

मिसिल सं० FP/JH/MIN/17211/2015/1028

दिनांक 10-04-2023

सेवा में,

साइंटिस्ट "डी"

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,  
इंदिरा पर्यावरण भवन, अलीगंज,  
जोरबाग रोड, नई दिल्ली-110003

विषय: मेसर्स सी. सी. एल की आम्रपाली खुली खदान परियोजना फेज-II रकवा 431.59 हे० वन भूमि  
अपयोजन के प्रस्ताव (संख्या: FP/JH/MIN/17211/2015) के सम्बन्ध में वांछित स्थल निरीक्षण  
प्रतिवेदन प्रस्तुत करने बाबत।

सन्दर्भ: पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्र संख्या  
8-48/2008-एफ.सी (vol) दिनांक 05.07.2022

महोदय,

उपरोक्त विषयान्तर्गत श्रीमान् के संदर्भित पत्र के आलोक में परियोजना से संबंधित  
वांछित स्थल निरीक्षण एकीकृत क्षेत्रीय कार्यालय राँची द्वारा दिनांक 17 & 18.03.2023 को किया  
जाकर तैयार प्रतिवेदन को विभागाध्यक्ष के अनुमोदनोपरांत उनकी संस्तुति के साथ संलग्न प्रेषित  
किया जा रहा है।

संलग्न: यथा उक्त

भवदीय

10/4/2023

(शशि शंकर)

सहायक वन महानिरीक्षक  
एकीकृत क्षेत्रीय कार्यालय, राँची

**Site Inspection Report by Integrated Regional office (MoEFCC), Ranchi towards FC  
Proposal No. FP/JH/MIN/1721/2015.**

A proposal of 431.59 Ha forest area diversion towards Amrapali open cast (coal-mining) project has been applied by CCL (Central Coalfields Limited) in Chatra South Forest Division in Chatra District of Jharkhand.

While processing the proposal, ministry (MoEFCC) has requested IRO Ranchi to inspect the area under consideration of diversion and to submit a Site Inspection Report (SIR) as per the provisions of FC Rules. The SIR is expected to include assessment of the status of compliance of conditions stipulated in the approval dated 12.10.2010 granted for an area of 531.64 ha for the same project.

Accordingly, site inspection was done by AIGF of IRO Ranchi on 17 & 18<sup>th</sup> March 2023.

At the time of site inspection, the following officials were present: -

- ❖ Sri Saba Alam Ansari, DFO Chatra (South) Forest Division, Jharkhand SFD.
- ❖ Sri A.K. Singh, GM Amrapali OCP, CCL
- ❖ Sri P.K. Sinha, DGM Amrapali OCP, CCL

along with their team.

Amrapali OCP is comprised in a total lease area of 1298 Ha. It contains 963.23 Ha of Forest areas as well as 335.75 Ha of non-forest land. In this lease, a forest area of 531.64 Ha has already been diverted for Amrapali OCP to CCL vide ministry's final approval dated 12<sup>th</sup> Oct 2010. Mining is happening/ongoing in these diverted areas. Final Approval order mentions 22 conditions which user agency/SFD is expected to fulfil during the implementation phase. The complete compliance report was solicited from the project proponent which is attached herewith as Annexure-I. During the field visit it was found that the user agency and SFD have adhered to the stipulated conditions in considerable manner.

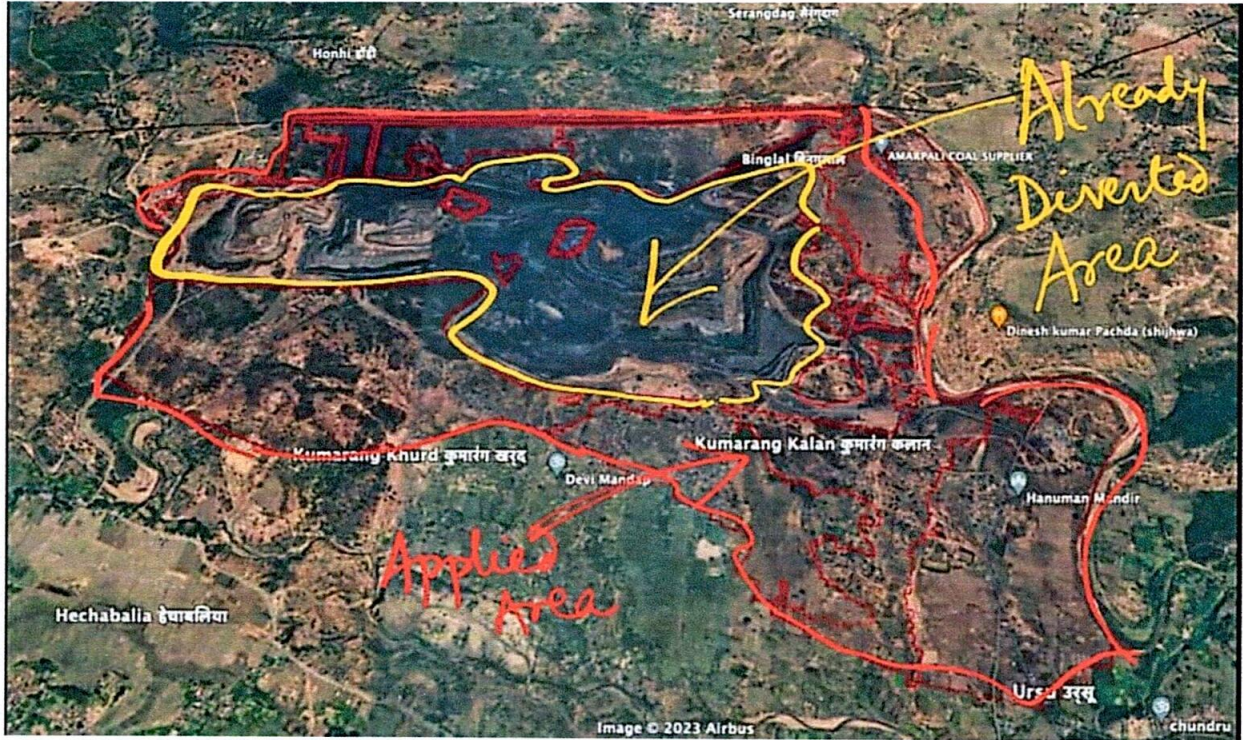
Further, the land under the extant application was visited. Applied forest land comprises of Protected Forests as well as GMJJ both. The synoptic of the entire land types involved in the lease are given in the following table:

<b>Land details in Amrapali OCP (all figures in Ha.)</b>					
	Protected/ Res.Forest	GMJJ	<b>Total Forest</b>	Non- Forest	Total Land
Total Lease Area	808.22	155.01	<b>963.23</b>	335.75	1298.98
Already Diverted Area	472.77	58.87	<b>531.64</b>	3.84	535.48
Applied Diversion (extant)	335.45	96.14	<b>431.59</b>	331.91	763.5

The extant proposal envisages horizontal expansion of the existing mining area, especially north & south wards.



The prevailing situation is depicted in the following illustrative satellite imagery: -



The proposed area was visited extensively during the site inspection visit along with State Forest department officials and user agency representatives. The proposed area is, at places, in contiguity to the already diverted area/active mining area but there exist clear demarcation between already diverted and proposed diversion areas. Such delineation has been done either through retaining wall or through fencing and maintaining a safety zone or both as shown in the photographs below: -



*Handwritten signature or mark in red ink.*

User agency was asked to explain the reasonability of maintaining safety zone at the boundary of active mining area and area which is under consideration of diversion. Representative of user agency apprised that the same is being done in compliance to the condition number 11 of the Final Approval order of the 531.64 Ha area. User agency was further asked to maintain such safety zones at the periphery of lease but within the lease to ensure their utility & perpetuity.

Further since such clear demarcation is in place, user agency has not violated the area proposed for mining. The forest area proposed for diversion is comprised of 335.45 Ha of Protected Forest & 96.14 Ha of GMJJ under administrative jurisdiction of State Forest Department and State Revenue Department respectively.

The forest area under consideration shows varying amount of vegetation density. Few blank patches were observed whereas few areas were found to support good vegetation index. An average of 0.5 Canopy density for the entire area was ocularly estimated State Forest Department Staff apprised that 21620 no. of trees are enumerated in the proposed area but considerable time has lapsed since the counting as counting was done in year 2016-17. The area was characterised by gregarious flowering of Palas trees.

