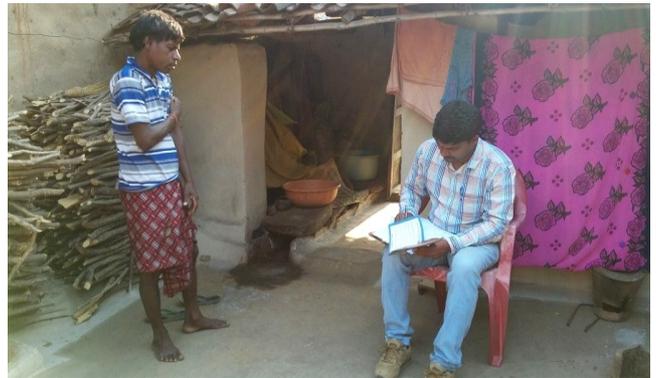




MAHARASHTRA STATE POWER GENERATION CO LTD (MAHAGENCO)



R&R PLAN AND ENTITLEMENT FRAMEWORK

**Gare Palma Sector-II Coal Block
Tamnar Tehsil, Raigarh District, Chhattisgarh**

DECEMBER, 2017

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Table of Content

Section No	Section Details	Page No
1	Introduction	2
1.1	Background	2
1.2	The Project	3
1.3	The Study	4
1.4	Definitions	4
2	Socio-economic Impact	6
2.1	Aims and Objectives	6
2.2	List of Affected Villages	6
2.3	Land Distribution	9
2.4	Extent of Displaced and Affected Population	9
2.5	Social Distribution of Displaced Population	10
2.6	Loss of Common Resources	12
2.6.1	Water Source	12
2.6.2	Common Property Resources	12
2.6.3	Trees	13
2.6.4	House Typology	14
2.6.5	Occupation Structure	14
3	Comprehensive R&R Plan and Entitlement Framework	16
4	Proposed CSR Activities	20

1. INTRODUCTION

1.1 Background

Maharashtra State Power Generation Company Limited (hereinafter referred to as MAHAGENCO) is a State owned Public Sector Unit of Government of Maharashtra engaged in power generation having its Head office situated is Bandra (East), Mumbai. Maharashtra State Power Generation Co Ltd. has been incorporated under Indian Companies Act 1956 pursuant to decision of Govt. of Maharashtra to reorganize erstwhile Maharashtra State Electricity Board (herein after referred to as "MSEB"). The said reorganization of the MSEB has been done by Govt. of Maharashtra pursuant to Part XIII read with section 131 of The Electricity Act 2003. MAHAGENCO has been incorporated on 31.5.2005 with The Registrar of Companies, Maharashtra, Mumbai and has obtained Certificate of Commencement of Business on 15.09.2005. MAHAGENCO is engaged in the business of generation and supply of electricity and has been vested with generation assets, interest in property, rights and liabilities of MSEB.

MAHAGENCO has the highest overall generation capacity and the highest thermal installed capacity amongst all the state power generation utilities in India. In terms of installed capacity, it is the second highest generation company after NTPC. The company has a generation capacity of 13602 MW comprising of 10170 MW Thermal Power Plants, 2580 MW Hydel Power Plant, 672 MW Gas Turbine and 180 MWp Solar. The details of the power plants are given below.

Table 1: Installed Capacity of MAHAGENCO Plants

Sr. No.	Power Station	Units & Size (MW)	Installed Capacity (MW)
A	Thermal Power Stations		
1	Koradi Units 6 To 10	2 x 210 + 3 x 660	2400
2	Nasik Units 3 To 5	3x210	630
3	Bhusawal Units 3 To 5	1x210 + 2x500	1210
4	Paras Units 3 & 4	2x250	500
5	Parli Units 4 To 8	2x210+ 3x250	1170
6	K'kheda Units 1 To 5	4x210 + 1x500	1340
7	Chandrapur Units 3 To 9	2x210 + 5x500	2920
Total Installed Capacity of TPPs			10170
B	Gas Turbine Power Station		
	Uran Gas Turbine.	4x108	432
	W.H.R. Units 1&2	2x120	240
Total Installed Capacity of Gas-based Plants			672
C	Hydro Power Stations		
	Koyna Hydro	St I&II- 4x70 + 4x80, St III- 4x80, St. IV-4x250 & Koyna Dam Foot- 2x18	1956
	Small Hydropower projects		374
	Ghatghar Pump Storage	2x125	250
Total Installed Capacity of Hydel Plants			2580
D	Solar		180
Total Installed Capacity (A+B+C+D)			13602

