80

4TH YEAR MAINTENANCE

38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total					5544.00
40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20

5TH YEAR MAINTENANCE

38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total					5544.00

40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20
6TH YEAR MAINTENANCE						
38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total					5544.00
40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20
7TH YEAR MAINTENANCE						
38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total					5544.00
40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20
8TH YEAR MAINTENANCE						
38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-	15	4620.00	0.00	4620.00

		March				
	Total					5544.00
40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20
9TH YEAR MAINTENANCE						
38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total					5544.00
40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20
10TH YEAR MAINTENANCE						
38	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/March	3	924.00	0.00	924.00
39	Watch & Ward	April-March	15	4620.00	0.00	4620.00
	Total					5544.00
40	Monitoring & Supervision charge 5% of the total cost					277.20
	Grand Total					5821.20
	Total of all expenses					2,05,917.60

ABSTRACT

Year	Total
Previous year	10880.10
0 th Year	46396.35
1 st Year	60157.65
2 nd Year	28482.30
3 rd Year	19252.80
4 th Year	5821.20
5 th Year	5821.20
6 th Year	5821.20
7 th Year	5821.20
8 th Year	5821.20
9 th Year	5821.20
10 th Year	5821.20
Total	205917.60

Additional incentive of 3% for VSS/Fr/FG proposed for more than 80% survival and good growth during 4th year of the maintenance as per recommendation of DFO and RCCF: **Rs. 6177.53**

Additional EPA expenses if implemented through VSS: **Rs: 8500.00**

0 th year	Rs: 1000.00
1 st year	Rs: 2000.00
2 nd year	Rs: 1500.00
3 rd year	Rs: 500.00
4 th year	Rs: 500.00
5 th year	Rs: 500.00
6 th year	Rs: 500.00
7 th year	Rs. 500.00
8 th year	Rs. 500.00
9 th year	Rs. 500.00

10 th year	Rs. 500.00
Total:	Rs: 8500.00

Cost of plantation: (Rs. 205917.60 + Rs. 6177.53+ Rs. 8,500) =**Rs. 2,20,595.13/Ha**

Total Cost for Plantation: 699.418 Ha x Rs. 2,20,595.13/Ha = Rs. 15,42,88,203.24

(Rupees Fifteen Crore forty two lakhs eighty eight thousand two hundred three and twenty four paisa).

Estimate for Barbed Wire Fencing

1. Requirement of barbed wire per km as per Plantation cost norms 2019, Annexure 37: 1912 kg @ Rs. 80/kg

Therefore, total cost of barbed wire per km: Rs. $(1912 \times 80) = \text{Rs. } 1,52,960.00$

Now, the total cost of barbed wire per km for 31.50 km = Rs. $(31.50 \times 1,52,960.00) = \text{Rs. } 48,18,240.00$

2. Construction of RCC pillars

As per plantation cost norms 2019, Annexure 37, the cost of one pillar is Rs. 644.00

Requirement of pillars per km:

Spacing 2.5 mt x 2.5 mt

Requirement = $1000 \text{ mt} / 2.5 \text{ mt} = 400 \text{ numbers}$

Strut pillar in every 10th pillar = $(400/10) \times 2 = 80$

Therefore, total number of pillars per km = 480 numbers

Cost of pillars per km: Rs. $644.00 \times 480 \text{ numbers} = \text{Rs. } 3,09,120.00$

Total number of pillars in 31.50 km: 15,120

Cost of pillars for 31.50 km: Rs. $644 \times 15120 = \text{Rs. } 97,37,280.00$

3. Fitting fixing of RCC pillars in position with hbg metal (4cm) in C.M. (1:4:8)

- i) Digging of pits $1.5' \times 1.5' \times 1.5' = 3.375 \text{ cft/pit}$

For 480 pits, $480 \text{ pits} \times 3.375 \text{ cft/pit} = 1620 \text{ cft}$ or 45.86 cum @ Rs. $12,040.00/100\text{cum} = \text{Rs. } 5521.54$

For 15120 pillars, total digging to be done: 51,030.00 cft or 1445.00 cum

Hence, cost for digging of pits in 31.50 km of total length: $1445.00 \text{ cum} \times \text{Rs. } 5521.52 = \text{Rs. } 79,78,596.40$

ii) Fixing of pillars with 4cm hbg metals in C.M. 1:4:8

Total C.C. work per pillar: 2.25 cft

For 480 pillars: $480 \times 2.25 = 1080$ cft or 30.577 cum @ Rs. 3629.46/cum

For 15120 pillars, $15120 \times 2.25 = 34,020$ cft or 963.34 cum

Therefore, total cost for fixing of pillars with 4cm hbg metals in C.M. 1:4:8: 963.34 cum. x Rs. 3629.46 = **Rs. 34,96,404.00**

4. Labor for straightening the barbed wire and fixing & clipping with pillars, 70 M.D. per km @ 308/-: Rs. 308 x 70 = Rs. 21,560.00

Therefore, for 31.50 km, total cost = Rs. 20,860.00 x 31.50 = **Rs. 6,79,140.00**

5. Carriage of barbed wire & pillars to work site @ Rs.1000/tl. and cost of loading & unloading within 5 km distance approximately 10 tld @ 800/tld = Rs.18,000

Therefore, for 31.50 km,

total cost = $(31.50/5) \times \text{Rs. } 18,000.00 = \text{Rs. } 1,13,400.00$

6. Provision of one Iron Gate of size (4' x 5') on LS = Rs. 7,500.00

Therefore for 31.50 km, total cost of providing Iron Gate: Rs. 7,500 x 31.50 = **Rs. 2,36,250.00**

Total Expenditure: Rs. 2,70,59,310.40

Labor cess @ 1%: 270593.10

Total Expenditure including labor cess: **Rs. 2,73,29,903.50**

7. Expenditure towards maintenance for 3 years (3rd, 6th, and 9th year)

@ 2% of cost = $3 \times 0.02 \times \text{Rs. } 2,73,07,633.00 = \text{Rs. } 16,39,794.21$

Grand Total: Rs. 2,89,69,697.71

ANNEXURE – D (i)

I. Detail Estimate of Loose Boulder Structure (S.C.M.)

Span-1 mt. Ht. = 0.6 mt. Slope-U/S: 1:1.5 D/S slope: 1:2

Description of Work	Unit and Volume	Price
Leveling the unshaped surface of the selected site & layout the structure foundation L.S. 1 MD.		Rs. 308.00
Excavation of foundation in hard soil within initial lead of 50 meters including rough dressing and breaking of clods to maximum size 5 cm. to 7 cm. laying in layer not exceeding 0.3 in depth to strengthening both side U/S approx. bund of loose boulder structure. Base with apron- $1 \times 3.60 \times 1.60 \times 0.30 = 1.728 \text{ cum}$ Wing wall – $4 \times 0.50 \times 0.30 \times 0.30 = 0.180 \text{ cum}$ @ Rs. 6667.20 per 100 cum.	1.908 cum	Rs. 127.00
Rough stone dry packing up to GL Base with apron – $1 \times 3.60 \times 1.60 \times 0.30 = 1.728 \text{ cum}$ Wing wall – $4 \times 0.50 \times 0.30 \times 0.30 = 0.180 \text{ cum}$ Above GL Super structure- $1 \times 1.00 \times \frac{2.60 + 0.50}{2} \times 0.60 = 0.930 \text{ cm.}$ Wing wall – $4 \times 0.50 \times 0.30 \times 0.30 = 0.180 \text{ cum.}$ Side wall- i. $2 \times \frac{0.3+0.9}{2} \times 0.3 = 0.324 \text{ cum.}$ ii. $2 \times 0.3 + \frac{0.9 \times 1.2}{2} \times 0.3 = 0.432 \text{ cum.}$ iii. $2 \times 0.5 \times 0.9 \times 0.3 = 0.270 \text{ cum.}$ iv. $2 \times 1.0 \times 0.3 \times 0.3 = 0.180 \text{ cum.}$ @Rs. 571.87 per cum.	4.224 cum	Rs. 2,416.00
G. Total Rs. 2,851.00 (Rupees Two Thousand Eight hundred forty-one only)		

ANNEXURE – D(ii)**Detail Estimate of Loose Boulder Structure (S.C.M.)****Span-2 mt. Ht. = 0.6 mt. Slope-U/S: 1:1.5 D/S slope: 1:2**

1. Leveling the unshaped surface of the selected site & layout the structure foundation L.S. 1 MD.		Rs. 308.00
2. Excavation of foundation in hard soil within initial lead of 50 meter. including rough dressing and breaking of clods to maximum size 5 cm. to 7 cm. laying in layer not exceeding 0.3 in depth to strengthening both side U/S approx. bund of loose boulder structure. Base with apron- $1 \times 3.70 \times 3.00 \times 0.30 =$ Wing wall – $4 \times 0.50 \times 0.50 \times 0.30 =$ @ Rs. 6667.20 per 100 cum.	3.33 <u>0.30</u> 3.63 cum	Rs. 242.00
3. Rough stone dry packing up to GL Base with apron – $1 \times 3.70 \times 3.00 \times 0.30 =$ Wing wall – $4 \times 0.50 \times 0.50 \times 0.30 =$ Above GL Super structure- $1 \times 2.00 \times \frac{2.70 + 0.60}{2} \times 0.60 =$ Wing wall – $4 \times 0.50 \times 0.50 \times 0.50 =$ Side wall- i. $2 \times \frac{0.50 + 1.10}{2} \times 0.9 \times 0.5 =$ ii. $2 \times \frac{0.5 + 1.10}{2} \times 1.2 \times 0.5 =$ iii. $2 \times 0.6 \times 0.6 \times 0.5 =$ iv. $2 \times 1.0 \times 0.5 \times 0.5 =$ @ Rs. 571.87 per cum	3.33 0.30 1.98 0.50 0.72 0.96 0.36 <u>0.50</u> 8.65 cum	Rs. 4,947.00
G. Total:		Rs. 5,497.00
(Rupees Five thousand four hundred eighty-seven only)		

ANNEXURE –D(iii)

II. Detail Estimate of Loose Boulder Structure (S.C.M.)

Span-3 mt. Ht. = 1.0mt. Slope-U/S: 1:1.5 D/S slope: 1:2.0

I. Leveling the unshaped surface of the selected site & layout the structure foundation L.S. 1 MD.		Rs.308.00
II. Excavation of foundation in hard soil within initial lead of 50 mtr. including rough dressing and breaking of clods to maximum size 5 cm. to 7 cm. laying in layer not exceeding 0.3 in depth to strengthening both side U/S approx. bund of loose boulder structure. Base with apron- $1 \times 5.10 \times 4.00 \times 0.30 = 6.12 \text{ cum.}$ Wing wall – $4 \times 0.50 \times 0.50 \times 0.30 = 0.30 \text{ cum.}$ @ Rs. 6667.20 per 100 cum.	6.42 cum.	Rs. 428.00
III. Rough stone dry packing up to GL Base with apron – $1 \times 5.10 \times 4.00 \times 0.30 =$ Wing wall – $4 \times 0.50 \times 0.50 \times 0.30 =$ Above GL Super structure- $1 \times \frac{4.10 + 0.60}{2} \times 1.00 \times 3.0 =$ Wing wall – $4 \times 0.50 \times 0.50 \times 0.50 =$ Side wall- $2 \times \frac{0.50 + 1.50}{2} \times 1.5 \times 0.5 =$ $2 \times \frac{0.5 + 1.50}{2} \times 2.0 \times 0.5 =$ $2 \times 0.6 \times 1.0 \times 0.5 =$ $2 \times 1.0 \times 0.5 \times 0.5 =$ Total: @ Rs. 571.87 per cum	6.12 0.30 7.05 0.50 1.50 2.00 0.60 0.50 18.57 cum.	Rs.10620.00
Grand Total: Rs. 11356.00 (Rupees Eleven thousand three hundred forty-six only)		

Estimate for digging of staggered trenches along with plantation of agave on the mound

○ **Digging of Staggered Trenches:**

- Earth work in ordinary soil of staggered trenches of size 2 mt x 0.5 mt x 0.5 mt:

Male Labor, 16 numbers @ Rs. 308 per MD = Rs. 4928.00

Female Labor, 16 numbers @ Rs. 308 per MD = Rs. 4928.00

Total: **Rs. 9856.00/100 cum.**

Size of Staggered Trench: $2.0 \text{ mt} \times 0.5 \text{ mt} \times 0.5 \text{ mt} = 0.5 \text{ m}^3$

For 100 cum, earth work, cost involved = Rs. 9856.00

For required 0.5 cum of earth work, cost involved = Rs. $(9856 \times 0.5)/100 = \text{Rs. } 49.28$

Therefore, for 200 numbers of staggered trenches/km,

Total cost = Rs. $49.28 \times 200 = \text{Rs. } 9856.00$

- Cost of Agave Planting on the dugout soil and its maintenance including weeding, soil working, manuring, cost of fertilizer etc., for Seven years.:

03 nos. of average plants per trench @ Rs. 37.67 per plant = Rs. **113.01**

Therefore, for 200 numbers of staggered trenches,

the total cost of agave planting: $104.52 \times 200 = \text{Rs. } 22,602.00$

- Total = Rs. $9856.00 + 22,602.00 = \text{Rs. } 32,458.00$ for 200 numbers of staggered trenches/km

Therefore, for 31.50 km, Rs. $32,458.00 \times 31.50 = \text{Rs. } 10,22,427.00$

- Thus, the total cost for digging of staggered trenches along with plantation of agave on the mound is **Rs. 10,22,427.00**

- Prepared on the basis of Plantation cost norms "**Annexure-41**".