Following photographs try to illustrate the vegetative cover in the proposed area:



Although no significant wildlife presence was felt during the visit, the DFO apprised that the area is frequently visited by elephant herds and hence need of a wildlife management plan which should be specific to the site should be in place from the project cost.

It was also informed that only site specific activities are being proposed in forest area and non-site specific activities like Overburden Dumping etc. are being planned in non-forest areas only.

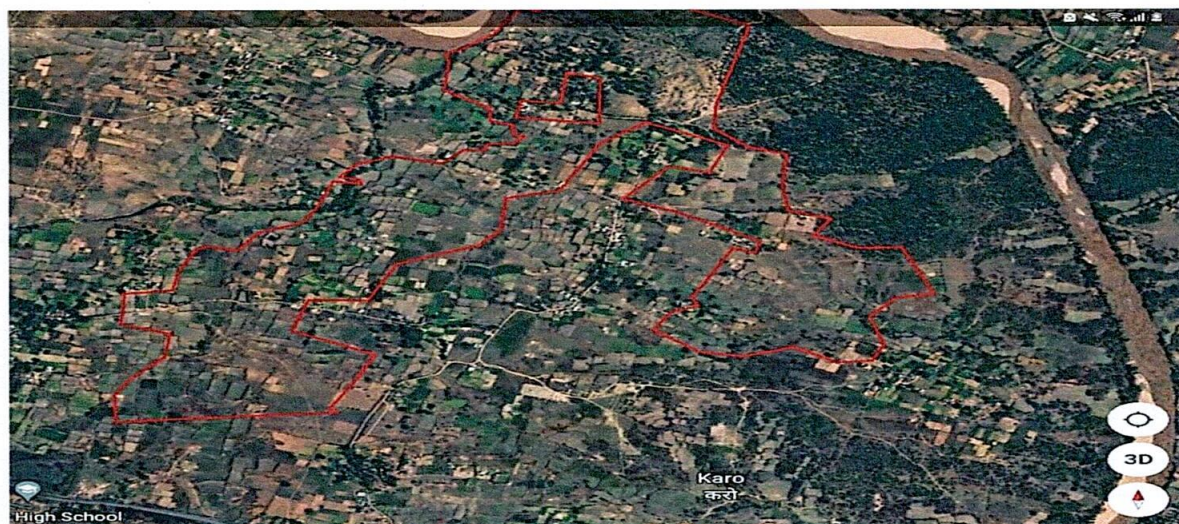
**The Compensatory Afforestation (CA) area proposed against the proposal:**

The total CA Land identified among the degraded forests against 431.59 Ha of forest land proposed for diversion, is 865 Ha. The entire CA DF land identified are from Chatra South Forest Division. The entire proposed CA land earlier comprised in 14 patches as listed in the following table: -

*[Handwritten signature]*

S.no	Area(ha.)	Name of PF/RF	Range
1	50.00	Mali PF	Lawalong
2	60.00	Katiya PF	Lawalong
3	60.00	Kanti PF	Lawalong
4	60.00	Parwani PF	Lawalong
5	55.00	Mahesha PF	Lawalong
6	50.00	Jojowari PF	Lawalong
7	50.00	Gulli PF	Chatra Range
8	48.00	Ulatu alias Simratanr PF	Tandwa
9	74.00	Jaspur PF	Lawalong
10	60.00	Mahuari PF	Lawalong
11	103	Ramtunda PF	Chatra Range
12	100	Dariyatu PF	Chatra Range
13	40.00	Gidhour PF	Chatra Range
14	55.00	Pitizi PF	Chatra Range
Total = 865 Ha.			

Out of this total 865 Ha of DFL identified for CA, as shown in the above table, few patches were not found suitable either because of higher vegetative density or apparent existence of encroachment. The DSS analysis of the proposed CA areas as done by the ministry, revealed 127 Ha of CA DFL unsuitable. Therefore, the inspecting team of IRO enquired about the alternate CA area proposed by DFO in place of the above unsuitable 127 Ha land. It was informed that 102 Ha DFL in Karo Village and 25 Ha DFL in Kurlonga village has been identified by the SFD for the purpose. Therefore, identified land in Karo was visited by the team. The area identified for proposed CA in Karo village was found highly infested with encroachment and hence was found not acceptable for taking up as CA. The following satellite imagery depicts the situation at Karo Village's identified CA land:



Hence, the DFO present was asked to find another suitable area and to inform the visiting IRO Team at the earliest.

Accordingly, DFO vide his letter dated 31.3.2023 (attached as Annexure-II) has provided the details of newly identified 102 Ha of CA Land in Village Jangi (50 Ha) and Changer (52 Ha) against Karo

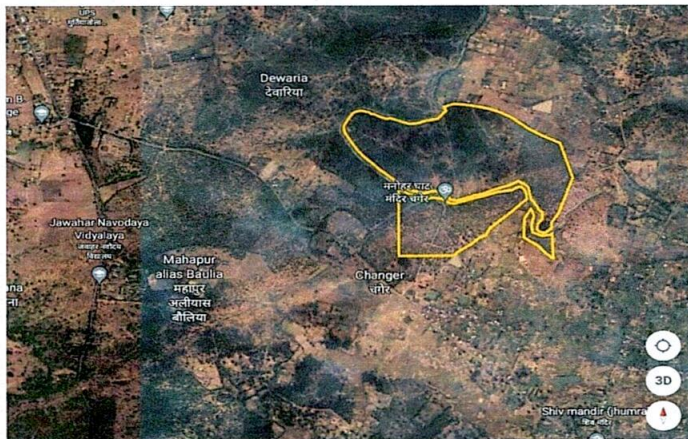
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Village (Area 102 Ha) along with its Suitability certificate, KML files, Topo sheet, DGPS MAP and CA Scheme which is being attached herewith as Annexure-I.

The revised 127 CA land which has been provided along with its Suitability certificate and CA Scheme are listed in the table below: -

S. No	Name of Range	Village Name	Plot number	Net Area (Ha)	Gross Area (Ha)
1	Tandwa	Kurlonga	402P	25.00	25.27
2	Chatra	Jangi	3872P, 3873P, 3874	50.00	59.99
3	Chatra	Changer	11P, 14, 15, 16, 17P	52.00	78.87
			<b>Total:-</b>	<b>127.00</b>	<b>164.13</b>

The satellite imagery of the newly proposed above CA land are shown below:-



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From the above imagery it is being seen that the areas are mostly devoid of any significant vegetation and are free from apparent encroachment hence can be considered suitable for compensatory afforestation as proposed by the concerned DFO in his site suitability certificate.

Therefore, considering the fact that user agency has been doing mining in the lease for a considerable period of time and the extant proposal is for horizontal expansion of the ongoing mining activities in the same lease the extant proposal may be appraised in light of site specificity of the reserve and corresponding need.

The Site Inspection Report is hereby being put for perusal and necessary action further please.



*Shashi Shankar*  
10/4/23

Shashi Shankar  
AIGF, IRO, Ranchi

The Site Inspection report as prepared by AIGF, IRO Ranchi has been perused, examined & approved by me and the same is being forwarded for consideration of this site specific FC proposal under the provisions of FC Act and Rules.