Source: MAHAGENCO

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



1.2 The Project

The Gare Palma Sector II coal block has been allocated to Maharashtra State Power Generation Company Limited (MAHAGENCO) by Ministry of Coal, Govt. of India for end-use at its own plants in Maharashtra. The Gare Palma Sector II Coal Block spread over an area of 25.83 sq.km (2583.48 ha) is part of the Mand Raigarh Coalfield in Tamnar Tehsil of Raigarh District, Chhattisgarh. The mine lease area is located in the villages of Tihli Rampur, Kunjemura, Gare, Saraitola, Muragaon, Radopali, Pata, Chitwahi, Dholnara, Jhinkabahal, Dolesara, Bhalumura, Sarasmal and Libra. The peak capacity of the mines will be 23.6 MTPA with both opencast (22.0 MTPA) and underground (1.6 MTPA) operations with a mine life of 69 years. The salient features of the project and details of the Mine Lease Area location are given in **Table 1.1**.

The area is covered in the Survey of India Toposheet No. 64 N/8 & 12 (R.F. 1:50,000) and is bounded by the coordinates shown in table below.

Table 2: Site Coordinates

Boundary Point	Latitude	Longitude
A	22° 08' 51.49" N	83° 26' 15.48" E
B	22° 10' 05.17" N	83° 26' 15.43" E
C	22° 10' 49.89" N	83° 27' 26.62" E
D	22° 09' 09.89" N	83° 28' 57.87" E
E	22° 08' 03.77" N	83° 29' 49.27" E
F	22° 06' 24.21" N	83° 31' 12.63" E
G	22° 07' 18.06" N	83° 29' 13.85" E
H	22° 06' 50.05" N	83° 29' 15.31" E

Source: EIA Report and GCPL

The Raigarh - Sundargarh road is 9 km away in south east direction and Ambikapur Highway (SH-1) is 6 km in west direction from Phase-II site. The District headquarter is Raigarh which is aerially about 25 km from the site and the nearest town is Tamnar at a distance of about 4 km to the south. The nearest railway station is also at Raigarh while the nearest airport is Raipur at a distance of 290 km in the south west direction. The inter-state boundary with Odisha is almost adjacent to the block on the eastern side, 10 km to the east. The details of the project site are given in **Table 3**.

Table 3: Project Location

Sl. No.	Aspect	Description
1.	Project	Gare Palma Sector-II Coal Mine Project of 23.60 MTPA of MAHAGENCO, Raigarh District, Chhattisgarh over 2,583 Hectares of Land
2.	Location	
(i)	State	Chhattisgarh
(ii)	District	Raigarh
(iii)	Taluka	Tamnar
(iv)	Villages	Tihli Rampur, Kunjemura, Gare, Saraitola, Muragaon, Radopali, Pata, Chitwahi, Dholnara, Jhinkabahal, Dolesara, Bhalumura, Sarasmal and Libra
(vi)	Latitude	22° 08' 51.49" N to 22° 06' 50.05" N
(vii)	Longitude	83° 26' 15.48" E to 83° 29' 15.31" E
3.	Distance	
(i)	Nearest Town	Tamnar, 4 km, S
(ii)	District Headquarters	Raigarh, 25 km, S
(iii)	Major Roads	Raigarh-Ambikapur Highway (SH-1), 6 km, W Raigarh-Gharghoda Road via Tamnar

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Table 3: Project Location

Sl. No.	Aspect	Description
(iv)	Railway Station	Raigarh, 25 km, S
(v)	Airport	Raipur, 290 km, SW

1.3 The Study

The implementation of the project would benefit to the project area, state and central in terms of revenue. The project affected families/displaced families are required to be resettled nearest to the project area or in the same village if partially affected and are resettled as per the provision of The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (RFCTLARR Act, 2013) as well as Chhattisgarh State R&R Policy. Therefore, there is need for a detailed Socio-Economic Survey of the affected households and identification of the households eligible for resettlement and rehabilitation as per the said act/policy leading to formulation of a detailed resettlement and rehabilitation action plan for the project affected families.

The present report gives the details of the R&R Plan and Entitlement Framework, based on which the R&R cost have been prepared. In this regard, the detailed socio-economic/ household survey in the affected villages has been carried out by Greencindia Consulting Private Limited, Ghaziabad.

1.4 Definitions

The relevant definitions as per the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (RFCTLARR Act, 2013) for formulation of R&R plan for project affected families are given below.

Affected Area: Such areas that is notified by the appropriate government for purpose of land acquisition. The area for this particular projects include 14 villages which are fully or partially affected.