Annexure F

Cattle Proof Trench Fencing

➤ Specifications:

Length: 1.0 meter

Top Width: 2.0 meter

Bottom width: 1.0 meter

Depth: 1.5 meter

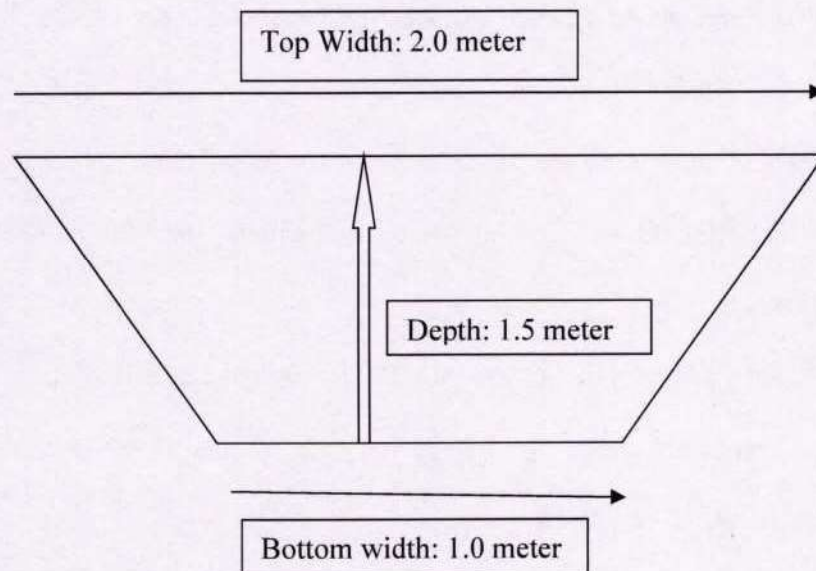
Cross Section: $[(2.0 \text{ meter} + 1.0 \text{ meter}) / 2 \times 1.5 \text{ meter}] = 2.25 \text{ m}^2$

Earth Work: $(1.0 \text{ meter} \times 2.25 \text{ m}^2) = 2.25 \text{ m}^3$

Cost per 1 running meter = 0.72 MD = Rs. 221.76 (@ Rs. 308/Wage MD Rate)

Cost for 31,500 running meters = Rs. $(31,500 \times 221.76) = \text{Rs. } 69,85,440.00$

[Prepared as per Plantation Cost Norms 2019]



Annexure G**ESTIMATE****Name of the work: Two nos. of watcher sheds**

ABSTRACT OF COST						EST. NO.
Sl. No.	Description of items.	Quantity	Unit	Rate	Amount.	Reference: MCL Updated Rates'Nov'2018
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	20.66	cum	169.00	3491.54	2.8.1
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	10.57	cum	3953.50	41788.50	4.1.8

3	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	10.57	cum	722.55	7637.35	2.27
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	7.98	cum	5529.00	44121.42	5.1.2
5	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	1.48	cum	6472.65	9579.52	5.2.2

6	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases upto floor five level excluding the cost of centering, shuttering, finishing & reinforcement with 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size).	12.64	cum	6728.30	85045.71	Derived rate of 5.3 (modified)
7	Brick work with Fly Ash Brick (230x125x75 mm size) bricks of class designation 10 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand).	4.73	cum	4262.65	20162.33	Derived rate of 6.1.2
8	Brick work with Fly Ash Brick (230x125x75 mm size) bricks of class designation 10 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand).	20.85	cum	5128.80	106935.48	Derived rate of 6.4.2

9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars.	2424.40	kilogram	74.15	179769.26	5.22.6
10	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand).	243.43	sqm	163.80	39873.83	13.1.2
11	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand).	14.86	sqm	218.40	3245.42	13.7.2
12	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand).	57.11	sqm	148.15	8460.85	13.16.1
13	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate.	52.77	sqm	344.20	18163.43	11.3.1
14	Distempering with oil bound washable distemper of approved brand and manufacture to give an even	195.25	sqm	108.90	21262.73	13.41.1

	shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.					
15	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).	127.93	sqm	114.20	14609.61	13.46.1
16	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	660.20	kg	89.00	58757.80	10.2
17	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	39.62	sqm	82.30	3260.73	13.61.1
18	Centering and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for mass concrete.	9.60	sqm	199.95	1919.52	5.9.1

19	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform.	65.84	sqm	479.10	31543.94	5.9.3
20	Centering and shuttering including strutting, propping etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Struts.	24.32	sqm	539.15	13112.13	5.9.6
21	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers.	56.05	sqm	387.20	21702.56	5.9.5
22	Centering and shuttering including strutting, propping etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges.	5.60	sqm	819.10	4586.96	5.9.19
23	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size).	0.49	cum	5220.70	2558.14	4.1.2

24	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required: Kitchen sink without drain board :610x460 mm bowl depth 200 mm.	1.00	each	4508.10	4508.10	4.1.3
	Total for 01 no.				746096.86	
	Total cost for 02 no.				1492193.72	
	Add GST@18%:				268594.87	
	Total in Rs.				1760788.59	

ESTIMATE

Part-B (Construction of the toilets)

Sl. No.	Description of items.	Quantity	Unit	Rate	Amount.	Reference: MCL Updated Rates'Nov'2018
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5	15.39	cum	169.00	2600.91	2.8.1

	m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. cum 169.00					
2	Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete. cum 722.55	2.44	cum	722.55	1763.02	2.27
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) cum 4255.20	2.44	cum	4255.20	10382.69	4.1.6
4	Brick work with Fly Ash Brick (230x125x75 mm size) bricks of class designation 10 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand).	11.31	cum	4262.65	48210.57	Derived rate of 6.1.2
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of	1.31	cum	5529.00	7242.99	5.1.2

	centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).					
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	0.24	cum	6346.50	1523.16	5.3
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars kilogram 74.15	202.40	kilogram	74.15	15007.96	5.22.6

8	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases upto floor five level excluding the cost of centering, shuttering, finishing & reinforcement with 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size). cum 6728.3	0.98	cum	6728.30	6593.73	Derived rate of 5.3
9	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform sqm 479.10	13.26	sqm	479.10	6352.87	5.9.3
10	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers.	9.34	sqm	387.20	3616.45	5.9.5
11	Brick work with Fly Ash Brick (230x125x75 mm size) bricks of class designation 10 in superstructure	6.29	cum	5128.80	32260.15	Derived rate of 6.4.2

	above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand).					
12	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	185.51	kg	89.00	16510.39	10.2
13	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand).	54.84	sqm	163.80	8982.79	13.4.2
14	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate.	5.75	sqm	344.20	1979.15	11.3.1
15	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand).	16.54	sqm	218.40	3612.34	13.7.2

16	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	1.00	each	5512.90	5512.90	17.1.1
17	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap.	1.00	each	3236.05	3236.05	17.7.4

18	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	each	1357.90	2715.80	17.31
19	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe :32 mm dia.	1.00	each	159.70	159.70	17.28.1.1
20	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms.	1.00	each	543.00	543.00	17.73.1
21	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10	18.00	metre	507.75	9139.50	12.41.2

	mm gap for thermal expansion, (i) Single socketed pipes 110 mm diameter metre.					
22	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Single tee without door : 110x110x110 mm.	2.00	each	258.85	517.70	12.42.4.2
23	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 110 mm.	4.00	each	216.85	867.40	12.43.2

24	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° :110 mm bend.	2.00	each	191.30	382.60	12.42.5.2
25	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	4164.95	4164.95	Derived rate of 19.33
26	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size).	0.26	cum	5220.70	1357.38	4.1.2
27	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @	54.84	sqm	114.20	6262.73	13.46.1

	1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).					
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	12.42	sqm	82.30	1022.17	13.61.1
29	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore.	1.00	each	460.25	460.25	18.13.1
30	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore.	2.00	each	965.20	1930.40	18.17.1
31	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base	2000.00	per litre	8.75	17500.00	18.48

	support for tank.					
32	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required : 25 mm nominal bore.	2.00	each	469.00	938.00	18.47.3
33	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall :20 mm dia nominal bore.	30.00	metre	302.80	9084.00	18.10.2
34	Providing and fixing PTMT stop cock of approved quality and colour.15 mm nominal bore, 86 mm long, weighing not less than 88 gms.	2.00	each	197.10	394.20	18.55.1
35	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms.	2.00	each	185.50	371.00	18.54.1
36	Providing and fixing plasticized PVC connection pipe with brass unions: 45	2.00	each	64.20	128.40	18.21.2.1

	cm length:15 mm nominal bore.					
					233327.30	
			GST	18%	41998.91	
				TOTAL	275326.21	
		For 2 Nos.	Toilet		550652.42	
	Grand Total: (Part A + Part B)				23,11,441.01	

Annexure H

Estimate for the work "Drilling of 10 Nos. of Bore-well and Submersible Pump"

Enclosed: Quotation Ref. letter Dated. 25.07.18

Sl. No.	Code	Description	Qty.	Unit	Rate	Amount
1		Labor for drilling perfectly vertical bore hole of a specified dia. for a specified depth below around level through consolidated and unconsolidated rock with combination drilling rig as required to suit the site condition as per the direction of Engineer-in-charge including supply of rig with its accessories T&P and consumables etc for lowering or 200mmx150mm dia. GI/PVC/CMS pipes for housing fitted with socket and with or without well hard and boulder formation GI/PVC/CMS casing pipe if required to prevent collapse of over burden is to be provided by completion of tube wall).				
1.1	A	A. Drilling of 200mm dia bore-0 mtr to 30.00mtr.	30.00	per mtr	500.00	15000.00
1.2	B	B. Drilling of 200mm dia bore-30 mtr to 60.00 mtr	30.00	per mtr	500.00	15000.00
1.3	C	C. Drilling of 150 mm dia bore-60 mtr to 230.00 mtr and below	170.00	per mtr	450.00	76500.00

2		Lowering the following size of GI/PVC/MS/housing pipe with or without slotted pipes as per the necessary from the ground level upto 45.00 mtrs. Depth and fixed up in perfectly vertical position including cutting and threading of pipes and materials T&P all completed and the top of casing pipe threaded including plugging tube wells to prevent entry of foreign materials. lowering of 200mm dia PVC casing from 0.00 to 30mtrs lowering of 200mm dia PVC casing beyond 30mtrs and upto 60.00 mtrs.	60.00	per mtr	110.00	6600.00
3		Cleaning and developing tube-well with their own compressor continuously worked till clear and adequate discharge is obtained from tube-well including supply and use of all necessary equipment and labor as per direction of the EIC.	1.00	per mtr	3500.00	3500.00
4		Supplying all materials and labour,T&P and providing sanitary sealing by cement concrete grouting of annular space around GI/PVC/MS housing pipe upto 5.00 mtrs below ground level as per drawing to plug the above hole excluding cost of cement all complete as per the direction of EIC. Minimum one mtr of casing pipe to be inserted in the bore into the truck at the bottom	1.00	Each	1200.00	1200.00
5	A	Supplying of casing pipe 7" (200mm) PVC pipe.	60.00	per mtr	1430.00	85800.00

6	B	Providing and fixing clamp fabrication 65x1x1000mm for supporting clamp.	1.00	pair	690.00	690.00
7	C	Providing and fixing M.S. cap heavy duty for 100mm dia pipe.	1.00	pair	630.00	630.00
8	D	Providing and fixing M.S. cap heavy duty for 100mm dia pipe.	1.00	Each	810.00	810.00
9		Providing erecting and giving test of 2 HP submersible pump set confirming to IS 8034 and motor confirming to IS 9283 with water proof winding. Pump shall be suitable for various delivery head and discharge with stainless steel shaft. Motor suitable for working on 115/109 single phase, 50Hz A.C. supply with cable guard, thrust carbon/fibre bearing to withstand entire hydraulic thrust. The pump set shall be suitable for direct coupling with suitable starter. Pump should have suitable discharge outlet as per manufacturer's design. Anti-thrust streamlined nonreturn valve should be provided with the pump 3meter submersible copper conductor cable in single double run and 2 pair at erection clamp 65mm width 10mm thick shall be provided with each pump. The rate should be inclusive of lowering of 50mm dia. delivery pipe. Submersible pump set shall be operated for seven days run after commissioning and shall carry	1.00	Each	15787.15	15787.15

		manufacture's guarantee for a minimum period of one year.				
10.00		IS mark GI pipe heavy class and 50mm including al local and central taxes, inspection charges, transportation to stores etc., complete. NOTE: One coupler shall be provided with full length pipe cost of which is including in rates below.	200.00	Mtr.	380.00	76000.00
11		Supply and erecting B class GI Bend in position with necessary material 50mm diameter.	4.00	Each	230.00	920.00
12		Supplying and erecting Heavy duty GI Union in position with necessary material 50mm diameter.	2.00	Each	280.00	560.00
13		Supplying and erection automatic control panel for centrifugal/5HPsubmersible pump set consisting of starter S.P.P. water level controller, armeter phase indicating lamp etc., way for UG Tank.	1.00	Each	10500.00	10500.00
14		Supplying erecting flat flexible submersible cable copper conduct or PVC insulated and PVC sheather PVC installed PVC sheather copper conductor submersible cable 3 core 6 sqm	170.00	per mtr	210.00	35700.00
15		Supplying and erecting iron clad switch & fuse unit 415 500 V 32 Amp approved make erected on angle iron same.	1.00	Each	650.00	650.00
		TOTAL for 01 no.		Rs.	=	345847.15
		TOTAL for 10 no.		Rs.	=	3458471.50
		GST 18%		Rs.	=	622524.87

		GRAND TOTAL		Rs.	=	40,80,996.37
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Annexure: IV

Undertaking

(Condition No. 5)

We do hereby undertake "To pay the proportionate cost of Regional Wildlife Management Plan for the total project area as per the present rate".