*Santosh Tewari*

Santosh Tewari  
10/4/23  
DDGF cum Head, IRO Ranchi

	<b>CENTRAL COALFIELDS LIMITED</b> (A Mini Ratna Company) <b>OFFICE OF THE PROJECT OFFICER</b> <b>AMRAPALI PROJECT, HONHE</b>	
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**Subject:-Pointwise compliance of conditions of stage-II Clearances for 531.64 Ha forest land of Amrapali OCP, CCL issued by MoEF&CC, Govt. Of India, vide F.No.8-48/2008-FC dated 12.10.2010**

S.No	Conditions	Compliance																		
1.	Legal status of forest land shall remain unchanged.	Legal status of forest land shall remain unchanged.																		
2.	Compensatory afforestation shall be raised and maintained by the State Forest Department at the project cost.	<ul style="list-style-type: none"> <li>• Total area of 1070.03 Ha has been identified by the State Forest Department for Compensatory Afforestation against diverted forest land of 531.64 Ha.</li> <li>• An amount of Rs 58,162,550.68/- has been paid for compensatory Afforestation over an area of 1070.03 Ha at the rate of Rs. 54356/Ha.</li> </ul> <p>Details of Compensatory Afforestation Land is as given below:-</p> <table border="1" data-bbox="1025 953 1881 1477"> <thead> <tr> <th>S. No</th> <th>Village</th> <th>Area (Ha)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ambatand</td> <td>45</td> </tr> <tr> <td>2</td> <td>Tepai</td> <td>59</td> </tr> <tr> <td>3</td> <td>Pakahi</td> <td>26</td> </tr> <tr> <td>4</td> <td>Jhingibrai</td> <td>105</td> </tr> <tr> <td>5</td> <td>Jhingibrai</td> <td>116</td> </tr> </tbody> </table>	S. No	Village	Area (Ha)	1	Ambatand	45	2	Tepai	59	3	Pakahi	26	4	Jhingibrai	105	5	Jhingibrai	116
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6	Nagarbarsot	255.03
7	Nawdiha	85.00
8	Pachanda	35.00
9	Kabra	155.00
10	Phulwaria	189.00
<b>Total</b>		<b>1070.03</b>

2b	<p>Fencing, protection and regeneration of the safety zone area shall be done at the project cost. Besides this, afforestation on degraded forest land, to be selected elsewhere, measuring one and a half times the area under safety zone shall also be done at the project cost.</p>	<p><b><u>Fencing, protection and regeneration of the Safety Zone:-</u></b></p> <ul style="list-style-type: none"> <li>• An area of 4.5 Ha measuring '7.5 m x 6000 m' within the lease, but outside diverted forest land 531.64 all along its outer boundary was for Safety zone.</li> <li>• An amount of Rs 24,18,300.00/- has been for safety zone over an area of 4.5 Ha measuring '7.5 m x 6000 m'.</li> </ul> <p>Fencing: - Rs. 2173658.00, @ Rs. 362.283/m for 6000m.  Protection and Regeneration: - Rs. 244602.00, @ Rs. 54356.00/ Ha for 4.5 Ha.</p> <ul style="list-style-type: none"> <li>• In the Northern part, within the lease, but outside of 531.64 Ha diverted forest land, 1200 number of saplings were planted in 3.00 Km along the bitumen road by State Forest department in 2015-16.</li> </ul>
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- Further a surface plan depicting the area for safety zone i.e. 3.5 km has been submitted on 05-12-2018 to DFO, Chatra south office vide ref no: - PO/ Amrapali OC/Forest/2018-19/1723. Dated 3.12.18.



- In the Southern part, within the lease, but outside of 531.64 Ha diverted forest land, 2000 number of saplings were planted in 2021 along Retaining wall near Honhe OB dump.
- The retaining wall of 2000 m constructed in the year 2021 on the southern part is also working as a Fencing.

**Afforestation on Degraded Forest Land: -**

Total 106134 saplings have been planted in different location in Amrapali Project from 2015 to 2022.



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- In Monsoon 2022, 16900 plants have been planted at different locations on CT Road and slope of internal dump.
- In Monsoon 2021, Plantation work in 23 Ha Backfilled area of approx. 57500 plants completed by State Forest Department.
- About 4000 saplings of multi species planted/distributed during Vriksharopan Abhiyan 2021 for development of Green Belt in and around the mine site.



- Around 25134 plants have been planted for raising of Green Belt / Block plantation from 2015-2020.

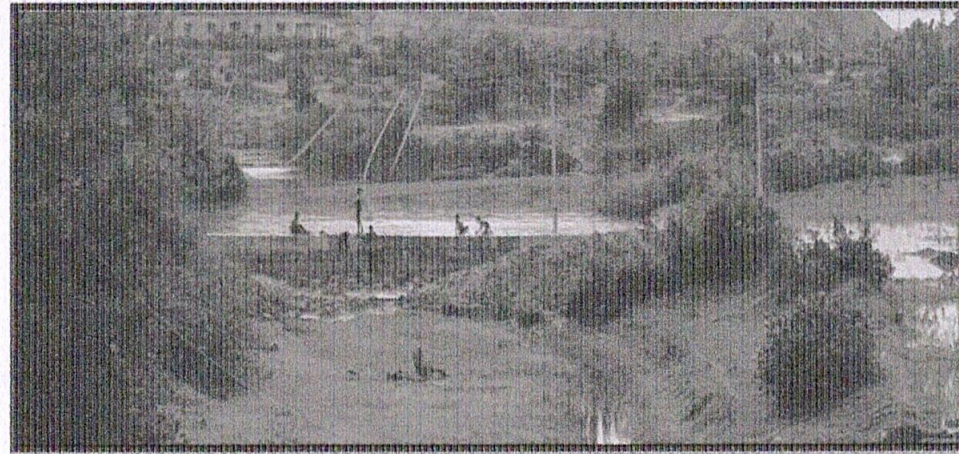


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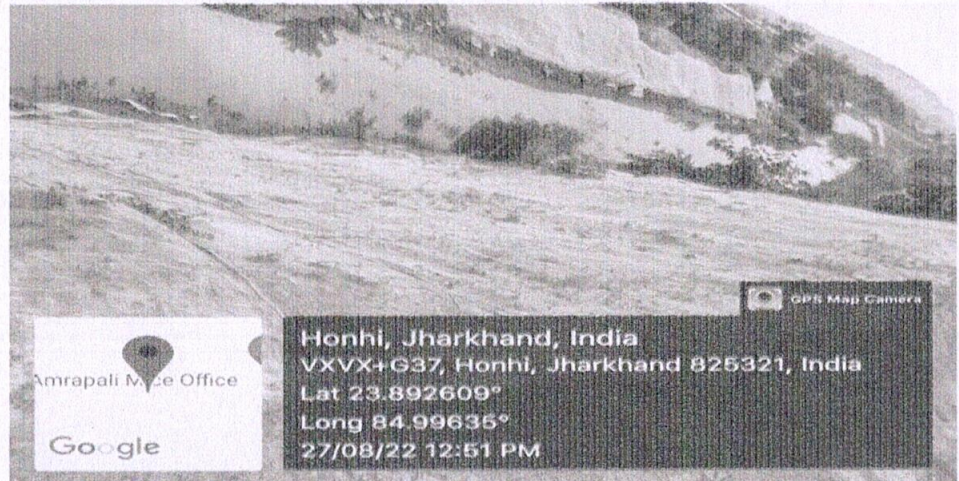
Park

2c	Wherever possible and technically feasible, the user agency shall undertake by involving local community, the afforestation measures in the blanks within the lease area, as well as along the roads outside the lease area diverted under this approval, in consultation with the State Forest Department at the project cost.	<p><b><u>The afforestation measures in the blanks</u></b>          In the Northern part, within the lease, but outside of 531.64 Ha diverted forest land, 1200 number of saplings were planted in 3.00 Km along the bitumen road by State Forest department in 2015-16.</p>															
3	Following activities undertaken by the project proponent under the supervision of the State Forest Department at the Project cost:																
3i	Proper mitigate measures to minimize soil erosion and choking of streams shall be prepared and implemented.	<p><b><u>To minimize soil erosion and choking of Streams:-</u></b>          1. Check dams have been constructed at different locations as given below: -</p> <table border="1" data-bbox="936 895 1966 1217"> <thead> <tr> <th data-bbox="936 895 1099 970">S No.</th> <th data-bbox="1099 895 1487 970">No. of Check Dam</th> <th data-bbox="1487 895 1966 970">Location</th> </tr> </thead> <tbody> <tr> <td data-bbox="936 970 1099 1034">1.</td> <td data-bbox="1099 970 1487 1034">2</td> <td data-bbox="1487 970 1966 1034">Dudhmatia Nallah</td> </tr> <tr> <td data-bbox="936 1034 1099 1098">2.</td> <td data-bbox="1099 1034 1487 1098">1</td> <td data-bbox="1487 1034 1966 1098">Parsna Village</td> </tr> <tr> <td data-bbox="936 1098 1099 1161">3.</td> <td data-bbox="1099 1098 1487 1161">2</td> <td data-bbox="1487 1098 1966 1161">Godwar Village</td> </tr> <tr> <td data-bbox="936 1161 1099 1217">4.</td> <td data-bbox="1099 1161 1487 1217">1</td> <td data-bbox="1487 1161 1966 1217">Honhe</td> </tr> </tbody> </table>	S No.	No. of Check Dam	Location	1.	2	Dudhmatia Nallah	2.	1	Parsna Village	3.	2	Godwar Village	4.	1	Honhe
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4.	1	Honhe															

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2. Jute netting, guard wall with drains (in length of 1500 m) along slopes of Dhudhmatia stream have been constructed in 2022.