Project Affected Families (PAFs): The Project Affected Families are the persons who are affected by:

- Acquisition causes loss of land or other immovable properties;
- Family who does not own any land but member of the family may be agricultural labours, tenants, share-croppers, artisans and is working in the area for more than 3 years and their primary livelihood is affected;
- Scheduled Tribes/other traditional forest dwellers who have lost their forest right under FRA 2006 due to land acquisition;
- Any family who would be losing primary livelihood due to acquisition of water-bodies, forests such as gatherers of forest produce, hunters, fishermen, boatmen, etc and who have been dependent on the livelihood source in the same area for more than 3 years; and
- Member of the family who have been assigned land under any government schemes, both state and central government.

Family: includes a person, his or her spouse, minor children, minor brothers or sisters dependent on him. Every major son/ daughter of a displaced family who has become major on the date of notification, will be considered a separate family. Also an unmarried daughter above the age of 18 years and a deserted women/widow will also be considered to be a separate household.

Project Displaced Family: any family, who on account of acquisition of land has to be relocated and resettled from the affected area to the resettlement area.

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Holding of land means the total land held by a person as an owner, occupant or tenant or otherwise.

Land-owners: includes any person whose name is recorded as the owner of the land or building or part thereof, in the records of the concerned authority or any person who is granted forest right under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights Act 2006) or who is entitled to be granted patta rights on the land under any law of the state or any person who has been declared as such by an order of the court or authority.

Marginal Farmers: means a cultivator with an un-irrigated land-holding upto one hectare or irrigated land upto half hectare.

Small Farmers: means a cultivator with an un-irrigated land-holding upto two hectare or irrigated land upto one hectare but more than holding of marginal farmers.

Market Values: means the value of land determined by the Collector as per market value specified in the India Stamps Act 1899 for registration of sales deed where the land is situated or average price of land in the neighbouring villages or consented amount as agreed upon for private companies or Public - Private partnership.

2. SOCIO-ECONOMIC IMPACT

The socio-economic survey indicated that the people ousted/displaced/affected due to the proposed Gare Palma Sector-II Coal Mine project could be classified into four categories as summarized below:

- 1) Families losing house and homestead land due to land acquisition;
- 2) Families losing both land & house/homestead land;
- 3) Families losing only land under the project;
- 4) Families losing their source of income as they are dependent on affected families, those dependent for livelihood upon diverted forest land or are living on land provided as a patta by Revenue Department, Government of Chhattisgarh.

Based on the socio-economic survey conducted in the affected villages, a detailed Rehabilitation and Resettlement Plan was designed suggesting the line of action for implementation, monitoring and evaluation of the Resettlement and Rehabilitation Programme.

2.1 Aims and Objectives

The socio-economic survey at both village and house-hold level was carried out with the following objectives so as to fulfill the aims set for their study;

- a) To obtain the details of houses coming including homestead area under the proposed coal block;
- b) To obtain various socio-economic details of the affected persons such as demographic particulars, resource base including houses, land other immovable and movable assets, liabilities and income generated by other sources.
- c) To determine the nature of problems faced by displaced persons including their socio-economic problems, the breaking up/damage to their production systems, cultural heritage, etc.
- d) To asses and delineate a detailed plan for the establishment of new colony for housing the displaced indicating the places for settlement of such affected persons and the buildup of the basic amenities and infrastructure, and
- e) To assess the resources base of the project affected villages including availability of Government land for rehabilitation, economic opportunities arising in agriculture, business, industrial or Service sectors or other avenues due to implementation of the project.

2.2 List of Affected Villages

There are fourteen (14) villages with separate hamlets (*padas*) in Tamnar Tehsil coming under the project. The list of the villages are as given in **Table 4**.

Table 4: Project Affected Villages with Hamlets (*Padas*)

Sl. No.	Gram Panchayat	Village	Para/Hamlet	Remark
1	Chitwahi	Chitwahi	School Para	Partially Land affected, No household/hamlet displaced by Proposed Project
			Chauhan Para	
			Sav Para	
			Sidar Para	
			Sidar Para Purva	
			Sidar Para Pashchim	
			Sidar Para Dakshin	
Chouk Para				