General Manager
Mahalaxmi Area
Mahanadi Coal Fields Limited
General Manager,
Mahalaxmi Area.

Project Officer
Siarmal O.C.P.
Project Officer,
Siarmal OCP,
Mahalaxmi Area



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D 602490

MEMORANDUM OF UNDERSTANDING BETWEEN MAHANADI COALFIELDS LIMITED, JAGRUTI VIHAR, SAMBALPUR AND M/S MITS, RAYAGADA UNDER BASANTIDEVI CHARITABLE TRUST.

THIS MEMORANDUM OF UNDERSTANDING(MOU) MADE AT JAGRUTI VIHAR, BURLA, SAMBALPUR ON THIS 30th day of August 2018 between Mahanadi Coalfields Limited (MCL), a miniratna CPSE having its Corporate Office at Jagruti Vihar, Burla, Sambalpur, a subsidiary of Coal India Limited, hereinafter referred to 1st Party(which expression shall, unless repugnant to the contest or meaning thereof, be deemed to mean and include it's successors, administrators and assigns) of ONE PART.

AND

M/s MITS, RAYAGADA UNDER BASANTIDEVI CHARITABLE TRUST, At: Sriram Vihar, Bhujbal, PO: Kolnara, Dist: Rayagada(Odisha) hereinafter referred to as the 2nd Party(which expression shall be deemed to mean and include his heirs, legal representatives, administrators and assigns) of OTHER PART.

[Signature]
30/8/18
महाप्रबंधक(मानव संसाधन विकास)
General Manager(HRD)
आनंद विहार, बुरला
Anand Vihar, Burla
सम्बलपुर, Sambalpur - 768020

[Signature]
30-8-18
Settler Cum Founder Trustee
Basantdevi Charitable Trust



ଓଡ଼ିଶା ओडिशा ODISHA

AND - 2 -

D 602489

WHEREAS the 1st Party is engaged in Mining of Coal in the state of Odisha and employing a lot of land oustees under its Rehabilitation and Resettlement(R&R) Scheme and new appointees under provisions of NCWA in the industry and with an intention to utilize the service of new appointees under R&R Scheme and provisions of NCWA in the industry in a better and meaningful manner invited Expression of Interest (EOI) published in the web-portal of the 1st Party and print media.

AND

WHEREAS the 2nd Party in response to the EOI, expressed its interest by its letter No. 349/MITS/MCL/2018 Dated 18.07.2018 to impart ITI training to the matriculate and above and responded to the EOI invited by the 1st Party for skill development training programme of the new appointees of the company published in the web-portal of the 1st Party and print media to the GM(HRD), MCL.

AND

WHEREAS the 1st Party through a High Power Committee scrutinized the offer submitted by the only bidder i.e. the 2nd Party and selected it to be a successful bidder for imparting schooling and technical skill development training for illiterate and literate(School dropout) new entrants of the 1st Party for a period of two years in the institution run by 2nd Party.

NOW IT IS HEREBY AGREED BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. The 2nd Party will arrange School Education plus Technical Education/Modular Course for a period of two years for the session 2018-20

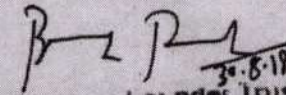
महाप्रबंधक (HRD) (General Manager (HRD))
आनंद विहार, बर्ला
Anand Vihar, Burla
सम्बलपुर, Sambalpur - 768020

Settler Cuni Founder Trustee
Basantdevi Charitable Trust

i.e. Open Basic Education(OBE) through NIOS/SIOS/State Board in the first year (for clearing Class-X) and technical multi skill training under Modular Employable Scheme(MES) Modules in the 2nd year to the new entrants of the 1st Party.

2. The 2nd Party will ensure quality education so that 100% result in the final examination shall be ensured and all the trainees will clear MES/NIOS/SIOS/NCVT/State Board/CBSE examination on successful completion of the training.
3. During training period, the 2nd Party will provide necessary infrastructure such as Classroom, Laboratory, Workshop, Furniture and Fixture, Machinery & Equipment, Computer, Internet, Teaching Aids, Uniform/Shoes and other necessary infrastructure required to meet the course/curriculum/syllabus needs in their institute for training of the trainees.
4. During training period, the 2nd Party will provide standard, neat and clean, hygienic Hostel accommodation to all the candidates sponsored by the 1st Party within the campus or nearby location. The accommodation for Male and Female candidates shall be arranged separately and availability of Male/Female wardens shall be ensured in each Hostel on 24 hours basis.
5. During the training period, the 2nd Party will ensure that all the trainees are provided with COT, Mattress, wardrobe, Table and Chair in the rooms of the hostel and supply of drinking water on 24 X 7 basis in the hostel.
6. The 2nd party shall ensure Safety, Security and Health Care of the trainees through insurance coverage and all other facilities as mentioned in the offers submitted by the 2nd Party on 16.07.2018 throughout the training period. The 2nd Party will also arrange First-Aid facilities and treatment of all the trainees in case of illness on 24 X 7 basis during the period.
7. As regards grant of leave etc., the Principal is empowered to grant Casual Leave to the trainees as per the provisions contained in the Leave Rules of the 1st Party. For grant of any other leave/LTC/LLTC etc., the Principal will forward the application to the General Manager of the sponsored Area of the 1st Party/ in case of trainees of MCL HQ. to the GM(P&IR), MCL.
8. All the trainees will bear the cost of food and incidentals from the pocket. In case any trainee fails to make such payment, the 2nd Party will send the bills directly to the General Manager of the sponsored Area of the 1st Party/GM(P&IR), MCL, in case of trainees of MCL HQ., and the General Manager of the sponsored Area of the 1st Party/General Manager(P&IR), MCL will make necessary payment to the 2nd Party within a period of one month from the date of production of such bills.


महाप्रबंधक (मार्केटिंग वित्त विकास)
General Manager (HRD)
आनंद विहार, बुर्ला
Anand Vihar, Burla
सम्बलपुर, Sambalpur - 768020



Settler cum Founder Trustee
Basantdevi Charitable Trust

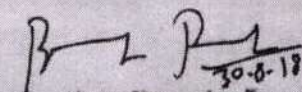
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9. During the training period, the 2nd Party shall ensure the Bio-Metric attendance (both IN and OUT) of all the trainees for attending the training class in the institute.
10. During training period, the Officers/Representative of the 1st Party shall be allowed to inspect and verify on any day without any protest and obstruction by the 2nd Party and/or any of its duly authorized Representative/Agent.
11. During Training Period, the 2nd Party will maintain necessary attendance records (both Bio-Metric and Attendance Register) on day to day basis and the attendance particulars of each candidate for the period from 25th of the preceding month to 24th of current month duly certified by the Principal of the institute will be sent to the General Manager of the sponsored Area/in case of trainees of MCL HQ to the GM(P&IR), MCL on every 25th of current month without fail for preparation of salary in respect of the trainees.
12. The 2nd party will ensure availability of experienced Principal, minimum five years teaching experienced faculties and administrative staff throughout the period of training as per the guidelines/requirement of NIOs/SIOS/NCVT & SCVT/State Board/CBSE.
13. The 2nd Party will submit quarterly progress report with respect to the performance of the trainees to the General Manager of the sponsored Areas of the 1st Party/ in case of trainees of MCL HQ. to GM(OP&IR), MCL as well as to the General Manager(HRD) of the 1st Party by 5th day of the succeeding month of each quarter.
14. A "Joint Review Committee" consisting of two representatives of each party will be constituted to review the status of training as well as boarding and lodging facilities on monthly basis. The joint Committee shall also hear the grievance, if any, from the trainees and take remedial measures, if any.
15. **Effective Date:**
 - a) The MOU shall be effective from the date of signing and shall remain in force for a period of two years or such other extended period as mutually agreed to, from the said date.
 - b) The MOU shall automatically be terminated/stand cancelled on expiry of two years, unless the same is extended by the both parties.
 - c) All attempts be made to complete the course within two years duration w.e.f. the signing of MOU.

16. Payment Terms:

- a) No cost of escalation shall be applicable during the MOU period.


महाप्रबंधक (महानिदेशक) संसाधन विकास
General Manager (HRD)
आनंद विहार, बुर्ला
Anand Vihar, Burla
सम्बलपुर, Sambalpur - 768020


30.8.18
Settler Cum Founder Trustee
Basantdevi Charitable Trust

- b) Payment shall be made by the 1st Party to the 2nd party as under:
- i) The payment of total course fees and hostel fees for the entire two years of Rs. 64,000/- (Rupees Sixty Four Thousand only) i.e. Rs. 40,000/- as Course Fees + Rs.24,000/- as Hostel Fees per candidate will be divided into four installments of Rs. 16,000/- (Rupees Sixteen Thousand only) per candidate.
 - ii) The payment of each installment will be released on half yearly basis (on completion of each six months), on submission of bill by the 2nd Party. However, the payment of 4th i.e. final installment will be released after successful completion of the course with 100% pass results i.e. after passing out all sponsored candidates.
 - iii) Bill accepting authority will be the General Manager of the sponsored Areas of 1st Party/GM(P&IR), MCL in case of trainees of MCL HQ.
 - iv) Paying Authority will be Area Finance Manager of the sponsored Areas/GM(F)/AFM in case of trainees of MCL HQ.

17. **Removable of Difficulties:** Any matter not covered specifically in this Memorandum of Understanding shall be settled by mutual discussion and agreement of the writing there upon.

18. Dispute Resolution:

- a) In case of any disagreement or dispute between the parties attempts shall be made to resolve the dispute through consultation between parties
- b) The decision regarding breach of any clause under this MOU shall be discussed and arrived at mutual consent and in case any breach has been committed by any of the parties of any of the terms and conditions of this MOU, such decision shall be conclusive, final and binding on the parties.


19. This MOU shall be executed in duplicate, the original shall be retained by the 1st Party and the duplicate by the 2nd Party.

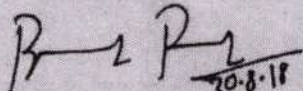
20. The stamp duty on this MOU shall be borne by the 2nd Party.

21. EOI is a part and parcel of this MOU.

22. Unless and otherwise agreed upon by the parties to the MOU, the MOU can not be terminated by either of the party for any reason whatsoever within the validity period of two years.

23. The MOU hereto is executed by the authorized representative of the 1st Party namely Sri P K Sahoo, Designation: Chief Manager (M)/General Manager(HRD), Age: 56 Years and the authorized representative of the 2nd Party Sri Biswajeet Panda, Settler-cum-Founder Trustee, M/s MITS, Age: 29 years R/o Indira Nagar, 3rd Lane, At/Po/Dist: Rayagada. Copy of the


30/8/18
महाप्रबंधक मानव संसाधन विकास
General Manager(HRD)
आनंद विहार, बुर्ला
Anand Vihar, Burla
सम्बलपुर, Sambalpur - 768020

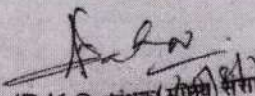

30-8-18
Settler Cum Founder Trustee
Basantdevi Charitable Trust

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authorization for signing the agreement will also form a part and parcel of this MOU.