3. Siltation Pond at Y-More near gate no.03 (Ursu checkpost) in low lying area has been constructed in 2021.

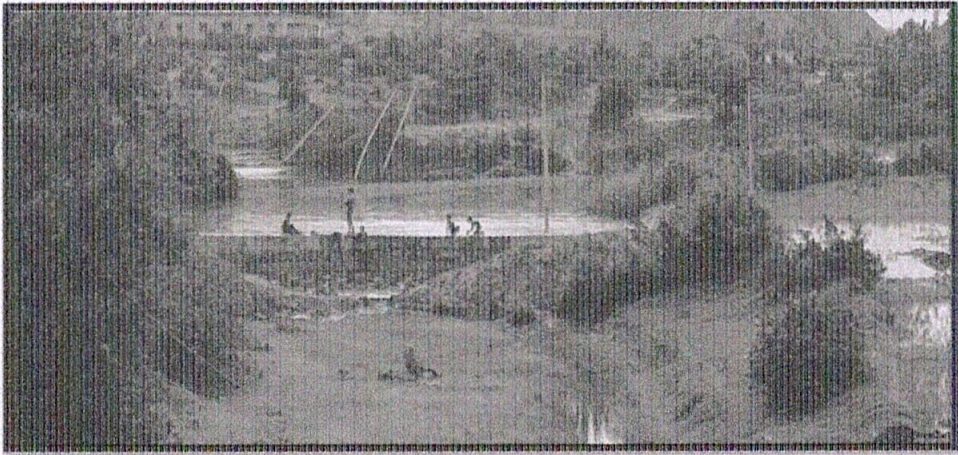
3ii Planting of adequate drought hardy plant species and sowing of seeds to arrest soil erosion.

Total 106134 saplings have been planted in different location in Amrapali Project from 2015 to 2022.

Out of this total saplings of 106134, drought hardy plant species like, Khair, Chakundi, Sal, Mahua, Shisam, and Kadam are 80%.

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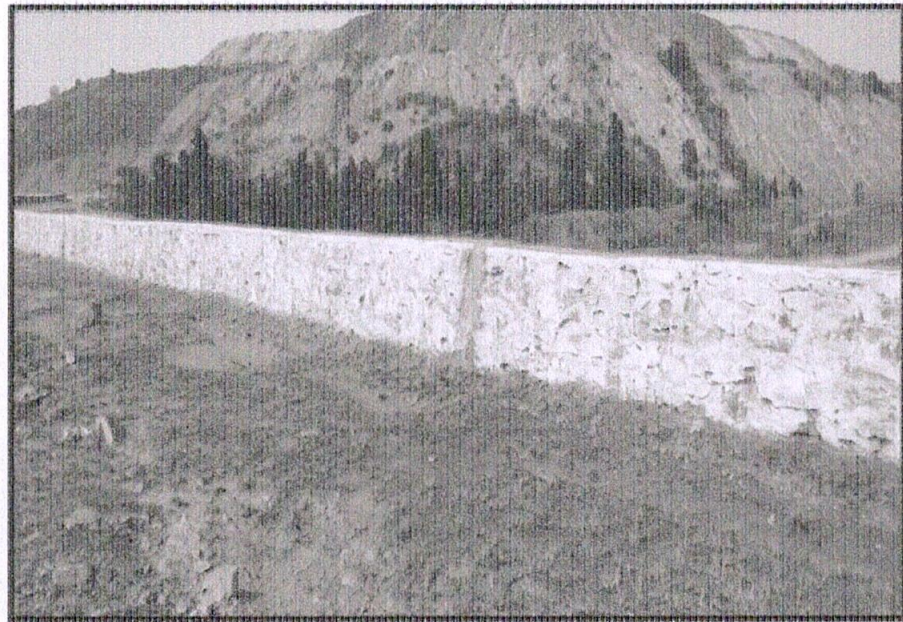
		<p>In addition to above Seed balls have been spread over 9.6 Ha area of OB dump to arrest Soil erosion.</p>															
3iii	<p>Construction of check dams, retention/ toe walls to arrest sliding down of the excavated material along the contour.</p>	<p><b>Check dams: -</b></p> <table border="1" data-bbox="938 351 1982 664"> <thead> <tr> <th>S No.</th> <th>No. of Check Dam</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2</td> <td>Dudhmatia Nallah</td> </tr> <tr> <td>2.</td> <td>1</td> <td>Parsna Village</td> </tr> <tr> <td>3.</td> <td>2</td> <td>Godwar Village</td> </tr> <tr> <td>4.</td> <td>1</td> <td>Honhe</td> </tr> </tbody> </table>  <p><b>Retaining Wall: -</b></p> <p>a. In the Binglat OB dump, toe wall of 3 km length has been constructed at the North-west side and a toe wall of 500 m length has also been constructed on 1<sup>st</sup> bench of this dump.</p>	S No.	No. of Check Dam	Location	1.	2	Dudhmatia Nallah	2.	1	Parsna Village	3.	2	Godwar Village	4.	1	Honhe
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4.	1	Honhe															

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b. Along the Honhe OB dump, toe wall of 2 km length has been constructed.



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3iv	The areas shall be reclaimed keeping in view the international practice of stabilizing the dumps by grading/ benching so that angles of repose at (normally less than 28 at any given places) are maintained.	<ul style="list-style-type: none"> <li>• OB Dumping has been stacked at earmarked dump site at Binglat OB Dumpsite.</li> <li>• Proper terracing of OB and slope is maintained as per statutory provisions.</li> </ul> 
3(V)	The top soil management plan should be strictly adhered to.	<ul style="list-style-type: none"> <li>• The top soil (1.5 Lakhs m<sup>3</sup>) has been preserved near Backfilled Site.</li> <li>• Management of Top Soil at Stockyard is done by ploughing, use of farm yard manure and sowing of mustard seeds to maintain its fertility.</li> <li>• Top soil has been spread over the plantation area at different locations.</li> </ul>
4.	The approval under the Forest (Conservation) Act, 1980 is subject to the clearance under the Environment (Protection) Act, 1986 and any other Acts/Regulation/ Rules.	<ul style="list-style-type: none"> <li>• Environmental Clearance of 20.16 MTPA capacity has been granted to Amrapali Project by MoEF&amp;CC vide No J-11015/109/2003-IA (M) Dated 10.05.2021.</li> <li>• CTE (20.16 MTPA) issued to Amrapali Project vide Letter No.- JSPCB/HO/RNC/CTE-10408025/2022/65 Dated 15.02.2022.</li> <li>• CTO (20.16 MTPA) issued to Amrapali Project vide Letter No.- JSPCB/HO/RNC/CTO-13785684/2023/1 Dated 01.01.2023 valid till 30.06.2023.</li> </ul>

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5.	The period of diversion under this approval shall be thirty (30) year subject to possession of valid lease by User Agency under the MMDR Act, 1957.	<ul style="list-style-type: none"> <li>• CCL undertakes that the period of diversion under this approval shall be thirty (30) years.</li> <li>• Land has been acquired under CBA(A&amp;D) Act 1957 under section: 9(i) by S.O no 1381 dated 10.2003.</li> </ul>
6.	The User Agency shall furnish an undertaking to pay the additional NPV, if so determined, as per the final decision of Hon'ble Supreme Court of India.	Project Authority under takes to pay the additional NPV, if so determined, as per final decision of Hon'ble Supreme Court.
7.	Demarcation of mining lease area will be done on the ground at project cost using four feet high reinforced cement concrete pillars with serial numbers, forward & backward bearing and distance from pillar to pillar.	Demarcation of diverted forest area has already been done as per condition laid out.
8.	Mining/ reclamation schedule shall be implemented by the useragency at their cost as per Environmental Management plan/ Phase reclamation programme. The annual report about the progress of reclamation should be submitted to the CCF (Central), Bhubaneshwar.	Backfilling has already been started in worked out area where coal has been fully extracted. Annual Report about the Progress of reclamation & rehabilitation has been submitted to Integrated Regional Office, Ranchi vide letter No PO/(Amp)/PD/L&R/2022-23/1997 dated 17.12.2022.
9.	In addition to above, the user agency shall undertake rehabilitation of the used/ mined out pits/ voids as per plan for rehabilitating of abandoned mines in CCL command area under the supervision of the State Forest Department. The annual report about the progress of rehabilitating	As on date no mined out pits or void is available in the lease hold area of the project. However Annual Report about the Progress of reclamation & rehabilitation has been submitted to Integrated Regional Office, Ranchi vide letter No PO/(Amp)/PD/L&R/2022-23/1997 dated 17.12.2022.