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Sl. No.	Gram Panchayat	Village	Para/Hamlet	Remark
2	Bajarmuda	Dholnara	Aavas Para	All Hamlet displaced by Proposed Project
			Dakshin Para	
			Purva Para	
			Bardipa	
3	Dolesera	Dolesera	Paenkra Para Pashchim	Partially Land affected, No household/hamlet displaced by Proposed Project
			Paenkra Para Purva	
			Chauhan Para Purva	
			Satnami Para	
			Patel Para Purva	
			Patel Para Pashchim	
			Kumhar Para	
			Urav Para	
			Chauhan Para Pashchim	
			Kolta Para	
Paenkra Para Madhya				
4	Gare	Gare	Kalar Para	All Hamlet displaced by Proposed Project
			Sidar Para	
			Kanwar Para	
			Sadak Para	
			Aghariya Para Purva	
			Aghariya Para Pashchim	
			Darri Para Purva	
Darri Para Pashchim				
5	Jhinkabhal	Jhinkabhal	Aghariya Para	Partially Land affected, No household/hamlet displaced by Proposed Project
			Manjha Para	
			School Para	
			Sodhi Para	
			Aavas Para	
Dipa Para				
6	Kunjemura	Kunjemura	Aavas Para	All Hamlet displaced by Proposed Project
			Urav Para Pashchim	
			Urav Para Dakshin	
			Ghashiya Para	
			Nishad Para	
			Sidar Para Uttar	
			Sidar Para Dakshin	
			Nisad Para Pashchim	
			Behra Para	
			Hunkra Dipa Pashchim	
Hunkra Dipa Purva				
7	Libra	Libra	Pathan Dipa Uttar	Partially Land affected, Only Kudripara Hamlet displaced by Proposed
			Pathan Dipa Dakshin	
			Kudhri Para	

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Sl. No.	Gram Panchayat	Village	Para/Hamlet	Remark
			Kanwar Para Dakshin	Projects
			Kanwar Para Uttar	
			Rawat Para	
			Sidar Para Uttar	
			Chauhan Para	
			Chaudhri Para	
			Dhobi Para	
			Sodhi Para	
			Sidar Para Dakshin	
8	Saraitola	Mudagaon	Phiting Para	All Hamlet displaced by Proposed Project
			Sidar Para	
			Aghariya Para	
			Manjhi Para	
			Aavas Muhalla	
9	Pata	Pata	Bandhapali Uttar	All Hamlet displaced by Proposed Project
			Bandhapali Purva	
			Gautiya Par	
			Kanwar Para	
			Bandhapali Pashchim	
			Kotvar Muhlla	
			Aavash Para	
			Sidar Para	
			Kevta Para	
			Ganda Para	
			Teli Para	
			Aavash Muhlla	
10	Rodopali	Rodopali	Chauhan Para Dakshin	All Hamlet displaced by Proposed Project
			Rathiya Para Pashchim	
			Rathiya Para Purva	
			Bade Sidar Para	
			Rathiya Basti	
			Dehri Basti	
11	Sarasmal	Sarasmal	Manjha Para Pashchim	Partially Land affected, No household/hamlet displaced by Proposed Project
			Manjhi Para Purva	
			Khalhe Para	
			Manjhi Para	
			Kanwar Para	
			Upur Para	
12	Saraitola	Sraitola	Indira Aavas Pashchim	All Hamlet displaced by Proposed Project
			Indira Aavas Purva	
			Kanwar Para Purva	
			Ganda Para	
			Kanwar Para Pashchim	

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Sl. No.	Gram Panchayat	Village	Para/Hamlet	Remark
			Madhy Para	
13	Tihlirampur	Tihlirampur	Tihlirampur Uttar	All Hamlet displaced by Proposed Project
			Tihlirampur Purva	
			Tihlirampur Madhy	
			Urja Nagar	
			Urav Para	
14	Rodopali	Bhalumuda	Manjhi Para	Partially Land affected, No household/hamlet displaced by Proposed Project
			Kanwar Para	
			Bade Sidar Para	
			Rathiya Basti	

Source: Primary Survey & Consultation using PRA Technique by Greencindia Consulting Private Limited, 2016-17

2.3 Land Distribution

A total of 2583.487 hectare of land is required for the proposed project in 14 villages of Raigarh District. The land acquired under various categories was assessed and categorized into revenue land which includes private land (tribal and non-tribal) and government and revenue forest land. Forest lands (Protected Forests) have also been identified. Compensation for lands to be acquired will be as per the LARR Act 2013.