IN WITNESS THEREOF THE PARTIES HERE subscribed their respective hand hereto and on a duplicate thereof on the 30th of August 2018.



FIRST PARTY



(P K Samal) (General Manager(HRD))
Chief Manager (M/s Mits)
Mahanadi Coalfields Ltd.
Sambalpur, Sambalpur - 768020

SECOND PARTY


(Biswajeet Parida) (Settler-cum-Founder Trustee)
Settler-cum-Founder Trustee
M/s MITS
Basanti Devi Charitable Trust

WITNESS:

1.  D.P. Samal, Sr. Mgr (P-50)
2.  D. Sethi, Sr. Mgr (F&M) / HOD.


30/8/18
30/8/18



CIPET सि पेट
probe • perform • practice • Plastics

सेन्ट्रल इंस्टीट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी

रसायन एवं पेट्रोसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार

सिपेट : कौशल एवं प्रौद्योगिकी सहायता केन्द्र (सी.एस.टी.एस)

एस- ३/७९, सेक्टर-ए, ज़ोन-बी, मन्नेश्वर इंडस्ट्रियल इस्टेट, भुवनेश्वर-७५१०१०

CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY

Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India

CIPET : Centre for Skilling and Technical Support (CSTS)

S-3 / 79, Sector-A, Zone-B, Mancheswar Industrial Estate, Bhubaneswar-751010

मुख्यालय : गिण्डी, चेन्नई- ६०००३२

Head Office : Guindy, Chennai - 600032

Annexur- VI



फोन/Tel. : 0674-2588203 / 2588392, फैक्स / Fax : 0674-2588087 ई-मेल / E-mail : cipetsat@gmail.com, mcti@cipet.gov.in वेबसाइट/ Website : www.cipet.gov.in

CIPET/CSTS/BBSR/CSR/MCL/2019-20/ 1036

Date: 18.11.2020

To

The General Manager (CSR),

M/s Mahanadi Coalfields Limited,

Jagruati Vihar, Burla, Sambalpur-768020 (Odisha)

Sub: Selection criteria of the candidates and documents required for "Handyman" multi skill development programme for the youth under the sponsorship of M/s Mahanadi Coalfields Limited, Sambalpur – Reg.

Ref: Your Approval Letter No.MCL/GM/CSR/2020-21/446 dated 20.09.2020.

Dear Sir,

With reference to the above cited subject, we express our heartfelt thanks in considering our proposal to undertake Multi Skill Development Training for the "Handyman" project during the FY 2020-21. In this regard and to proceed forward for conducting the approved training programme, it is prerequisite to establish minimum selection criteria to select the candidates from surrounding commanding areas of MCL, Sambalpur.

The details are given below as follows:

- Age limit of the candidates will be from 18 – 32 years.
- The minimum entry qualification of the candidate should be 10th pass.
- Preferable qualification – ITI or any other vocational qualification related to the field of Electrical, Welding, Plumbing & agricultural equipment.
- The candidates will be selected through written Examination/counseling process.

Further, below mentioned documents are required for selection of the candidates:

- Photocopy of ID Proof- Aadhar Card, Voter ID, Driving License, Income Certificate.
- Qualification Certificate
- Passport size Photograph -04 Copies
- Permanent Address Proof- Copy of Ration Card/Driving License/Bank Pass Book/Residential Certificate.

In continuation to this, please find enclosed herewith the Application Form and Registration Form of the candidates for your kind reference.

This is for your kind information and needful action.

Thanking You,

Yours Sincerely,

Ms. Niharika Parida

Dy. Director & Head

Mob: 99937142648

Encl: As above.

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बर्ही, बालासोर, बैंगलुरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नई, देहरादून, गुवाहाटी, ग्वालियर, हैदराबाद, हजारीपुर, हल्द्वारी, इम्फाल, जयपुर, कोच्ची, लखनऊ, मद्रास, मुम्बई, रायपुर, राँची, वलसाड एवं विजयवाड़ा

Centres: Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Chandrapur, Chennai, Dehradun, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Lucknow, Madurai, Murthal, Mysuru, Raipur, Ranchi, Valsad & Vijayawada



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CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY, BHUBANESWAR

Training Programme Sponsored by :



APPLICATION FORM

Paste Passport
Size Colour
Photograph

1. Name of the course applied :
2. Name of the applicant (IN BLOCK LETTER) :
3. Photo ID Proof No. :
(Copy of Aadhar Card/Voter ID/Driving Licence/PAN card etc to be attached)
4. Father's Name :
5. Father's Occupation :
6. Parents annual Income (copy of income certificate to be attached) :
7. Date of Birth (copy of proof to be attached) :
8. Sex (Male / Female) :
9. Category (SC/ST/OBC/OTHERS- copy of cast certificate to be attached) :
10. Marital Status : Married/Unmarried
11. Domicile State (copy of residential certificate to be attached) :
12. Address for correspondence :
.....
.....
Phone/Mobile No. (Compulsory)
E-mail :
13. Permanent Address with Phone No. : (Address proof : a copy of Ration card, Driving Licnese, Pass-Port, Bank pass book bearing. Name of the candidate and address)
.....
.....

14. Educational qualification

Examination Passed	Year of Passing	Division/ % of Marks	Subject	Name of Board/University

15. Working experience (If any) :
.....

DECLARATION

I do hereby declare that the information given in this application are true and complete to the best of my knowledge & belief.

Place :

Date :

Signature of the Applicant

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY
CIPET : CSTS BHUBANESWAR

S-3/79, Sector-A, Zone-B, Mancheswar Industrial Estate, Bhubaneswar-10
 Tel. : 0674-2588203 / 2588087 / 2588392 / 255391 Fax No. (0674) 2587874,
 E-mail : cipetsat@gmail.com, mcti@cipet.gov.in, Website : www.cipet.gov.in

ONLY FOR SPONSORED COURSE

REGISTRATION FORM

Admission Code
 (For Office Use Only)

Date : _____

Affix recent
 passport size
 colour
 photographs

Name of the Course :

Course Duration : _____ From _____ To _____

Name of the Candidate :
 (IN CAPITAL LETTERS)

Name of the Father / Guardian _____

Qualification : _____

Age : _____ Date of Birth : / / _____ Sex : _____

Category : _____ (SC/ST/OBC/Other, Specify)

Annual Family Income : _____ BPL Card No. _____

Religion : _____

Organization Name / Sponsoring Agency : _____

Designation / Occupation : _____

Area of Interest : _____

Address for Communication :

Present						Permanent					
Ph./Mobile No. :						Ph./Mobile No. :					
PIN						PIN					
Email :						Email :					

Work experience (if any) : _____

Photo ID NO. (Aadhar No./Voter ID/PAN/DL/Pass Port No. etc.) _____

10th/SSC Roll No./Certificate No. _____

SIGNATURE OF THE COURSE COORDINATOR

SIGNATURE OF THE TRAINEE

Handyman: One pager

Project ideation: 'Handyman' is the one who comes *handy* in providing multi-skilled services. The idea is that rural unemployed youth should be imparted self-employment oriented multi-skill training by an established training facility. Each individual should be trained in several skills unlike the traditional training programs which are confined to imparting training in a single trade. The trades selected for the purpose should meet the local requirements. To this objective, trades of Electrical, Mechanical, Welding and Agriculture equipment have been included. The trained youth will be provided with tool kit. Each candidate will be given a tool kit worth Rs. 59,300/- on completion of training. Once trained, they will start their own micro-entrepreneurship by providing repair-maintenance (R&M) services by remaining in their home villages. Their home will be the call centre from where they will attend the calls for which a Mobile app will be developed.

Agricultural tools have been added with a specific motive. Thanks to the enhanced credit facilities, farmers are progressively adopting technology intervention and mechanical implements in their farming framework. With growing numbers of sellers & buyers, market of agricultural tools/ equipment is expanding, But the same is not true when it comes to repair-maintenance service. In 'Handyman' project, the candidate will be imparted basic skills of repair and maintenance of domestic/agricultural pumps, submersible pumps, agricultural tools, tractor driven equipment like tillage, plough, cultivation and sowing equipment. With them taking the position, a farmer need not go for a long haul to the dealer/ showroom located far away. 'Handyman' will be his R&M service provider available at his doorstep.

An underlying principle of the project is that the youth will start earning by remaining in his village. He is having parents and siblings to look after, agriculture land to work, and livestock to take care. Add to this, there is a socio- cultural bonding with the community. All these factors stop him to move away from the village. *Handyman* concept takes in to account all these factors. The project envisages selection of trained youth in a distributive manner across the entire rural areas such that each candidate has a span of command around his home where he can render the services and intrusion of operational area is avoided.

So, the concept intends to impart '**Handyman' (Multi skill) training** to rural youth with the objective that the trained youth will start their own micro-business to earn a sustainable livelihood. The catchment area for each Handyman will be the rural and semi-urban settlements surrounding his residence. They have the option to go to farther place also as per their choice.

Executing Agency: CIPET (under Ministry of Chemical & Fertiliser, GoI). 6-months residential training. CIPET to take care of boarding, food, uniform etc. Criteria 10th pass. Selection will be done by CIPET. Course curriculum designed/ tailor made by CIPET Bhubaneswar in consultation with Agri-University. Candidates will be trained at CIPET Bhubaneswar where it runs an ITI and a Polytechnic. CIPET has tied up with Odisha University of Agricultural & Technology to impart training on Agri tools.

Cost estimate:

Rs.41, 44,606 for 24 candidates @ Rs. 1,72,692/- per candidate

'Handyman' Project

- In a meeting under the Chairmanship of Additional Secretary (Coal) held on 16-05-2019, all the subsidiaries of CIL were instructed to take necessary actions for implementation of the "Handyman" project
- **'Handyman'** a multi-skill training in electrical, welding, plumbing and repair-maintenance of agricultural tools.
- **Estimated cost:** Training & Tool Cost for 6-months training for 24 candidates- Rs. 41,44,606
- **Beneficiaries:** Unemployed youth (24 nos.) from MCL Mines Areas
- **CSR admissibility:** Livelihood enhancement projects (Clause no-II).
- **Execution:** CIPET Bhubaneswar

Genesis of the project:

Ministry of Coal called a meeting under the Chairmanship of Additional Secretary (Coal), on 16-05-2019 to review the progress of Skill Development works in coal companies. In the meeting, the Additional Secretary (Coal) gave impetus to include Skill Development in the CSR efforts. Contents of Minutes of the meeting relevant to the subject proposal are quoted as under:

"With a view to create self employment opportunities for youth as "Handyman", a multitasking module of training was proposed in which a person is trained in several skills required at local level such as electrician, plumber, motor/pump repair, basic home appliances repair & maintenance, mobile repair etc. A team of two or three such "Handyman" can easily sustain themselves in local area of about 15-20 Sq. Kms.

The training material should include start-up kits so that the trained youth can straight away begin practicing the skills acquired."

All the subsidiaries were instructed to take necessary actions for implementation of the "Handyman" project.

Ideation:

MCL initiated the action process by searching and looking for various specialised agencies who are specialists in imparting skill development trainings. CSR department conceptualised the 'Handyman' idea and prepared an elementary Conceptual plan. The idea was that the rural unemployed youth of peripheral villages should be imparted self-employment oriented multi-skill training by an established training facility. Each individual should be trained in several skills unlike the traditional training programs which are confined to imparting training in a single trade. The trades selected for the purpose should meet the local requirements. To this objective, we decided to include the trades of Electrical, Mechanical, Welding and Agriculture equipments. Repair of home appliances and mobiles was kept excluded from the purview for two reasons, firstly because we wanted the youth to be trained on hardware skill rather than soft skills which are available in plenty, and secondly because the trades selected in the combo are inter dependent, inter related and almost collectively exhaustive. The trained youth will be provided with tool kit. CSR deptt prepared a Concept Note-cum-Approach Paper for 'Handyman' project.

Brief of Handyman Concept Note:

Our mining projects are located in the rural areas of Angul, Jharsuguda and Sundargarh districts. There is a large population of displaced, to-be-displaced, and project effected communities residing in different locations surrounding the 'Areas'. MCL is in regular interaction with these communities for land acquisition, resettlement & rehabilitation and for acquiring Forest land.

The community has highest level of expectations from MCL on various fronts. While many get regular employment, there are some who doesn't fall within the scope of eligibility. They don't get regular employment, although they too are compensated as per the rules.