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	should Be submitted to the CCF(Central), Bhubaneshwar.	
10.	The user shall also take up study on soil erosion/ soil flow from the over-burden areas with the help of GIS in consultation with forest department.	Scientific study of Soil Erosion and preventive measures has been done by CMPDIL, Ranchi, in June, 2011 and accordingly preventive measures have been taken.
11.	The area within the lease, but outside diversion, be conserved and developed as Green Belt at project cost the user agency.	<p>Area within the lease but outside diverted area has been conserved. The area within the lease but outside diversion is forest as well as non-Forest both.</p> <p>Forest area is naturally planted and non-Forest area (being developed as township). Details of plantation done within the lease but outside diverted area is as follows: -</p> <ul style="list-style-type: none"> <li>• In the Northern part, within the lease, but outside of 531.64 Ha diverted forest land, 1200 number of saplings were planted in 3.00 Km along the bitumen road by State Forest department in 2015-16.</li> <li>• In the Southern part, within the lease, but outside of 531.64 Ha diverted forest land, 2000 number of saplings were planted in 2021 along Retaining wall near Honhe OB dump.</li> </ul>
12.	The forest land shall not be used for any purpose other than that specified in the proposal	<p>CCL undertakes that the forest land shall not be used for any purpose other than that specified in the proposal.</p> <p>Forest land is being used for the purpose which has been indicated in the application for diversion.</p>
13.	Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.	Tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.

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14.	No damage to the flora and fauna of the area shall be caused.	No damage to the flora and fauna of the area is being caused.																																			
15.	No labour camps shall be set up inside the forest area.	No labour camp has been set up inside the subject forest area. It is being complied as per condition.																																			
16.	The User Agency will make arrangement for free supply of coal to laborers and staff working on the projects site so as to avoid any pressure on the adjacent forest areas.	One cylinder of fuel gas is being supplied free of cost to each employee of CCL.  The employee engaged by outsourcing agency are being provided food, where food is being prepared by LPG and no forest produce is being used in the above process. Hence the condition is being duly taken care off.																																			
17.	The user agency will implement the R&R Plan as per the R&R Policy of State Govt. in consonance with National R&R Policy before commencement of the work.	<p>CCL follows the R&amp;R policy 2012 of Coal India Limited and as per this policy all the project affected peoples of this project have been given R&amp;R benefit as enumerated below:-</p> <ol style="list-style-type: none"> <li>R&amp;R sites have been developed in village Honhe &amp; Serendag. PAPs opting to shift to R&amp;R site are given a plot of 05 decemil at R&amp;R Site along with Rs. 50,000 as shifting allowance and Rs. 50,000 as one time resettlement allowance.</li> </ol> <p><b>2. Employment benefit:- Till date total 139 numbers of PAPs have been given direct employment in CCL. Details of Villagewise employment given is shown below:-</b></p> <table border="1" data-bbox="936 1039 1809 1337"> <thead> <tr> <th>S.no</th> <th>Village</th> <th>Employment Provided</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Honhe</td> <td>75</td> </tr> <tr> <td>2</td> <td>Binglat</td> <td>34</td> </tr> <tr> <td>3</td> <td>Ursu</td> <td>2</td> </tr> <tr> <td>4</td> <td>Kumrangkala</td> <td>11</td> </tr> <tr> <td>5</td> <td>Kumrangkhurd</td> <td>6</td> </tr> <tr> <td></td> <td>Hexabalia</td> <td>5</td> </tr> <tr> <td></td> <td>Saradu</td> <td>6</td> </tr> <tr> <td colspan="2"><b>Total</b></td> <td><b>139</b></td> </tr> </tbody> </table> <p><b>2. Compensation Paid:-</b></p> <table border="1" data-bbox="936 1408 1944 1505"> <thead> <tr> <th>S.n</th> <th>Village</th> <th>Area (Acre)</th> <th>Compensation Paid(rs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Honhe</td> <td>19.9825</td> <td>18039887</td> </tr> </tbody> </table>	S.no	Village	Employment Provided	1	Honhe	75	2	Binglat	34	3	Ursu	2	4	Kumrangkala	11	5	Kumrangkhurd	6		Hexabalia	5		Saradu	6	<b>Total</b>		<b>139</b>	S.n	Village	Area (Acre)	Compensation Paid(rs)	1	Honhe	19.9825	18039887
S.no	Village	Employment Provided																																			
1	Honhe	75																																			
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S.n	Village	Area (Acre)	Compensation Paid(rs)																																		
1	Honhe	19.9825	18039887																																		

*Mrai*

*Pat*

2	Binglat	16.45	14853346
3	Ursu	1.06	957074
4	Kumrangkala	2.445	2207590
5	Kumrangkhurd	1.3850	1250516
<b>Total paid</b>			<b>37308415</b>

**3. Resettlement benefit:-**

1. One time lumpsum payment of Rs 6 lakh as per CIL R& R ploicy for those who want to shift outside the R&R site.
2. Provision of Rs 50,000 as incentive to those PAFs whose house and similar Civil structure is demolished within 100 days from the dates of demolition order issued by Project authority.
3. Subsistence allowance @ minimum agricultral wage Rs 334.14/day for 300 days.

18.


The User Agency, on a long-term policy intervention, will explore the possibility of establishing Vocational Training Institutes of training the local youths and period as part of its CSR.

The possibilities of establishing Vocational Training Institute for the training local youth is being explored at corporate level. Meantime, many CSR activities like for the skill development of Project affected people are being taken up at the project level are as enumared below

- 27 PAPS have been given training for Heavy vehicle driving.



*Musi* *Pal*

		<ul style="list-style-type: none"> <li>Ladies of Project affected village are being given training for Sewing machine and 100 numbers of Sewing Machine distributed amongst Projected affected people.</li> </ul> 
19.	The Project Proponent shall explore the possibility of sparing 100-150 m wide strip from diverted forest land on the northern side of its mines in the region for Rail line project, if geologically and geographically feasible and envisaged by the Railways.	<ul style="list-style-type: none"> <li>It is not feasible to spare non coal bearing area of 100-150 m wide strip on the northern side of diverted forest land. The non coal bearing area which is available on the northern side is not sufficient for the purpose of rail line.</li> <li>Online Forest application for Amrapali railway siding has been done with Ref. No: FP/JH/RAIL/36506/2018 Dated 12<sup>th</sup> October, 2018.</li> </ul>
20.	The User Agency will reclaim and surrender all area which was handed over to them 20 years back.	The forest land diverted shall be surrendered after reclamation as per reclamation plan in accordance with the guidelines of MOEF&CC.

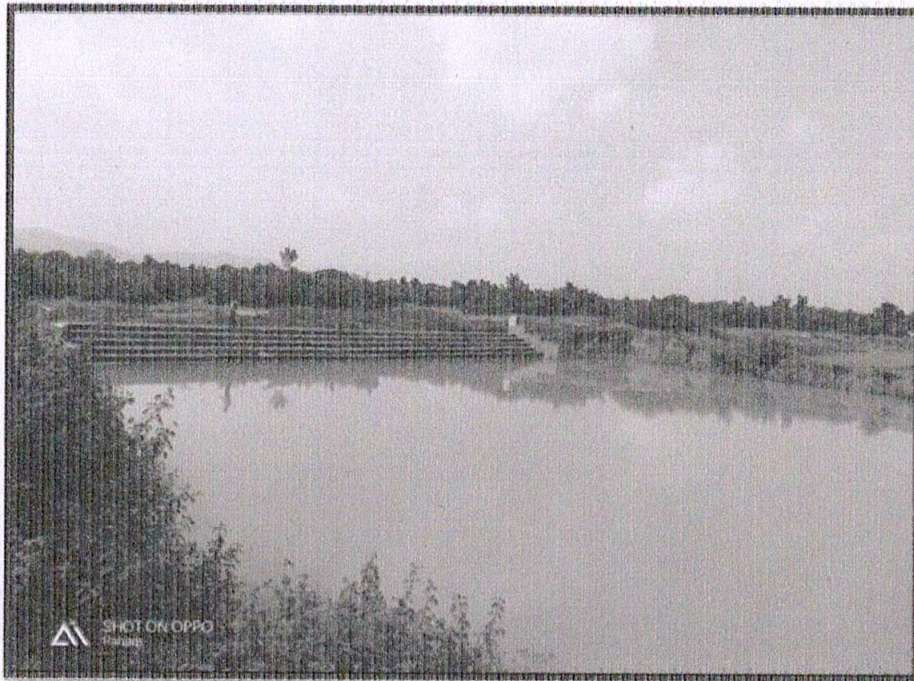
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Ral

21.