Table 5: Village Wise Land Classification (in Ha)

S. No	Village	Private (Ha.)		Revenue Land Ha.			Total Govt Land	Forest Land (RF/PF/OF)	Total Land
		Non Tribal land	Tribal land	Revenue Forest	Township/ Settlement	Other Govt. Land			
1	Bhalamuda	4.496	15.873	1.214	0.000	2.075	3.289	0.000	23.658
2	Chitwahi	54.839	88.735	0.000	7.944	8.739	16.683	0.000	160.257
3	Dolesera	10.634	3.389	0.000	0.000	7.138	7.138	0.000	21.161
4	Dholnara	27.140	25.398	8.139	5.908	10.219	24.266	2.183	78.987
5	Gare	47.738	116.539	2.159	10.474	11.087	23.72	0.000	187.997
6	Jhinkabahal	0.322	1.113	0.000	0.000	0.026	0.026	7.612	9.073
7	Libra	65.801	63.445	13.216	3.006	1.657	17.879	0.000	147.125
8	Rodopali	150.308	192.565	0.125	17.632	32.017	49.774	0.000	392.647
9	Tihlirampur	106.733	41.917	0.000	1.170	75.027	76.197	0.000	224.847
10	Saarsmaal	33.141	42.808	15.887	0.000	3.706	19.593	0.000	95.542
11	Mudagoan	121.220	181.648	8.216	8.256	7.277	23.749	48.515	375.132
12	Saraitola	40.433	118.295	18.729	8.597	8.839	36.165	11.533	206.426
13	Pata	220.507	105.046	17.259	12.909	16.328	46.496	29.892	401.941
14	Kunjemura	104.193	93.342	30.190	14.432	16.537	61.159	0.000	258.694
Total		987.505	1090.113	115.134	90.328	200.672	406.134	99.735	2583.487

Source: As per record of Revenue Department, Tamnar Tehsil, Raigarh District, Chhattisgarh

2.4 Extent of Displaced and Affected Population

Project Displaced Households

- **Land & Home Oustees:** The households who are losing their house as well as land for the project. The livelihoods of these households are also lost. Therefore they are categorized as Project Displaced Households. The total households losing their land as well as homestead are 1159.

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



- **Home Oustees:** The households who are losing their house for the project are also categorized as Project Displaced Households. It is estimated that about 1086 households are losing only their homestead and no lands.

Project Affected Households

- **Land Oustees:** The households who are only losing land for the project and are living in villages not affected/ impacted by the project. Therefore, their houses are not relocated. These HHs are categorized as Project Affected Households. It is calculated that about 674 households are losing only their lands.

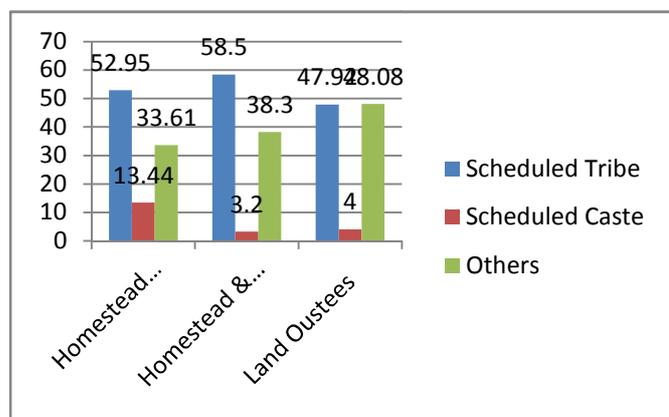
Table 6: Project Displaced & Affected HHs

Sl. No.	Name of Villages	Displaced HHs			Affected HHs
		Home Oustees	House & Land Oustees	Total	Land Oustees
		Total	Total		Total
1	Saraitola	56	124	180	11
2	Mudagaon	52	109	161	26
3	Dholnara	66	80	146	15
4	Rodopali	66	127	193	38
5	Libra	40	34	74	87
6	Tehlirampur	38	100	138	9
7	Gare	217	111	328	12
8	Kunjemura	249	203	452	43
9	Pata	302	271	573	34
10	Chitwahi	0	0	0	214
11	Sarasmal	0	0	0	39
12	Bhalumuda	0	0	0	64
13	Jinkabhal	0	0	0	18
14	Dolesara	0	0	0	64
Total		1086	1159	2245	674

Source: Primary Survey, Greencindia Consulting Private Limited 2017

2.5 Social Distribution of Displaced Population

The total project displaced and affected households are 2245 and 674 respectively with a population of 7063 and 2574. Out of this, it was found that 55.81% displaced households and 47.92% affected households are Schedule Tribes. The proportion of Scheduled Castes in the area was found to be low. Detailed description of caste wise distribution are described below in **Tables 7, 8 & 9** and represented in the figure given alongside.