Against this background, MCL is contemplating to train and equip rural youth from among the surrounding settlements for skill based self-employment/ livelihood program. The concept runs as under-

'Handyman':

Unemployed youth (24 nos.) will be selected from different Areas. They will be imparted multi-skill training in electrical, welding, plumbing and repair-maintenance of agricultural tools to emerge as a 'Handyman' (i.e. the one who comes *handy* in providing multi-skilled services). Once trained, they will be given tool kit so that they can straight away begin practicing the skills acquired. Then they will start their own micro-entrepreneurship by providing repair-maintenance (R&M) services by remaining in their home villages. Their home will be the call centre from where they will attend the calls and proceed to attend the call of duty. Agricultural tools have been added with a specific motive. They should be imparted the basic skills of repair and maintenance of domestic/agricultural pumps, submersible pumps, agricultural tools, tractor driven equipments like tillage, plough, cultivation and sowing equipments.

So, the concept intends to impart '**Handyman' (Multi skill) training** to rural youth with the objective that the trained youth will start their own micro-business to earn a sustainable livelihood. The catchment area for each Handyman will be the rural and semi-urban settlements surrounding his residence. They have the option to go to farther place also as per their choice.

Search for training agency:

From the above perspective, intervention of the training agency will be on following lines:

1. Designing tailor made 'Handyman' training module covering Electrical, Welding, Plumbing and Agricultural tools, keeping in mind the typical requirements that usually arise in rural settlements. It is to be kept in mind that the settlements being referred are, for obvious reasons of the presence of MCL and other industries, are progressive and gradually converting into semi-urban settlements and their socio-economic condition is on the rise.
2. Submitting the Project report covering following:
 - a) Training module with financial break-up of training
 - b) Estimate break-up of tool kit with list of tools

c) Estimate break-up of three wheeler with equipments

A number of Organizations/ Institutes were contacted and then based on the response, the Idea alongwith the Concept note-cum Approach paper was shared with two skill training agencies who agreed to propose a training module as per the requirement put forward by MCL. These two institutes were NIAM Odisha and CIPET (Central Institute of Plastic Engineering) Bhubaneswar.

NIAM visited MCL office and discussed the matter. During discussion, we could sense that NIAM was not having the required wherewithal and resources to conduct such project. They told to submit the proposal. However no proposal has been submitted by them.

CIPET Bhubaneswar visited MCL office and discussed the matter. Based on the discussion held, they first submitted a draft proposal and made a presentation. As suggested by CSR deptt, CIPET submitted a detailed proposal named- 'Proposal for Multi Skill training program "Handyman"'. It was found that the proposal by CIPET was more authentic and suited to the requirement of MCL.

About CIPET:

CIPET is an Institution established under the Ministry of Chemical & Fertilizers, Govt of India. CIPET has its training centres at 36 locations all over India including the one at Bhubaneswar. At Bhubaneswar, they have two centres:

1. CIPET IPT at Patia: Established in 1986. It offers B Tech and M Tech courses
2. CIPET CSTS Mancheswar: The erstwhile Master Craftsman Training Institute of Govt of Odisha was taken over by CIPET in 2005 through an MoU. Since then, CIPET has developed this campus with extended facilities and manpower and introduced new courses. the training/courses imparted in this campus are as under:
 - a) ITI
 - b) Diploma in Plastic Technology
 - c) Specialized job oriented skill development training programs
 - d) National Skill Qualification Framework (NSQF) module

The skill development programmes conducted at CIPET centres are National Skills Qualifications Framework (NSQF) aligned and approved by National Skills Qualifications Committee (NSQC).

CIPET's work experience with CPSE/ Govt (last three years)

Sl. No.	Name of the Organization	Description	Financial Year
1	Coal India	Skill Development Training Programme	2018-19
2	NSPCL, Bhilai	Skill Development Training programme for Enhancing Employability among youth of nearby areas of Durg Division, Chhattisgarh under CSR	2019-20
3	NSPCL, Rourkela	Skill Development Training programme for economically weaker section youths of nearby /Surrounding area of NSPCL Rourkela under CSR	2019-20
4	SAIL, BSP Bhilai	Skill Development Training Programme for enhancing employment among youth of nearby areas of Durg	2019-20
5	ONGC, Kolkata	Job Oriented Technical Skill Development Programme on Plastic Processing and Manufacturing	2018-19

6	Odisha State Beverages Corpn Limited	Financial assistance for skill development training (SDT) programme for social economically poor candidates of Odisha	2018-19
7	OSDA, Govt. of Odisha	Placement Linked Training Programme	2018-19
8	HAL, Koraput	Skill Development Training in ITI (Welding)	2017-18
9	SAIL, Bhilai	Skill development Training Programme	2019-20
10	DMF, Angul	Skill Development Training Programme	2017-18
11	DMF, Keonjhar	Provision for Skill Development training	2017-18
12	NTPC, Darlipali	Technical Skill Development Training Programme	2016-17
13	IOCL, Paradip	Sponsorship for technical skill development Training Programme	2018-19

Project cost:

The estimate submitted by CIPET was scrutinized and it was decided to take up the following variant of Training Programme:

Intake		24 nos
A	Training Cost of 6-months training for 24 candidates	23,05,920
B	Cost of 'Toolkit' & other equipment for 24 candidates. Cost includes Escalation @5% and Administration charges @10%.	12,06,458
C	Total cost for 24 candidates (=A+B)	35,12,378
D	GST @18% (=C*1.18)	6,32,228
Total cost of the Project (=C+D)		41,44,606

Modalities of payment:

- 80% of the project cost to be released with sanction order (i.e. before commencement of the training program).
- 20% after completion of training and placement of minimum 70% candidate.

In this regard, it is to mention that although the project is conceptualized as trained youth starting his micro-entrepreneurship by remaining in his home, if any candidate wants to avail placement facility, CIPET guarantees placement for 70% candidates.

Selection of Candidates:

- It will be done jointly by CIPET and MCL on the basis of eligibility criteria as per guidelines of CIPET. The figure of 24 nos was based on the premise that 2 candidates will be selected from each Area. However, Basundhara and Mahalakshmi Areas are showing keen interest in this project. We may go for all candidates from these two areas. Final decision will be taken once the proposal is approved and the circumstances prevailing/priorities on offer at that point of time are assessed.
- Minimum qualification of trainees will be 10th pass above.
- Age limit of trainees will be 18 to 32 years.
- It will be a residential training programme

CSR Admissibility: The project intends to impart 'Handyman' (Multi skill) training to rural youth with the objective that the trained youth will start their own micro-business to earn a sustainable livelihood. **Livelihood enhancement projects (Clause no-II).**

Beneficiary of the Project: 24 youths from mining command areas



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MEMORANDUM OF AGREEMENT

This Agreement entered into on this day of 17th November 2020

BETWEEN

Mahanadi Coalfields Limited, a company incorporated under the Companies Act, 1956, having its registered office at Mahanadi Coalfields Limited, Jagruti Vihar, Burla, Sambalpur-768020 (hereinafter referred to as "MCL" which expression shall unless repugnant to the context or meaning thereof mean and include its successors in interest and permitted assigns); of the first part

AND

Central Institute of Petrochemicals Engineering & Technology, Centre for Skilling & Technical Support, Bhubaneswar situated at S-3/79, Sec-A, Zone-B, Mancheswar Industrial Estate, Bhubaneswar 751010 under Dept. of Chemicals & Petrochemicals, Ministry of Chemical & Fertilizers, Govt of India having its head office at CIPET Head Office, Guindy, Chennai 600032 (hereinafter referred to as "CIPET CSTS: BBSR" which expression shall, unless repugnant to or inconsistent with the context or meaning thereof, be deemed to include its successors and permitted assigns), of the second part.

"MCL" and "CIPET: CSTS, BBSR" shall hereinafter be referred to individually as a "Party" and collectively as the "Parties", as the case may be.

17/11/2020
General Manager (CSR)
Mahanadi Coalfields Limited
P.O. Jagruti Vihar, Burla
Dist- Sambalpur (Odisha)

Director & Head
CIPET: CSTS, Govt. of India
S-3/79, Sec-A, Zone-B
M.I.E., Bhubaneswar-751010
Ph-0674-2589392, Email: mcl@cipet.gov.in

WHEREAS,

- a) Schedule-VII of the Companies Act 2013 mentions employment enhancing vocational skills and livelihood enhancement projects as activities which may be included by Companies in their Corporate Social Responsibility.
- b) MCL desires to undertake CSR project under the thematic area mentioned at (a) above.
- c) MCL approached CIPET: CSTS, BBSR, explaining the concept of the initiative, to develop a scheme and submit to MCL in the form of Project Report.
- d) CIPET: CSTS, BBSR, as an Institute established under the Department of Chemicals & Petrochemicals, Ministry of Chemical & Fertilizers, Govt. of India submitted the project report to MCL.
- e) MCL, after extensive internal consultations & scrutiny and discussions with CIPET: CSTS, BBSR, made modifications in the project report and communicated the approval of the final Project to CIPET: CSTS, BBSR.


NOW THEREFORE the Parties hereto agree as under:**1. Title of the Project:**

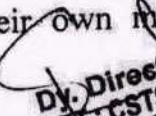
The Project shall be named "Implementation of the project 'Handyman', a multi-skill development programme for youth under CSR initiative of MCL"

2. Project brief:

'Handyman' project involves imparting multi-skill training to unemployed youth from amongst the project affected families. It shall be a 6-months training on the skills of electrical, mechanical, plumbing, and agricultural tools. 24 youth from the periphery of MCL operational areas shall be given Handyman training at CIPET: CSTS, BBSR.

'Handyman' is the one who comes *handy* in providing multi-skilled services. The idea is that rural unemployed youth should be imparted self-employment oriented multi-skill training by an established training facility. Each individual should be trained in several skills unlike the traditional training programs which are confined to imparting training in a single trade. The trades selected for the purpose should meet the local requirements. To this objective, trades of Electrical, Mechanical, Welding and Agriculture equipment have been included. Each candidate shall be given a tool kit on completion of training. Once trained, they shall start their own micro-

 17/11/20
General Manager (CSR)
 Mahanadi Coalfields Limited
 P.O. Jagriti Vihar, Burla
 Dist- Sambalpur (Odisha)


Dy. Director & Head
 CIPET: CSTS, Govt. of India
 S-379, Sec-A, Zone-B
 M.I.E., Bhubaneswar-7510
 Ph. 6674-2588392, Email: mcl@cipet

entrepreneurship by providing repair-maintenance services by remaining in their home villages.

Agricultural tools have been added with a specific motive. Farmers are progressively adopting technology intervention and mechanical implements in their farming framework. In 'Handyman' project, the candidate shall be imparted basic skills of repair and maintenance of domestic/ agricultural pumps, submersible pumps, agricultural tools, tractor driven equipment like tillage, plough, cultivation and sowing equipment.

3. Duration of training:

6 months from the date of commencement of training.

4. Assistance by MCL:

Total project cost is Rs 41,44,606/- .

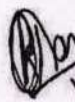
5. Payment modalities:

MCL shall disburse the funds in installments to CIPET: CSTS, BBSR in the following manner:

- 80% of the project cost to be released with sanction order (i.e. before commencement of the training program).
- 20% after completion of training and submission of Invoice. The project is conceptualized as self-employment scheme. CIPET: CSTS, BBSR shall provide placement of minimum 70% candidates if the candidates opt for the same. Final installment shall be released on submission of placement details in respect of candidates opting for wage employment and undertaking in respect of candidates not opting for placement.

6. Cost structure:

Intake capacity of Candidates		24 Nos.
A	Training cost	Rs. 23,05,920/-
B	Cost of Toolkit along with escalation charges	Rs. 12,06,458/-
C (=A+B)	Total cost	Rs. 35,12,378/-
GST @ 18%		Rs. 6,32,228/-
Total cost		Rs. 41,44,606/-

 17/11/2020

General Manager (CSR)
Mahanadi Coalfields Limited
P.O. Jagriti Vihar, Burla
Dist- Sambalpur (Odisha)


Dy. Director & Head
CIPET, CSTS, Govt. of India
S-3/79, Sec-A, Zone-B
M.I.E., Bhubaneswar-751010
Ph-0674-2588392, Email: mcti@cipet.gc

7. Submission of Progress Report and Utilization Certificate:

CIPET: CSTS, BBSR shall submit quarterly report of progress of work together with Utilization Certificate (UC) duly certified and digitally signed by practicing Chartered Accountant along with an abstract of expenditure and other relevant documents. The first quarterly report shall be submitted after completion of first three months of training and second quarterly report shall be submitted on completion of training.