The User Agency shall take up the de-silting of the village tanks within five Km area from the mine lease boundary as a Corporate's social responsibility so as to mitigate the impact of siltation of such tanks if any.

De-silting of the village tanks by deepening of 1 pond at Honhe Village, 1 no of Pond at Birhor Tola (Koyad) and 1 pond at Mishraul to mitigate the Impact of siltation of such tanks.



R/

M/

22	Any other condition that the CCF (Central), Regional Office, Bhubaneswar, may impose from time to time for the protection and improvement of flora and fauna in the forests.	If any condition is imposed by CCF (Central), Regional Office, Bhubaneswar, in future it shall be duly abide by.
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Patil  
17.3.2023

† Project Officer  
Amsarai Project



कार्यालय:- वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल।

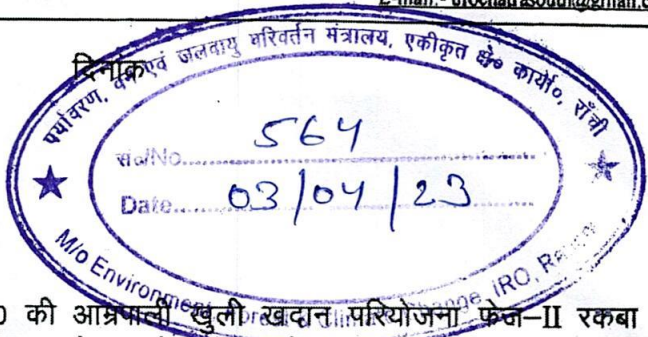
वन भवन, चतरा- 825401 (झारखण्ड)

Ph. &amp; Fax (o) - 06541- 222303

E-mail:- dfochattrasouth@gmail.com

सेवा में,

पत्रांक

वन संरक्षक,  
प्रादेशिक अंचल,  
चतरा।

विषय:-

मेसर्स सी0सी0एल0 की आभ्रमन्वी खुली रखदान परियोजना फेज-II रकबा 431.59 हे0 वनभूमि अपयोजन के प्रस्ताव के संबंध में प्रस्तावित क्षतिपूरक वनरोपण वन क्षेत्र के स्थल का निरीक्षण के संबंध में।

प्रसंग :-

इस कार्यालय के पत्रांक 3124 दिनांक 23.12.2022

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र के संदर्भ में सूचित करना है कि परियोजना के विरुद्ध प्रस्तावित क्षतिपूरक वनरोपण स्थल का निरीक्षण किया गया। इस निरीक्षण के तहत पूर्व में दिये गये क्षतिपूरक वनरोपण हेतु कुल 127.00 हे0 (मौजा- कुरलौंगा, रकबा- 25.00 हे0 एवं मौजा- कारो, रकबा- 102.00 हे0) की जांच की गई। जांच के क्रम में पाया गया कि मौजा- कुरलौंगा का 25.00 हे0 वनभूमि वनरोपण उपयुक्त है एवं कारो गाँव का 102.00 हे0 वनभूमि में 80 प्रतिशत भाग में अतिक्रमण है जो क्षतिपूरक वनरोपण युक्त नहीं है। उक्त रकबा- 102.00 हे0 के विरुद्ध क्षतिपूरक वनरोपण उपयुक्त एवं अतिक्रमण मुक्त स्थल मौजा- जांगी, रकबा- 50.00 हे0 एवं मौजा- चंगेर, रकबा- 52.00 हे0 चिन्हित किया गया।

पूर्व में भेजी गयी क्षतिपूरक वनरोपण स्थल के विरुद्ध वर्तमान में क्षतिपूरक वनरोपण हेतु स्थल जो अतिक्रमण मुक्त एवं वनरोपण उपयुक्त है, कि विवरणी निम्नवत् है :-

क्र0	प्रक्षेत्र का नाम	मौजा का नाम	प्लॉट संख्या	शुद्ध रकबा (हे0)	कुल रकबा (हे0)	अभियुक्ति
1	टण्डवा	कुरलौंगा	402P	25.00	25.27	
2	चतरा	जांगी	3872P, 3873, 3874	50.00	59.99	
3	चतरा	चंगेर	11P, 14, 15, 16, 17P	52.00	78.87	
कुल :-				127.00	164.13	

अतः वर्तमान में क्षतिपूरक वनरोपण हेतु प्रस्तावित स्थल का नक्शा, डी0जी0पी0एस0 टोपो मैप, उपयुक्ता प्रमाण-पत्र एवं 10 वर्षीये प्राक्कलन की सात-सात प्रतियाँ इस पत्र के साथ संलग्न कर आवश्यक कार्रवाई हेतु भेजी जा रही है।

अनु0-यथोक्त।

विश्वासभाजन

ह0/-

वन प्रमंडल पदाधिकारी,  
चतरा दक्षिणी वन प्रमंडल।

ज्ञापांक 826 दिनांक 31/03/2023

प्रतिलिपि :- सहायक वन महानिरीक्षक, भारत सरकार का एकीकृत क्षेत्रीय कार्यालय, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, राँची/प्रधान मुख्य वन संरक्षक-सह-कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची/क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

वन प्रमंडल पदाधिकारी,  
चतरा दक्षिणी वन प्रमंडल।



**Forest and Environment Department, Jharkhand**  
**CHATRA SOUTH FOREST DIVISION.**  
**Estimate under Compensatory Afforestation scheme (CAMPA)**  
**M/S CCL, IN AMARPALI OCP, AREA (431.59 ha.)**  
**Financial Year 2022-23 to 2032-33**

Name of Scheme	<b>Compensatory Afforestation Scheme</b>		
Name of Site	<b>Kurlonga</b>	Gross Area	: 25.17 ha.
Thana & Thana No.	<b>Tandwa- 26</b>	Net Area	: 25.00 ha.
Name of Range	<b>Tandwa</b>	No. of Plants	: 1666 /ha.
Name of Block	<b>Tandwa</b>	Total Fencing	: 150 Chain
Plot No. -	<b>402P</b>	Wages Rate	: 334.14 /MD
		Spacing	: 3m x 2m