Social Groups of Affected/Displaced Population

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Table 7: Caste-wise Distribution of Project Displaced Households

SI No	Name of Villages	Home Ousteers				House & Land Ousteers				Total
		ST	SC	Other	Total	ST	SC	Other	Total	
1	Saraitola	47	5	4	56	94	7	23	124	180
2	Mudagaon	38	1	13	52	72	3	34	109	161
3	Dholnara	43	8	15	66	57	0	23	80	146
4	Rodopali	41	5	20	66	101	1	25	127	193
5	Libra	26	0	14	40	31	0	3	34	74
6	Tehlirampur	22	0	16	38	48	0	52	100	138
7	Gare	140	17	60	217	76	6	29	111	328
8	Kunjemura	98	47	104	249	95	16	92	203	452
9	Pata	120	63	119	302	104	4	163	271	573
Total		575	146	365	1086	678	37	444	1159	2245

Source: Primary Survey, Greencindia Consulting Private Limited 2017

Table 8: Caste wise distribution of Project Affected Households

Sl. No.	Name of Villages	Affected HHs			
		Scheduled Tribe	Scheduled Castes	Other	Total
1	Saraitola	1	1	9	11
2	Mudagaon	22	2	2	26
3	Dholnara	3	2	10	15
4	Rodopali	12	2	24	38
5	Libra	47	0	40	87
6	Tehlirampur	5	0	4	9
7	Gare	2	2	8	12
8	Kunjemura	8	3	32	43
9	Pata	11	0	23	34
10	Chitwahi	114	3	97	214
11	Sarasmal	30	2	7	39
12	Bhalumuda	55	2	7	64
13	Jinkabhal	4	3	11	18
14	Dolesara	9	5	50	64
Total		323	27	324	674

Source: Primary Survey, Greencindia Consulting Private Limited 2017

Table 9: Caste wise distribution of Project Displaced & Affected HHs (%)

Sl. No.	Name of Villages	Displaced HHs				Affected HHs	
		Home ousteers		Home & Land ousteers		Land ousteers	
		ST	SC	ST	SC	ST	SC
1	Saraitola	83.93	8.93	75.81	5.65	9.09	9.09
2	Mudagaon	73.08	1.92	66.06	2.75	84.62	7.69
3	Dholnara	65.15	12.12	71.25	0.00	20.00	13.33
4	Rodopali	62.12	7.58	79.53	0.79	31.58	5.26
5	Libra	65.00	0.00	91.18	0.00	54.02	0.00
6	Tehlirampur	57.89	0.00	48.00	0.00	55.56	0.00

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Sl. No.	Name of Villages	Displaced HHs				Affected HHs	
		Home oustees		Home & Land oustees		Land oustees	
		ST	SC	ST	SC	ST	SC
7	Gare	64.52	7.83	68.47	5.41	16.67	16.67
8	Kunjemura	39.36	18.88	46.80	7.88	18.60	6.98
9	Pata	39.74	20.86	38.38	1.48	32.35	0.00
10	Chitwahi	0.00	0.00	0.00	0.00	53.27	1.40
11	Sarasmal	0.00	0.00	0.00	0.00	76.92	5.13
12	Bhalumuda	0.00	0.00	0.00	0.00	85.94	3.13
13	Jinkabhal	0.00	0.00	0.00	0.00	22.22	16.67
14	Dolesara	0.00	0.00	0.00	0.00	14.06	7.81
Total		52.95	13.44	58.50	3.19	47.92	4.01

Source: Primary Survey, Greencindia Consulting Private Limited 2017

2.6 Loss of Common Resources

2.6.1 Water Source

Table 10 shows the number of water resources affected by the project. Among the private water sources, tube-wells are maximum affected while among the government property, it is water tanks constructed by Gram Panchayats which is maximum affected.

Table 10: Number of Water Resources Affected by Project

Sl. No	Name of Village	Well	Hand Pump	Pond	Tube Well	Panchayat Water Tank
1	Jinkabhal	5	6	7	0	6
2	Libra	8	4	10	0	12
3	Dolesera	0	4	7	0	5
4	Tehli Rampur	0	4	1	0	8
5	Bhalumuda	1	0	3	0	3
6	Rodopali	1	2	5	7	8
7	Chitwahi	25	6	4	0	7
8	Dholnara	12	0	1	20	8
9	Mudagaon	2	5	5	10	5
10	Saraitola	25	3	3	10	4
11	Pata	1	30	2	0	8
12	Kunjemura	1	35	4	0	5
13	Gare	2	4	6	0	4
14	Sarasmal	1	5	2	0	5
		84	108	60	47	88

Source: Primary Survey, Greencindia Consulting Private Limited 2017

2.6.2 Common Property Resource

In addition to the private properties/structures and land, there are government properties/structures which are also affected by the project. They include common property resources such as grazing grounds, places of worship, burial grounds, crematoriums, etc. Other than these, there are government structures such as school buildings, hospitals, office buildings, etc. Table 11 gives details of the properties to be affected by the project.