8. Other provisions:

- a) CIPET: CSTS, BBSR shall emphasize that the candidates shall be made self-reliant to create employment /livelihood opportunities for themselves in their local area as first primacy. CIPET: CSTS, BBSR shall submit placement details for those candidates who shall opt for the wage employment along with the necessary details (Organization where the candidate was placed, salary offered, job location).
- b) For selection of candidates, modalities and procedure shall be devised by MCL and CIPET: CSTS, BBSR through joint consultation. MCL reserves the right to nominate candidates from the periphery of MCL operational areas.
- c) Any unutilized fund towards the project shall be refunded by CIPET: CSTS, BBSR to MCL. The interest accrued shall also be intimated to MCL and the said amount shall be refunded to MCL after being authenticated by a practicing Chartered Accountant.
- d) In the course of the project, all the materials used or to be used in the project shall remain at the risk of the CIPET: CSTS, BBSR and in no way MCL shall be held responsible to any compensation for injury caused to candidates or any other person under applicable Act/ Rules or on account of destruction of the works or materials arising from any causes what so ever.
- e) The amount to be paid by MCL under this MOA shall be utilized for the purpose as agreed under and shall not be diverted for any other purposes.
- f) On completion of the project, CIPET: CSTS, BBSR shall submit a Comprehensive Project Completion-cum-Evaluation Report incorporating scope of work, activities undertaken, objectives and deliverables achieved, financial details, beneficiary profile including name, age, sex, category, and recommendation if any along with photographs/ video etc. This report shall be in addition to the 2nd quarterly progress report.

17/11/2020

General Manager (CSR)
Mahanadi Coalfields Limited
P.O. Jagriti Vihar, Burla
Dist- Sambalpur (Odisha)

Dy. Director & Head
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3-3179, Sec-A, Zone-B
M.I.E., Bhubaneswar-751011
M.I.E., Bhubaneswar-751011
Email: mcl@cip

- g) The progress of the project and proper implementation may be inspected by MCL CSR team in the form of visits.
- h) To ensure proper brand image and visibility of MCL, CIPET: CSTS, BBSR shall provide display boards highlighting the project details and shall also put MCL logo in uniforms, books, bags, tool kit etc.
- i) Regular photographs/ videography covering project execution activities shall be submitted in soft format by CIPET:CSTS, BBSR to MCL.

9. Amendment


- a) Any Amendment to this Agreement shall be valid and binding on the Parties only if it is made in writing and signed by duly authorized representatives of each Party. The amendment shall be documented and allotted a distinctive number as per the format
<Amendment No>; <Date>.
- b) In the event of termination of the Agreement, CIPET: CSTS, BBSR shall forthwith transfer back the unutilized funds to MCL.

10. Term of Agreement

- (a) This Agreement shall come into force from the date of signing and remain valid for a period of one year unless terminated earlier by the Parties. The term of Agreement has been kept one year to facilitate the Parties in complying with various obligations and compliances under the Agreement e.g. selection of candidates, imparting training, submission of final UC by CIPET:CSTS, BBSR, release of final installment by MCL, and submission of comprehensive project completion-cum-evaluation report by CIPET:CSTS,BBSR etc.
- (b) The Agreement may be extended for such further period as may be agreed to by the Parties. Any such extension shall be documented as an Amendment to the Memorandum of Agreement as per clause (9).

11. Force Majeure:

Each of the Parties hereto shall be excused from the performance of its obligation by Force Majeure and such excuse shall continue as long as the condition constituting such Force Majeure continues. The Party claiming force majeure shall inform the other Party about the condition within 72 hours of the occurrence leading to force majeure. "Force Majeure" includes causes beyond the control of any Party, including without limitation, acts of God, acts, regulations or laws of any government, war, civil commotion,


17/11/2020 General Manager (CSR)
Mahanadi Coalfields Limited
P.O. Jagriti Vihar, Burla
Dist- Sambalpur (Odisha)

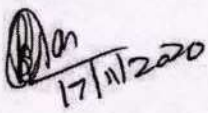
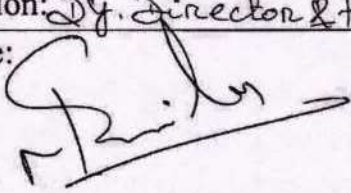
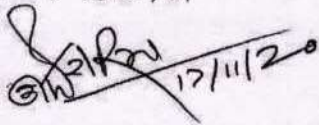


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destruction of office facilities or materials by fire, earthquake, flood or storm, terrorism, epidemics and failure of public utilities directly affecting the performance of the Project.

12. Settlement of Dispute:

- Any dispute or difference between the Parties out of or in connection with this Agreement including the validity thereof shall at first instance be resolved amicably through negotiations or discussions between the Parties.
- If the dispute remains unresolved, then the same shall be taken up by the Heads of both the parties and their duly authorized representatives; who shall strive to resolve the dispute amicably.
- The courts in Sambalpur shall have exclusive jurisdiction over any matter arising out of this Agreement.

IN WITNESS WHEREOF, the Parties hereto have signed Agreement in their respective names of the Date and Place first herein above mentioned:

For and on behalf of MCL	For and on behalf of CIPET:CSTS,BBSR
Name: B. SAIRAM	Name: M.S. Niharika Parida
Designation: GM(CSR)	Designation: Dy. Director & Head
Signature: 	Signature: 
Stamp: General Manager (CSR) Mahanadi Coalfields Limited P.O. Jagriti Vihar, Burla Dist- Sambalpur (Odisha)	Stamp: Dy. Director & Head CIPET : CSTS, Govt. of India S-3/79, Sec-A, Zone-B M.I.E., Bhubaneswar-751010 Ph-0674-2588392, Email: mcl@cipet.gov.in
Date: 17-11-2020	Date: 17.11.2020
Witness	
Name: S. L. TORIYA	Name: Jayanta Kumar Das
Signature: 	Signature: 
Date: 17.11.20	Date: 17.11.2020

ମହାନଦୀ କୋଲଫିଲ୍ଡସ୍ ଲିମିଟେଡ୍
Mahanadi Coalfields Limited
(A subsidiary of Coal India Limited)

Office of the GM (CSR)
Mahanadi Coalfields Limited
At/Po: Jagruti Vihar, Burla
Dist. Sambalpur (Odisha) 768020



MCL

No. MCL/GM/CSR/2020-21/446

Dated: 20-09-2020

To,
Dy. Director & Head
CSTS CIPET
S-3/79, Sector-A, Zone-B,
Mancheswar Industrial Estate,
Bhubaneswar – 751010 (Odisha)

Sub: Approval of project proposal “Handyman”, a multi-skill development programme for youth as a CSR initiative of MCL

Dear Sir,

We are pleased to inform you that the project proposal of ‘Handyman skill development’ has been approved by the Competent Authority of MCL as a CSR initiative. The approved project cost is Rs. 41,44,606/-. Project entails imparting 6-months residential handyman (multi-skill) training at CIPET Centre Bhubaneswar to 24 rural youth selected from MCL command areas. The training module will cover electrical, welding, plumbing and agricultural tools. Post-training, toll kit will be given to each candidate. The write-up, estimate and other relevant documents are enclosed herewith which are being sent in soft form as well.

Funding will be made in two instalments:

1. 80% of the project cost to be released with sanction order (i.e. before commencement of the training program)
2. 20% after completion of training and placement of minimum 70% candidates (if the candidates opt for placement)

To take the matter forward, following actions are required:

1. An MoU is to be executed between MCL and CIPET Bhubaneswar. You are requested to draft an MoU which is in line with PSUs including Coal India Limited, and send to MCL where it will undergo scrutiny/modification, legal vetting and competent approval. Final draft MoU will be signed by both the parties after your consent.
2. Selection of candidates: We are contemplating candidates from Basundhara coalfields in Sundargarh district. A framework devised at your end may be communicated to us so that joint arrangements can be made for selection of candidates.
3. You are required to submit filled up ‘E-mandate’ form containing details of bank account for crediting the payments. This procedure is as per the payment terms of MCL. For this, you are requested to send following documents in original:
 - a) Enclosed e-mandate form should be filled in all respects with counter signature of the concerned Bank.
 - b) A cancelled cheque of the concerned bank account with authorized signature (Original).
 - c) Self-attested copy of Pass book page showing account details
 - d) Self-attested copy of PAN (Mandatory) with counter signature.

→

ମହାନାଦୀ କୋଲଫିଲ୍ଡ୍‌ସ୍ ଲିମିଟେଡ୍
महानदी कोलफील्ड्स लिमिटेड
Mahanadi Coalfields Limited
(A subsidiary of Coal India Limited)

Office of the GM (CSR)
Mahanadi Coalfields Limited
At/Po: Jagruti Vihar, Burla
Dist. Sambalpur (Odisha) 768020



MCL

4. Few points requiring attention while filling the e-mandate form are as under:
- Filled up form is to be sent in original (not photocopy).
 - It should bear round seal of the Banker.
 - Name of the Party should be the same as is appearing in the Bank passbook and the cancelled cheque. In case it is not same, an affidavit is to be submitted stating that both the names are of same party.
 - There should not be any cutting or overwriting or spelling mistake at any place.
 - IFSC code, Branch code (Note: branch code is generally last six digits of IFSC code) and Account number should be the same as is appearing in the cancelled cheque.
 - The party should put its signature at appropriate place along with seal. The seal put on the form should be the same as the name printed on cheque.
 - Writing should be clear and legible.
 - The cancelled cheque should bear the signature and seal of the party.
 - Name appearing in the PAN card should be the same as in the mandate form. In case of any spelling difference, an affidavit has to be submitted clarifying that the PAN holder is the same party whose name is appearing in the mandate form.

This has got the financial noting for Rs.33.16 Lakh for FY 2020-21, vide ref BE 20-21/Addl. Fund 20-21/CSR/AAP/HQ/105 dtd.04.09.2020 and financial concurrence vide no. FC/MCL/SBP/20-21/CSR/S-119/CSR/Addl. Fund /AAP/ HQ dt. 07.09.20; Rs. 33,15,865/-.

20/9/2020

General Manager (CSR)

Copy: -

- General Manager, Basundhara Area
- Sri Rohit Singh, Astt Manager (CD/CSR)/ Project Incharge
- Case file/
- Office copy

Genesis of the project:

Ministry of Coal called a meeting under the Chairmanship of Additional Secretary (Coal), on 16-05-2019 to review the progress of Skill Development works in coal companies. In the meeting, the Additional Secretary (Coal) gave impetus to include Skill Development in the CSR efforts. Contents of Minutes of the meeting relevant to the subject proposal are quoted as under:

"With a view to create self employment opportunities for youth as "Handyman", a multitasking module of training was proposed in which a person is trained in several skills required at local level such as electrician, plumber, motor/pump repair, basic home appliances repair & maintenance, mobile repair etc. A team of two or three such "Handyman" can easily sustain themselves in local area of about 15-20 Sq. Kms.

The training material should include start-up kits so that the trained youth can straight away begin practicing the skills acquired."

All the subsidiaries were instructed to take necessary actions for implementation of the "Handyman" project.

Ideation:

MCL initiated the action process by searching and looking for various specialised agencies who are specialists in imparting skill development trainings. CSR department conceptualised the 'Handyman' idea and prepared an elementary Conceptual plan. The idea was that the rural unemployed youth of peripheral villages should be imparted self-employment oriented multi-skill training by an established training facility. Each individual should be trained in several skills unlike the traditional training programs which are confined to imparting training in a single trade. The trades selected for the purpose should meet the local requirements. To this objective, we decided to include the trades of Electrical, Mechanical, Welding and Agriculture equipments. Repair of home appliances and mobiles was kept excluded from the purview for two reasons, firstly because we wanted the youth to be trained on hardware skill rather than soft skills which are available in plenty, and secondly because the trades selected in the combo are inter dependent, inter related and almost collectively exhaustive. The trained youth will be provided with tool kit. CSR deptt prepared a Concept Note-cum-Approach Paper for 'Handyman' project.

Brief of Handyman Concept Note:

Our mining projects are located in the rural areas of Angul, Jharsuguda and Sundargarh districts. There is a large population of displaced, to-be-displaced, and project effected communities residing in different locations surrounding the 'Areas'. MCL is in regular interaction with these communities for land acquisition, resettlement & rehabilitation and for acquiring Forest land.

The community has highest level of expectations from MCL on various fronts. While many get regular employment, there are some who doesn't fall within the scope of eligibility. They don't get regular employment, although they too are compensated as per the rules.

Against this background, MCL is contemplating to train and equip rural youth from among the surrounding settlements for skill based self-employment/ livelihood program. The concept runs as under-

'Handyman':

Unemployed youth (24 nos.) will be selected from different Areas. They will be imparted multi-skill training in electrical, welding, plumbing and repair-maintenance of agricultural tools to emerge as a 'Handyman' (i.e. the one who comes *handy* in providing multi-skilled services). Once trained, they will be given tool kit so that they can straight away begin practicing the skills acquired. Then they will start their own micro-entrepreneurship by providing repair-maintenance (R&M) services by remaining in their home villages. Their home will be the call centre from where they will attend the calls and proceed to attend the call of duty. Agricultural tools have been added with a specific motive. They should be imparted the basic skills of repair and maintenance of domestic/agricultural pumps, submersible pumps, agricultural tools, tractor driven equipments like tillage, plough, cultivation and sowing equipments.