SI No.	Particulars	Prescribed Rate				Total	Estimated Amount (As Per site)			Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)		Wages (Rs)	Material (Rs)	Total Rs	
1	2	3	4	5	6	7	8	9	10	11
<b>A</b>	<b>Advance work 1st Year</b>									
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	25060.50	0.00	25060.50	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	58474.50	0.00	58474.50	
3	"Trench/stone fencing or bush fencing by machine with the approval of the Conservator of Forests at the approved departmental rate as per the minimum requirement. (i) Trench girth - Top width 1.83 m, Bottom width 1.22 m, Depth 1.22 m, Trench girth including dressing - 150 chains"	chain	2.00	668.28	1963.79	2632.07	100242.00	294568.50	394810.50	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	304902.75	0.00	304902.75	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	137832.75	0.00	137832.75	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	99725.00	99725.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	459442.50	0.00	459442.50	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	208837.50	0.00	208837.50	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	83535.00	0.00	83535.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	437997.01	0.00	437997.01	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	3750.00	3750.00	
	<b>Total</b>		<b>155.00</b>	<b>51791.70</b>	<b>6102.79</b>	<b>57894.49</b>	<b>1816324.51</b>	<b>398043.50</b>	<b>2214368.01</b>	
12	Per piller@ 4700with GST	No.	40	0.00	0.00	0.00	0.00	188000.00	188000.00	
	<b>Total</b>			<b>51791.70</b>	<b>6102.79</b>	<b>57894.49</b>	<b>1816324.51</b>	<b>586043.50</b>	<b>2402368.01</b>	
<b>B</b>	<b>Completion Work (2nd Year)</b>								<b>384.26</b>	
			<b>(Wages rate in 15% increase of per year.)</b>							
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	206540.29	0.00	206540.29	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	350638.16	0.00	350638.16	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	398670.79	0.00	398670.79	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	19213.05	0.00	19213.05	
5	Protection of Plants.		275.00	105671.78	0.00	105671.78	105671.78	0.00	105671.78	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	59125.00	59125.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	3750.00	3750.00	
	<b>Total :-</b>		<b>376.50</b>	<b>144674.27</b>	<b>2515.00</b>	<b>147189.27</b>	<b>1080734.06</b>	<b>62875.00</b>	<b>1143609.06</b>	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)						441.90	
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	254092.59	0.00	254092.59
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	47310.00	47310.00
3	Protection		365.00	161293.55	0.00	161293.55	161293.55	0.00	161293.55
4	Fencing repair	chain	1.00	441.90	0.00	441.90	66285.02	0.00	66285.02
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	33142.51	7250.00	40392.51
Total :-			392.00	173224.86	2182.40	175407.26	514813.67	54560.00	569373.67
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)						508.19	
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	292206.47	0.00	292206.47
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	32500.00	32500.00
3	Protection		365.00	185487.59	0.00	185487.59	185487.59	0.00	185487.59
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	38113.89	7250.00	45363.89
Total :-			391.00	198700.40	1590.00	200290.40	515807.95	39750.00	555557.95
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)						584.41	
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	336037.45	0.00	336037.45
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	12500.00	12500.00
3	Fencing repair	Chai	1.00	584.41	0.00	584.41	87661.94	0.00	87661.94
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73
Total :-			389.00	227336.64	500.00	227836.64	637010.11	12500.00	649510.11
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)						672.07	
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
Total :-			365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)						772.89	
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
Total :-			365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)						888.82	
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
Total :-			365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)						1022.14	
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
Total :-			365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)						1175.46	
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06
Total :-			365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06

**ABSTRACT**


Work & Year	Wages	Materials	Total
Advance work 1st Year	1816324.51	586043.50	2402368.01
Completion Work (2nd Year)	1080734.06	62875.00	1143609.06
Maintenance Work (3rd Year)	514813.67	54560.00	569373.67
Maintenance Work (4th Year)	515807.95	39750.00	555557.95
Maintenance Work (5th Year)	637010.11	12500.00	649510.11
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
<b>Total</b>	<b>6218645.89</b>	<b>755728.50</b>	<b>6974374.39</b>
<b>Material (Fertilizer &amp; Chemicals, Seeds, manures, etc..) &amp; Miscellaneous Work GST @ 18%</b>			<b>46558.80</b>
<b>Grand Total</b>			<b>7020933.19</b>
			<b>Or Say - 7020933.00</b>


Rs. Seventy lac twenty thousand nine hundred thirty three only.

**Note :-**

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. .... dt. ....
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

**Submitted**

  
Range Forest Officer  
Tandwa Range.

  
Divisional Forest Officer,  
Chatra South Forest Division.

**Forest and Environment Department, Jharkhand**  
**CHATRA SOUTH FOREST DIVISION.**  
**Estimate under Compensatory Afforestation scheme (CAMPA)**  
**M/S CCL, IN AMARPALI OCP, AREA (431.59 ha.)**  
**Financial Year 2022-23 to 2032-33**

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 78.87 ha.
Name of Site	Changer	Net Area	: 52.00 ha.
Thana & Thana No.	Chatra-266	No. of Plants	: 1666 /ha.
Name of Range	Chatra Range	Total Fencing	: 312 Chain
Name of Block	Chatra	Wages Rate	: 334.14 /MD
Plot No. -	11P, 14, 15, 16, 17P	Spacing	: 3m x 2m

SI No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)				Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)	Total	Wages (Rs)	Material (Rs)	Total Rs	
1	2	3	4	5	6	7	8	9	10	11
<b>A</b>	<b>Advance work 1st Year</b>									
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	52125.84	0.00	52125.84	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	121626.96	0.00	121626.96	
3	"Trench/stone fencing or bush fencing by machine with the approval of the Conservator of Forests at the approved departmental rate as per the minimum requirement. (i) Trench girth - Top width 1.83 m, Bottom width 1.22 m, Depth 1.22 m, Trench girth including dressing - 312 chains"	chain	2.00	668.28	1963.79	2632.07	208503.36	612702.48	821205.84	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	634197.72	0.00	634197.72	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	286692.12	0.00	286692.12	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	207428.00	207428.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distence 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	955640.40	0.00	955640.40	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	434382.00	0.00	434382.00	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	173752.80	0.00	173752.80	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	909765.72	0.00	909765.72	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7800.00	7800.00	
	<b>Total</b>		<b>155.00</b>	<b>51791.70</b>	<b>6102.79</b>	<b>57894.49</b>	<b>3776686.92</b>	<b>827930.48</b>	<b>4604617.40</b>	
12	Per piller@ 4700with GST	No.	126	0.00	0.00	0.00	0.00	592200.00	592200.00	
	<b>Total</b>			<b>51791.70</b>	<b>6102.79</b>	<b>57894.49</b>	<b>3776686.92</b>	<b>1420130.48</b>	<b>5196817.40</b>	
<b>B</b>	<b>Completion Work (2nd Year)</b>									<b>384.26</b>
			<b>(Wages rate in 15% increase of per year.)</b>							
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	429603.80	0.00	429603.80	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	729327.38	0.00	729327.38	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	829235.24	0.00	829235.24	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	39963.14	0.00	39963.14	
5	Protection of Plants.		550.00	211343.55	0.00	211343.55	211343.55	0.00	211343.55	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	122980.00	122980.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7800.00	7800.00	
	<b>Total :-</b>		<b>651.50</b>	<b>250346.04</b>	<b>2515.00</b>	<b>252861.04</b>	<b>2239473.11</b>	<b>130780.00</b>	<b>2370253.11</b>	

<b>C</b>	<b>Maintenance Work (3rd Year)</b>	(Wages rate in 15% increase of per year.)								441.90
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	528512.58	0.00	528512.58	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	98404.80	98404.80	
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11	
4	Fencing repair	Chain	1.00	441.90	0.00	441.90	137872.85	0.00	137872.85	
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	68936.42	15080.00	84016.42	
<b>Total :-</b>			<b>757.00</b>	<b>334518.41</b>	<b>2182.40</b>	<b>336700.81</b>	<b>1057908.96</b>	<b>113484.80</b>	<b>1171393.76</b>	
<b>D</b>	<b>Maintenance Work (4th Year)</b>	(Wages rate in 15% increase of per year.)								508.19
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	607789.47	0.00	607789.47	
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	67600.00	67600.00	
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18	
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	79276.89	15080.00	94356.89	
<b>Total :-</b>			<b>756.00</b>	<b>384187.99</b>	<b>1590.00</b>	<b>385777.99</b>	<b>1058041.53</b>	<b>82680.00</b>	<b>1140721.53</b>	
<b>E</b>	<b>Maintenance Work (5th Year)</b>	(Wages rate in 15% increase of per year.)								584.41
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	698957.89	0.00	698957.89	
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	26000.00	26000.00	
3	Fencing repair	Chain	1.00	584.41	0.00	584.41	182336.84	0.00	182336.84	
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73	
<b>Total :-</b>			<b>389.00</b>	<b>227336.64</b>	<b>500.00</b>	<b>227836.64</b>	<b>1094605.45</b>	<b>26000.00</b>	<b>1120605.45</b>	
<b>F</b>	<b>Maintenance Work (6th Year)</b>	(Wages rate in 15% increase of per year.)								672.07
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34	
<b>Total :-</b>			<b>365.00</b>	<b>245307.34</b>	<b>0.00</b>	<b>245307.34</b>	<b>245307.34</b>	<b>0.00</b>	<b>245307.34</b>	
<b>G</b>	<b>Maintenance Work (7th Year)</b>	(Wages rate in 15% increase of per year.)								772.89
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44	
<b>Total :-</b>			<b>365.00</b>	<b>282103.44</b>	<b>0.00</b>	<b>282103.44</b>	<b>282103.44</b>	<b>0.00</b>	<b>282103.44</b>	
<b>H</b>	<b>Maintenance Work (8th Year)</b>	(Wages rate in 15% increase of per year.)								888.82
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95	
<b>Total :-</b>			<b>365.00</b>	<b>324418.95</b>	<b>0.00</b>	<b>324418.95</b>	<b>324418.95</b>	<b>0.00</b>	<b>324418.95</b>	
<b>I</b>	<b>Maintenance Work (9th Year)</b>	(Wages rate in 15% increase of per year.)								1022.14
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79	
<b>Total :-</b>			<b>365.00</b>	<b>373081.79</b>	<b>0.00</b>	<b>373081.79</b>	<b>373081.79</b>	<b>0.00</b>	<b>373081.79</b>	
<b>J</b>	<b>Maintenance Work (10th Year)</b>	(Wages rate in 15% increase of per year.)								1175.46
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06	
<b>Total :-</b>			<b>365.00</b>	<b>429044.06</b>	<b>0.00</b>	<b>429044.06</b>	<b>429044.06</b>	<b>0.00</b>	<b>429044.06</b>	