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH

**Table 11: Common Properties**

SI No	Village	Grazing Land	Muktidham /Kabristan	Religious Places
1	Libra	1	0	5
2	Kunjemura	0	0	3
3	Pata	1	0	2
4	Tehli Rampur	0	1	3
5	Rodopali	0	0	2
6	Dholnara	0	0	2
7	Mudagaon	0	0	1
8	Saraitola	0	0	0
9	Gare	0	0	3
	Total	2	1	21

Source: Primary Survey, Greencindia Consulting Private Limited 2017

It was estimated that about 16 schools, 18 Anganwadi Centres, 15 community halls/barat ghar getting affected and needs to be shifted. There is also the colony of Jindal Steel & Power Limited along with a private school which needs to be displaced. The details of all the affected government structures are given in **Table 12** below.

Table 12: Affected Government Structures

SI No	Village	Post Office	Panchayat Bhawan	Community Hall or Barat Ghar	Health Centre	School	Aganwadi Centre
1	Libra	1	1	1	1	2	2
2	Kunjemura	-	1	3	1	3	3
3	Pata	-	1	2	1	2	2
4	Tehli Rampur	-	1	1	-	1	1
5	Rodopali	-	1	2	1	2	2
6	Dholnara	-	0	1	-	1	1
7	Mudagaon	-	1	1	1	1	2
8	Saraitola	1	1	1	1	2	2
9	Gare	1	1	3	1	2	3
	Total	3	8	15	7	16	18

Source: Primary Survey, Greencindia Consulting Private Limited 2017

2.6.3 Trees

In the affected area both woody and fruit bearing trees are affected. Table 13 shows the detail description of trees that are affected on the private properties and are required to be felled and compensation given to the owners.

Table 13: Estimation of Affected Trees

SI No	Name of village	Fruit Bearing Tree	Woody tree	Total
1	Chitwahi	158	1	159
2	Mudagaon	691	1	692
3	Dholnara	1422	71	1493
4	Rodopali	533	36	569

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



SI No	Name of village	Fruit Bearing Tree	Woody tree	Total
5	Sarasmal	185	25	210
6	Pata	414	14	428
7	Dolesara	61	2	63
8	Tehlirampur	253	1	254
9	Bhalumuda	143	3	146
10	Saraitola	419	1	420
11	Libra	240	5	245
12	Jinkabhal	77	0	77
13	Gare	355	8	363
14	Kunjemura	438	9	447
Total		5389	177	5566

Source: Primary Survey, GreenC India Consulting Private Limited 2017

2.6.4 Housing Typology

Survey was also done to ascertain number of housing units to be displaced by the project. It was found that 1889 Kuchha houses, 121 pucca houses and 235 semi pucca houses will be displaced by the project. Village wise and type-wise details are described below in **Table 14**.

Table 14: Housing Typology of Displaced HHs

SI No	Name of village	Type of Household (Project Displaced Household)			Total
		Pucca	Kuchha	Pucca & Kuchha	
1	Mudagaon	10	135	16	161
2	Dholnara	12	119	15	146
3	Rodopali	11	174	8	193
4	Pata	54	396	123	573
5	Tehlirampur	12	110	16	138
6	Saraitola	8	162	10	180
7	Libra	2	64	8	74
8	Gare	3	308	17	328
9	Kunjemura	9	421	22	452
Total		121	1889	235	2245

Source: Primary Survey, Greencindia Consulting Private Limited 2017

2.7 Occupation Structure

The total Project displaced and affected families are likely to lose their livelihood as they derive their livelihood mainly from agricultural activities. In comparison, major share of families losing livelihood are cultivators. Rice was found to be major crop of these areas. The cultivators are also found to be gram, kodo-kutki and wheat. The maize, urad, niger, soybean, arhar, mustard, kulthi, alsi, groundnut, til, masoor, pea, moong, jowar and sunflower are also grown in small proportion by the cultivators in these area. A major share of people were found to work as non-agricultural workers in neighbouring areas. **Table 15** shows the occupational structure of the project displaced and affected peoples.

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH

**Table 15: Occupation Structure of Affected Households**

Sl No	Name of Village	Agriculture	Agricultural Labor	Non-Agriculture Labor	Traditional Trade like Handicraft	Govt Job	Outside from village	Pvt. Job
1	Saraitola	85	4	2	0	2	0	1
2	Mudagaon	107	8	65	0	1	0	6
3	Dholnara	92	4	51	1	3	0	8
4	Rodopali	122	15	73	1	6	1	11
5	Libra	58	29	56	1	6	0	8
6	Tehlirampur	50	23	64	1	1	0	4
7	Gare	241	2	89	0	0	1	7
8	Kunjemura	198	14	272	1	0	0	10
9	Pata	312	11	268	2	0	0	14
10	Chitwahi	131	2	71	0	1	5	4
11	Sarasmal	26	0	12	0	1	0	0
12	Bhalumuda	46	0	18	0	0	0	0
13	Jinkabhal	8	3	3	0	3	0	1
14	Dolesara	59	0	4	0	1	0	0
Total		1535	115	1048	7	25	7	70


Addl. Executive Engineer (Mining)
 Garepalma Sector-II Coalmine,
 M.S.P.G.C.L., Raigarh (C.G.) .