So, the concept intends to impart **'Handyman' (Multi skill) training** to rural youth with the objective that the trained youth will start their own micro-business to earn a sustainable livelihood. The catchment area for each Handyman will be the rural and semi-urban settlements surrounding his residence. They have the option to go to farther place also as per their choice.

Search for training agency:

From the above perspective, intervention of the training agency will be on following lines:

1. Designing tailor made 'Handyman' training module covering Electrical, Welding, Plumbing and Agricultural tools, keeping in mind the typical requirements that usually arise in rural settlements. It is to be kept in mind that the settlements being referred are, for obvious reasons of the presence of MCL and other industries, are progressive and gradually converting into semi-urban settlements and their socio-economic condition is on the rise.
2. Submitting the Project report covering following:
 - a) Training module with financial break-up of training
 - b) Estimate break-up of tool kit with list of tools
 - c) Estimate break-up of three wheeler with equipments

A number of Organizations/ Institutes were contacted and then based on the response, the Idea alongwith the Concept note-cum Approach paper was shared with two skill training agencies who agreed to propose a training module as per the requirement put forward by MCL. These two institutes were NIAM Odisha and CIPET (Central Institute of Plastic Engineering) Bhubaneswar.

NIAM visited MCL office and discussed the matter. During discussion, we could sense that NIAM was not having the required wherewithal and resources to conduct such project. They told to submit the proposal. However no proposal has been submitted by them.

CIPET Bhubaneswar visited MCL office and discussed the matter. Based on the discussion held, they first submitted a draft proposal and made a presentation. As suggested by CSR deptt, CIPET submitted a detailed proposal named- 'Proposal for Multi Skill training program "Handyman"'. It was found that the proposal by CIPET was more authentic and suited to the requirement of MCL.

About CIPET:

CIPET is an Institution established under the Ministry of Chemical & Fertilizers, Govt of India. CIPET has its training centres at 36 locations all over India including the one at Bhubaneswar. At Bhubaneswar, they have two centres:

1. CIPET IPT at Patia: Established in 1986. It offers B Tech and M Tech courses
2. CIPET CSTS Mancheswar: The erstwhile Master Craftsman Training Institute of Govt of Odisha was taken over by CIPET in 2005 through an MoU. Since then, CIPET has developed this campus with extended facilities and manpower and introduced new courses. the training/courses imparted in this campus are as under:
 - a) ITI
 - b) Diploma in Plastic Technology
 - c) Specialized job oriented skill development training programs
 - d) National Skill Qualification Framework (NSQF) module

The skill development programmes conducted at CIPET centres are National Skills Qualifications Framework (NSQF) aligned and approved by National Skills Qualifications Committee (NSQC).

CIPET's work experience with CPSE/ Govt (last three years)

Sl. No.	Name of the Organization	Description	Financial Year
1	Coal India	Skill Development Training Programme	2018-19
2	NSPCL, Bhilai	Skill Development Training programme for Enhancing Employability among youth of nearby areas of Durg Division, Chhattisgarh under CSR	2019-20
3	NSPCL, Rourkela	Skill Development Training programme for economically weaker section youths of nearby /Surrounding area of NSPCL Rourkela under CSR	2019-20
4	SAIL, BSP Bhilai	Skill Development Training Programme for enhancing employment among youth of nearby areas of Durg	2019-20
5	ONGC, Kolkata	Job Oriented Technical Skill Development Programme on Plastic Processing and Manufacturing	2018-19
6	Odisha State Beverages Corpn Limited	Financial assistance for skill development training (SDT) programme for social economically poor candidates of Odisha	2018-19
7	OSDA, Govt. of Odisha	Placement Linked Training Programme	2018-19
8	HAL, Koraput	Skill Development Training in ITI (Welding)	2017-18
9	SAIL, Bhilai	Skill development Training Programme	2019-20
10	DMF, Angul	Skill Development Training Programme	2017-18
11	DMF, Keonjhar	Provision for Skill Development training	2017-18
12	NTPC, Darlipali	Technical Skill Development Training Programme	2016-17
13	IOCL, Paradip	Sponsorship for technical skill development Training Programme	2018-19

Project cost:

The estimate submitted by CIPET was scrutinized and it was decided to take up the following variant of Training Programme:

Intake		24 nos
A	Training Cost of 6-months training for 24 candidates	23,05,920
B	Cost of 'Toolkit' & other equipment for 24 candidates. Cost includes Escalation @5% and Administration charges @10%.	12,06,458
C	Total cost for 24 candidates (=A+B)	35,12,378
D	GST @18% (=C*1.18)	6,32,228
Total cost of the Project (=C+D)		41,44,606

Modalities of payment:

- 80% of the project cost to be released with sanction order (i.e. before commencement of the training program).
- 20% after completion of training and placement of minimum 70% candidate.

In this regard, it is to mention that although the project is conceptualized as trained youth starting his micro-entrepreneurship by remaining in his home, if any candidate wants to avail placement facility, CIPET guarantees placement for 70% candidates.

Selection of Candidates:

- It will be done jointly by CIPET and MCL on the basis of eligibility criteria as per guidelines of CIPET. The figure of 24 nos was based on the premise that 2 candidates will be selected from each Area. However, Basundhara and Mahalakshmi Areas are showing keen interest in this project. We may go for all candidates from these two areas. Final decision will be taken once the proposal is approved and the circumstances prevailing/priorities on offer at that point of time are assessed.
- Minimum qualification of trainees will be 10th pass above.
- Age limit of trainees will be 18 to 32 years.
- It will be a residential training programme

CSR Admissibility: The project intends to impart 'Handyman' (Multi skill) training to rural youth with the objective that the trained youth will start their own micro-business to earn a sustainable livelihood. **Livelihood enhancement projects (Clause no-II).**

Beneficiary of the Project: 24 youths from mining command areas

Project 'Handyman'

Project ideation: 'Handyman' is the one who comes *handy* in providing multi-skilled services. The idea is that rural unemployed youth should be imparted self-employment oriented multi-skill training by an established training facility. Each individual should be trained in several skills unlike the traditional training programs which are confined to imparting training in a single trade. The trades selected for the purpose should meet the local requirements. To this objective, trades of Electrical, Mechanical, Welding and Agriculture equipment have been included. The trained youth will be provided with tool kit. Each candidate will be given a tool kit worth Rs. 40,336/- on completion of training. Once trained, they will start their own micro-entrepreneurship by providing repair-maintenance (R&M) services by remaining in their home villages. Their home will be the call centre from where they will attend the calls for which a Mobile app will be developed.

Agricultural tools have been added with a specific motive. Thanks to the enhanced credit facilities, farmers are progressively adopting technology intervention and mechanical implements in their farming framework. With growing numbers of sellers & buyers, market of agricultural tools/ equipment is expanding. But the same is not true when it comes to repair-maintenance service. In 'Handyman' project, the candidate will be imparted basic skills of repair and maintenance of domestic/agricultural pumps, submersible pumps, agricultural tools, tractor driven equipment like tillage, plough, cultivation and sowing equipment. With them taking the position, a farmer need not go for a long haul to the dealer/ showroom located far away. 'Handyman' will be his R&M service provider available at his doorstep.

An underlying principle of the project is that the youth will start earning by remaining in his village. He is having parents and siblings to look after, agriculture land to work, and livestock to take care. Add to this, there is a socio- cultural bonding with the community. All these factors stop him to move away from the village. *Handyman* concept takes in to account all these factors. The project envisages selection of trained youth in a distributive manner across the entire rural areas such that each candidate has a span of command around his home where he can render the services and intrusion of operational area is avoided.

So, the concept intends to impart '**Handyman' (Multi skill) training** to rural youth with the objective that the trained youth will start their own micro-business to earn a sustainable livelihood. The catchment area for each Handyman will be the rural and semi-urban settlements surrounding his residence. They have the option to go to farther place also as per their choice.

Executing Agency: CIPET (under Ministry of Chemical & Fertiliser, GoI). 6-months residential training. CIPET to take care of boarding, food, uniform etc. Criteria 10th pass. Selection will be done by CIPET. Course curriculum designed/ tailor made by CIPET Bhubaneswar in consultation with Agri-University. Candidates will be trained at CIPET Bhubaneswar where it runs an ITI and a Polytechnic. CIPET has tied up with Odisha University of Agricultural & Technology to impart training on Agri tools.

Cost estimate:

Rs.41, 44,606 for 24 candidates @ Rs. 1,72,692/- per candidate

New Estimate Tool kit

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"Tool Kit" for Multi Skill Training Programme "Handyman"			
Sl. No.	Description of Cost	Quantity	Price
1	Angle Grinder 4"(Bosch)	1	
2	Hand Drill Machine(Both Normal And Hammering-Bosch) 10 MM	1	
3	Single Phase Welding Machine(Great Yuva)	1	
4	Bench Vice 4" NETCO MAKE	1	
5	Welding Helmet	1	
6	Hand Screen,	1	
7	Welding Goggle	1	
8	Hand Gloves	1	
9	Chipping Hammer	1	
10	Pipe Wrench 24" TAPARIA 1276	1	
11	Pipe Wrench 18" TAPARIA 1275	1	
12	Sly Wrench 12" TAPARIA 1173-12	1	
13	Pipe Threading Ratchet Handle Dia Set (1/2", 3/4" 1" Netco	1	
14	Flat File 12" Rough TAPARIA	1	
15	Flat File 12" Smooth TAPARIA	1	
16	Sprit Level 12"MAGNETIC TAPARIA P.NO. SLM 1012	1	
17	Chisel Octagonal 150x16-102 TAPARIA	1	
18	Chisel Flat 6"- 1046 Teparia	1	
19	Steel Rule 12"	1	
20	Steel Tape 5 Mtr FREEMANS	1	
21	Ballpain Hammer 800 GRAM TAPARIA	1	
22	Ballpain Hammer 500 GRAM TAPARIA	1	
23	Center Punch	1	
24	Try Square 12" Vacado	1	
25	Monkey Plaier TAPARIA 1225	1	
26	Combination Plaier (Heavy Duty) 8" TAPARIA 1621-8	1	
27	Nose Plaier TAPARIA 1430-6	1	
28	Neon Tester TAPAIA 813	1	
29	Phillips Type Screw Driver 12" P6-862-300 TAPARIA	1	
30	Ring Spanner TAPARIA 1812	1	
31	D' Spanner TAPARIA DEP-12	1	
32	Drill Bit Set 1-10 Mm Set Of 9 Pcs. Addison Make	1	
33	TOOL KIT METAL BOX(All In One 108 Pcs, Bosch)	1	
34	24/27 Box Spannel	1	
35	Side Cutting Pliers 150 Mm Taparla 1621-6	1	
36	Flat Nose Plier 150 Mm, Taparla 1421-6	1	
37	Electrician Screw Driver 250 Mm Taparla - 903-	1	
38	Electrician Screw Driver 100 Mm Taparla -805	1	
39	Knife Taparla - Sk-1	1	
40	Hammer Cross Pin 200 Gram With Handle Netco Make	1	
Total Tool Kit Cost		40	34,923.00
Add : Escalation cost @ 5% of above			1,746.15
Total Cost :			36,669.15
Add : Administrative cost @ 10% of above			3,666.92
Grand Total Cost :			40,336.07

"Other Equipment" For Multi Skill Training Programme "Handyman"				
Sl.No.	Description of Cost	Qty	Price	Justification
1	Small Grinding	1	3,000.00	Tool Kit Items of Handyman can be sharpened regularly Further it is also a part of toolkits. This type of grinding machine is best suitable for small and regular type of job work.
2	Mobile	1	5,000.00	Mobile is to provide uninterrupted flow of service at door step. Even remote area people can communicate for assistance through mobile to resolve the issues at the earliest. Such communication will help Handyman to develop his business expansion and continuous job orders.
3	Uniform	1	600.00	Uniforms ensure Protection against work hazards. This not only prevents from cross contamination but also physically protects from harm. Moreover this uniform will always be identified as Handyman & makes Handyman differentiate from others.
Total Tool Kit Cost		3	8,600.00	
Add : Escalation cost @ 5% of above			430.00	
Total Cost :			9,030.00	
Add : Administrative cost @ 10% of above			903.00	
Grand Total Cost :			9,933.00	

Tool kit : Rs 40,336/-

Other items : Rs 9,933/-

Total : Rs 50,269/- x 24 = Rs 12,064,56/-

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Annexure – III (C)

**Total Financial Support requested for the project
Multi skills Training Program "Handyman" (2019-20)**

Name of the Trades		: Multi Skilling Training Programme "Handyman"
Intake Capacity of Candidates		: 24 Nos.
A	Total Training Cost for 24 Nos. of trainees for 6 months	: Rs. 23,05,920.00
B	Total cost of "Toolkit" & "Other Equipments" 24 Nos. of trainees along with Escalation charges and Administrative charges for 6 months	: Rs.12,06,458.00
C A+B=C	Grand Total Cost for 24 Nos. of trainees	: Rs.35,12,378.00

* Statutory Taxes extra as applicable.