**ABSTRACT**

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	3776686.92	1420130.48	5196817.40
Completion Work (2nd Year)	2239473.11	130780.00	2370253.11
Maintenance Work (3rd Year)	1057908.96	113484.80	1171393.76
Maintenance Work (4th Year)	1058041.53	82680.00	1140721.53
Maintenance Work (5th Year)	1094605.45	26000.00	1120605.45
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
<b>Total</b>	<b>10880671.54</b>	<b>1773075.28</b>	<b>12653746.82</b>
<b>Material (Fertilizer &amp; Chemicals, Seeds, manures, etc..) &amp; Miscellaneous Work GST @ 18%</b>			<b>96842.30</b>
<b>Grand Total</b>			<b>12750589.13</b>
<b>Or Say -</b>			<b>12750589.00</b>


Rs. One crore twenty seven lac fifty thousand five hundred eighty nine only.

**Note :-**

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Departmnet, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. .... dt. ....
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted

Range Forest Officer  
Chatra Range.

  
 Divisional Forest Officer,  
 Chatra South Forest Division.

**Forest and Environment Department, Jharkhand**  
**CHATRA SOUTH FOREST DIVISION.**  
**Estimate under Compensatory Afforestation scheme (CAMPA)**  
**M/S CCL, IN AMARPALI OCP, AREA (431.59 ha.)**  
**Financial Year 2022-23 to 2032-33**

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 59.99 ha.
Name of Site	Jangi	Net Area	: 50.00 ha.
Thana & Thana No.	Chatra-135	No. of Plants	: 1666 /ha.
Name of Range	Chatra Range	Total Fencing	: 300 Chain
Name of Block	Chatra	Wages Rate	: 334.14 /MD
Plot No. -	3872P, 3873, 3874	Spacing	: 3m x 2m

SI No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)			Remarks	
		Unit	MD (No)	Wages (Rs)	Material (Rs)	Total	Wages (Rs)	Material (Rs)		Total Rs
1	2	3	4	5	6	7	8	9	10	11
<b>A</b>	<b>Advance work 1st Year</b>									
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	50121.00	0.00	50121.00	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	116949.00	0.00	116949.00	
3	"Trench/stone fencing or bush fencing by machine with the approval of the Conservator of Forests at the approved departmental rate as per the minimum requirement. (i) Trench girth - Top width 1.83 m, Bottom width 1.22 m, Depth 1.22 m, Trench girth including dressing - 300 chains"	chain	2.00	668.28	1963.79	2632.07	200484.00	589137.00	789621.00	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	609805.50	0.00	609805.50	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	275665.50	0.00	275665.50	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	199450.00	199450.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	918885.00	0.00	918885.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	417675.00	0.00	417675.00	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	167070.00	0.00	167070.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	875994.02	0.00	875994.02	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
	<b>Total</b>		<b>155.00</b>	<b>51791.70</b>	<b>6102.79</b>	<b>57894.49</b>	<b>3632649.02</b>	<b>796087.00</b>	<b>4428736.02</b>	
12	Per pillar@ 4700with GST	No.	12	0.00	0.00	0.00	0.00	56400.00	56400.00	
	<b>Total</b>			<b>51791.70</b>	<b>6102.79</b>	<b>57894.49</b>	<b>3632649.02</b>	<b>852487.00</b>	<b>4485136.02</b>	
<b>B</b>	<b>Completion Work (2nd Year)</b>									<b>384.26</b>
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	413080.58	0.00	413080.58	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	701276.33	0.00	701276.33	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	797341.58	0.00	797341.58	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	38426.10	0.00	38426.10	
5	Protection of Plants.		550.00	211343.55	0.00	211343.55	211343.55	0.00	211343.55	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	118250.00	118250.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
	<b>Total :-</b>		<b>651.50</b>	<b>250346.04</b>	<b>2515.00</b>	<b>252861.04</b>	<b>2161468.13</b>	<b>125750.00</b>	<b>2287218.13</b>	

C Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)						441.90	
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	508185.17	0.00	508185.17
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	94620.00	94620.00
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	Chain	1.00	441.90	0.00	441.90	132570.05	0.00	132570.05
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	66285.02	14500.00	80785.02
Total :-			757.00	334518.41	2182.40	336700.81	1029627.35	109120.00	1138747.35
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)						508.19	
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	584412.95	0.00	584412.95
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	65000.00	65000.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	76227.78	14500.00	90727.78
Total :-			756.00	384187.99	1590.00	385777.99	1031615.90	79500.00	1111115.90
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)						584.41	
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	672074.89	0.00	672074.89
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	25000.00	25000.00
3	Fencing repair	Chain	1.00	584.41	0.00	584.41	175323.88	0.00	175323.88
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73
Total :-			389.00	227336.64	500.00	227836.64	1060709.50	25000.00	1085709.50
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)						672.07	
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
Total :-			365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)						772.89	
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
Total :-			365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)						888.82	
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
Total :-			365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)						1022.14	
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
Total :-			365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)						1175.46	
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06
Total :-			365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06

**ABSTRACT**

Work & Year	Wages	Materials	Total
Advance work 1st Year	3632649.02	852487.00	4485136.02
Completion Work (2nd Year)	2161468.13	125750.00	2287218.13
Maintenance Work (3rd Year)	1029627.35	109120.00	1138747.35
Maintenance Work (4th Year)	1031615.90	79500.00	1111115.90
Maintenance Work (5th Year)	1060709.50	25000.00	1085709.50
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
<b>Total</b>	<b>10570025.47</b>	<b>1191857.00</b>	<b>11761882.47</b>
<b>Material (Fertilizer &amp; Chemicals, Seeds, manures, etc.) &amp; Miscellaneous Work GST @ 18%</b>			<b>93117.60</b>
<b>Grand Total</b>			<b>11855000.07</b>
<b>Or Say -</b>			<b>11855000.00</b>

Rs. One crore eighteen lac fifty five thousand only.

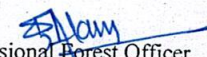
**Note :-**

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F-No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. .... dt. ....
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted



Range Forest Officer  
Chatra Range.


  
Divisional Forest Officer,  
Chatra South Forest Division.

Certificate regarding suitability of area for compensatory  
afforestation and from management point of view

Certified that the area mentioned is suitable for compensatory afforestation work and from management point of view. The details of forest area is as follows :-

**IN THE PROPOSAL OF M/S C.C.L, - Amrapali OCP Phase-II (431.59 Ha.)**

Sl. No	Name of Range	Name of Village	Thana & No.	Plot No.	Net Area (in ha.)	Gross Area (in ha.)
1	Chatra	Jangi	Chatra- 135	3872P,3873,3874	50.00	59.99
2	Chatra	Changer	Chatra- 266	11P,14,15,16,17P	52.00	78.87
3	Tandwa	Kurlonga	Tandwa- 26	402P	25.00	25.17
<b>Total :-</b>					<b>127.00</b>	<b>164.03</b>

  
**(Shaba Alam Ansari)**  
Divisional Forest Officer  
Chatra South forest Division