Payment Terms& Conditions:

- 80% Advance along with the Sanction Order.
- 20% after Submission of Utilization of the 80% advance

Authorized Signatory

Skill makes you sufficient but Handyman makes you efficient..!!

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Annexure – III (B)

**Financial Support requested for Equipments, "Toolkit" & "Other Equipments"
For Multi skills Training Program "Handyman" (2019-20)**

Name of the Trades		:	Multi Skilling Training Programme "Handyman"
Intake Capacity of Candidates		:	24 Nos.
B-I	"Toolkit" & "Other Equipments" cost for 24 nos. of trainees @ Rs.43,523/- per trainee	:	Rs. 10,44,552.00
B-II	Add : Escalation cost @ 5%		Rs.52,228.00
			Rs.10,96,780.00
B-III	Add : Administrative Charges @ 10%	:	Rs. 1,09,678.00
B	Total Cost (B) : (B-I & B-II & B-III)		Rs. 12,06,458.00

* Statutory Taxes extra as applicable.

Authorized Signatory

Cost break up

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**Financial Support requested for Multi Skilling Training Programme
"Handyman" (2019-20)**

Name of the Trade		:	Multi Skilling Training Programme "Handyman"
Intake Capacity of Candidates		:	24 Nos.
Duration of the Training Programme		:	06 Months
A-I	Total Training Cost for 24 Nos. of trainees for 6 months @ (Rs.49,080/- X 24 Nos.)	:	Rs. 11,77,920.00
A-II	Lodging & Boarding Expenditure for 24 Nos. of trainees for 6 months @ (Rs.45, 000/- X 24 Nos.)	:	Rs. 10,80,000.00
A-III	Uniform (2 Pairs), Shoes & Training Kit cost per candidate	:	Rs. 48,000.00
A (A-I+A-II+A-III)	Total Training Cost for 24 Nos. of trainees for 6 months @ (Rs.96, 080/- X 24 Nos.)*	:	Rs. 23,05,920.00

* Statutory Taxes extra as applicable.

N.B:

- Training cost, Lodging & Boarding Expenditure & Assessment as per common norms (i.e. Training Cost Rs. 40.40 per hour for 1200Hrs., Lodging & Boarding Expenditure Rs.250 per day & Assessment Rs.600 per trainee)
- Training cost includes Course Fee, Course Materials, Uniform (02 pairs - Shirts & Pants), Shoes & Socks (01 pair) & Identity Card.
- All the programs are residential and shared accommodation will be provided.

Authorized Signatory

Skill makes you sufficient but Handyman makes you efficient..!!

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'Total cost analysis of "Handyman project"'

Name of Trade		Multi Skill Training Programme "Handyman"
Intake capacity of Candidates		24 Nos.
A	Total training Cost for 24 Nos. of trainees for 6 months	Rs. 23,05,920.00
B	Total cost of 'Toolkit' & 'other equipments' 24 Nos. of trainees along with Escalation charges and Administrative charges for 6 months	Rs. 12,06,458.00
C A+B=C	Grand Total Cost for 24 Nos. of trainees	Rs. 35,12,378.00
GST @18%		Rs. 6,32,228.00
Total cost of the project		Rs. 41,44,606.00

Rs 148

Refer Pg. 168

Shahid

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/INTERNET BANKING PAYMENT RTGS TRANSFER

To
The Mahanadi Coalfield limited,
Jagruti Vihar,
Burla, Sambalpur-768020

Dear Sir,

Sub: Authorization for release of payment due from Mahanadi Coalfield Ltd.,
Burla through Electronic Fund Transfer/Internet NEFT/RTGS Transfer

(Please fill in the information in CAPITAL LETTERS, Please TICK wherever it is applicable)

Party Details	
Name of the Party	
Address of the Party	
	E-Mail Id-
	Pan no-

Particulars of Bank											
Name & Style as of Bank A/C											
Bank Name						Branch Name					
Pin Code						Branch Code					
IFSC Code											
Account Type	Saving			Current			Case Credit				
Account Number (as appearing in the Cheque Book)											
IFSC Code appearing on the cheque supplied by the bank to be mentioned. Attach Cancelled cheque or Xerox copy of cheque or Xerox Copy of front page of pass book containing details of A/c and bank for ensuring accuracy of bank name, branch name and code number.											

I, hereby declare that the particulars given above are correct and complete, if any transaction is delayed or not effected for reasons of incomplete or incorrect information, I shall not hold Mahanadi Coalfields Ltd responsible. I also undertake to advise any change in the particulars of my account to facilitate updation of records for purpose of credit of amount through SBI-Net/RTGS Transfer.

Place:

Date:

Signature of the Party/Authorised

Signatory

Certified that particulars furnished above are correct as per our records

Date: _____

Signature of the Authorised official from the Bank
Banker's Seal

ମହାନଦୀ କୋଲ୍‌ଫିଲ୍ଡ୍‌ସ୍‌ ଲିମିଟେଡ୍
Mahanadi Coalfields Limited
(A subsidiary of Coal India Limited)

Office Of The General Manager
Basundhara Area
AT/PO:-Basundhara-770076
Dist:-Sundargarh (Orissa)
Tel No: 06621-286133(O),
FAX: 06621-286144



MCL

Ref. No. MCL/GM/BA/Pers/ 687

Dated. 10/05/2019

// OFFICE ORDER //

As decided by the Mangement of Basundhara Area, for effective operation following will be incharge of **SAMADHAN KENDRA**, Basundhara Area for the Day as noted against their name:-

Monday:-	Sri Sanjay Ku Singh, SO(Civil),BA
Tuesday:-	Sri A.K.Sinha, SO(L&M),BA
Wednesday:-	Sri A.K.Shrivastava,APM,BA
Thursday:-	Sri P.K.Sinha, CM(Min), CC,BA
Friday:-	Sri A.K.Nayak, SO(Min), BA
Saturday:-	Sri Raji Jashua,SO(Envl.)

The above staff officer will attend the **SAMADHAN KENDRA** from 11.00 A.M to 1.00 P.M on respective day & will hear/record are grievances of employee/public & forwarded the same to the concerned department for redressing.

This order will come in to force w.e.f. 13/05/2019.

This issues with the approval of General Manager, Basundhara Area.

[Signature]
Area Personnel Manager
Basundhara Area

Copy to:

1. General Manager, Basundhara Area.
2. All Executive concerned,BA.
3. Project Officer,B,(W)OCP/KOCP/GOCP.
4. Secretary/President,OCM,BMS,HMS,AITUC, BA.
5. All Notice Borad,BA/B(W)OCP/KOCP/GOCP.
6. Office copy.

Lease History

MCL had acquired 19842.26 Acres (8030.05 Ha.) of Land in 15 villages including Gopalpur situated within Hemgir Tahasil in the district of Sundargarh, Odisha, during the year 1984 to 1993 for Basundhara – Garjanbahal Area. The details of Notifications and the quantum of land acquired in different villages is as follows:

Details of land acquired:***IB BLOCK -VIII (Gopalpur Block)***

Details of Notifications	Name of village	Acquired Area in Acres
Sec.4(1) Vide SO No.4044 Dtd.13.11.84 Sec.7(1) Vide SO No.535 Dtd.27.05.87 Sec.9(1) Vide SO No.1869 Dtd.10.07.1989 Sec.11(1) Vide SO No.2593 Dtd.13.09.1990	Sardega	860.18
	Gopalpur (P)	3060.22
	Jhupuranga	1862.78
	Ratansara	1849.75
	Total	7632.93

Details of land acquired:***IB BLOCK- XI (Gopalpur Extension)***

Details of Notifications	Name of villages	Acquired Area in Acres.
Sec.4(1) Vide SO No.2002 Dtd.24-7-1987 Sec.7(1) Vide SO No.798 Dtd. 25-9-1989 Sec.9(1) Vide SO No.3055 Dtd. 29-10-1990 Sec.11(1) Vide SO No.43015 Dtd.30-3-1993	Tikilipara	1743.85
	Siarmal	862.34
	Gopalpur (P)	140.67
	Tumulia	2381.32
	Karlikachhar	511.94

	Kulda	542.82
	Bankibahal	836.33
	Balinga	1234.64
	Garjanbahal	798.35
	Bangurkela	1055.96
	Kiripsira	1681.11
	Lalma	420.00
	Total	12209.33

STATUS OF LAND ACQUISITION OF B.G. AREA									
IB BLOCK - VIII UNDER B.G. AREA									
S.O.No.	SECTION	DATE/YEAR	SI No	Village	Notified land in Ac.				
					Forest	GNF	Tenancy	Total	Acquired
4044	4 (1)	13.11.1984	1	Sardega	328.77	240.51	290.90	860.18	Full
			2	Gopalpur (p)	382.41	1549.84	1127.97	3060.22	Part
			3	Ratansara	472.25	370.33	1007.17	1849.75	Full
			4	Jhupurunga	133.97	344.71	1384.10	1862.78	Full
				Sub Total	1317.40	2505.39	3810.14	7632.93	3089.00 Ha.
535 (E)	7 (1)	27.05.1987		As above	As above				
1869	9 (1)	10.07.1989							
2592	11 (1)	13.09.1990							
	12&17(1)	22.09.2003		Gopalpur					
	12&17(1)	18.10.2003		Sardega					
IB BLOCK - XI UNDER B.G. AREA									
S.O.No.	SECTION	DATE/YEAR	SI No	Village	Forest	GNF	Tenancy	Total	Acquired
2002	4 (1)	24.07.1987	1	Tikilipara	1056.87	204.83	482.15	1743.85	Full
			2	Siarmal	423.45	198.02	240.87	862.34	Full
			3	Gopalpur (p)		125.59	15.08	140.67	Full
			4	Tumulia	312.58	436.62	1632.12	2381.32	Full
			5	Karlikachar	102.41	90.65	318.88	511.94	Full
			6	Kulda	149.01	162.15	231.66	542.82	Full
			7	Bankibahal	435.93	159.19	241.21	836.33	Full
			8	Balinga	236.18	451.25	547.21	1234.64	Full
			9	Garjanbahal	135.92	255.55	406.88	798.35	Full
			10	Bangurkela	279.29	246.01	530.66	1055.96	Full
			11	Kiripsira	505.91	395.73	779.47	1681.11	Full
			12	Lalma RF	420	0	0	420	Full
				Sub Total	4057.55	2725.59	5426.19	12209.3	
798 (E)	7 (1)	26.09.1989		As above	As above				
3055	9 (1)	29.10.1990							
43015	11 (1)	30.03.1993							
	12&17(1)	28.02.1997							
TOTAL IB BLOCK - VII & XI					In AC	5374.95	5230.98	9236.33	19842.26
					In HA	2175.212	2116.949	3737.892	8030.053

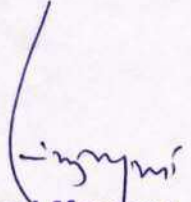


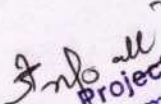
Annexure: IX

Undertaking

(Condition No. 17)

This is to certify that the forest area involved in the proposal is unavoidable and bare minimum, i.e., 349.709 ha as the project is site-specific as per coal block.


**General Manager
Mahalaxmi Area
Mahanadi Coal Fields Limited**
General Manager,
Mahalaxmi Area.



**Project Officer,
Siarmal OCP,
Mahalaxmi Area**

Annexure: **X**

Undertaking

(Condition No. 18)

We do hereby undertake "To pay the cost of maintenance of safety zone within the mining lease area of Siarmal OCP, Mahalaxmi Area."


General Manager
Mahalaxmi Area
Mahanadi Coal Fields Limited
General Manager,
Mahalaxmi Area.


Project Officer
Siarmal O.C.P.
Project Officer,
Siarmal OCP,
Mahalaxmi Area

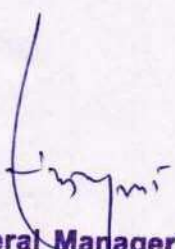


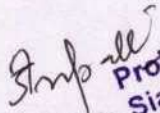
Annexure: XI

Undertaking

(Condition No. 19)

We do hereby undertake "To bear the cost of the Site-Specific Wild Life Conservation Plan if stipulated by the PCCF(WL) & CWLW, Odisha/ State Govt. in F&E Dept".


General Manager
Mahalaxmi Area
Mahanadi Coal Fields Limited
General Manager,
Mahalaxmi Area.


Project Officer,
Siarmal OCP,
Mahalaxmi Area