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK
TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



3. COMPREHENSIVE R&R PLAN AND ENTITLEMENT FRAMEWORK

The comprehensive entitlement framework for the proposed project is formulated including the best of the provisions of The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (LARR Act, 2013) as well as Chhattisgarh State R&R Policy. The provisions of the project R&R policy are given below.

A. The First Schedule: Compensation for Land Owners

The minimum compensation to be given to land-oustees whose land is being acquired or tenants would be provided under the following pattern.

Table 16: Compensation for Land Owners

SI No	Component of Compensation Package	Manner of Determination of Value
1	Market value of land	The market value will be determined by the Collector. The value will be determined by the average sale price for similar types of land situated in the village or nearby villages during the last three years. The date of determination of value will be the date of notification under Section 11 of LARR 2013.
2	Multiplication factor on market value	Maximum by a factor of 1 in rural areas, depending on distance from urban area and as notified by appropriate authority. (As per directive through notification of Chhattisgarh Govt. the multiplication factor will be 1 for all regions)
3	Assets attached to the land or building	<ul style="list-style-type: none">• Values of building attached to land is determined by qualified engineer/PWD on request of Collector• Values of trees are determined by experienced persons in field of agriculture, sericulture, forestry or Forest Department on request of Collector• Values of standing crops are determined by experienced persons in field of agriculture on request of Collector
4	Solatium	Equivalent to 100% of the market value (1) of land plus the factor in (2) plus the value of assets as decided by the Collector.
5	Final award in rural areas	Market value of land (1) + asset values (3) + solatium of 100% (4)

Estimated Land Cost for the Project

Table 17: Land Cost

Tenancy Land	Quantity	Rate	Rs. In lakhs
Market Value of Private land	2077.62 ha	Rs. 25 lakh /ha	51940.5
Factor for Rural land	1 time the market value	Rs. 25 lakh /ha	51940.5
Compensation of buildings on land	10% of land value		5194.05
Total Land Compensation (A)			57134.55
Compensation for fruit bearing trees	5389	6000	323.34
Compensation for woody trees	177	4000	7.08
Compensation for wells	84	40000	33.6
Compensation for hand-pumps/tube-wells	155	100000	155
Compensation for Assets on land (B)			519.02

Prepared & Submitted by: Maharashtra State Power Generation Co Ltd (MAHAGENCO)

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



Tenancy Land	Quantity	Rate	Rs. In lakhs
Total land compensation (C = A+B)			57653.57
Solatium @ 100% (D)			57653.57
Total Tenancy Land compensation (E = C+D)			115307.14
Government Land (F)	200.672	Rs. 10 lakh /ha	2006.72
Protected Forest Land (G)	99.735	Rs. 9.39 lakh /ha	936.51165
Revenue Forest (Chota Bada Jungle) (H)	115.134	Rs. 7.30 lakh /ha	840.4782
Land for R&R Colony (I)	90.328	Rs. 17 lakh /ha	1535.576
Land for Compensatory Afforestation (J)	214.869	Rs. 5 lakh /ha	1074.345
Grand Total			121700.8

This cost excludes affected families under FRA

It is to be noted that the R&R entitlement and cost will be finalized by the District Administration.

B. The Second Schedule: R&R Entitlements

These entitlements are for all affected families (displaced and land losers).

Table 18: R&R Compensation Cost

Sl. No.	Particulars	Nos.	Rate in Rs.	Amount in Rs. Lakhs
1	One time assistance for house construction	3296	576000	18984.96
2	Choice of annuity or employment	4194	500000	20970
3	Subsistence allowance @ Rs.3000 for 12 months/PDF	3296	36000	1186.56
4	Additional one time assistance for SC/ST families	2585	50000	1292.5
5	Transportation cost for shifting of family	3296	50000	1648
6	One time resettlement allowance	3296	50000	1648
7	Compensation for cattle shed/ petty shops	919	25000	229.75
8	One time grant artisan, small traders and certain other	117	25000	29.25
9	Stamp duty @ 7.5% and registration fee @1% for land & house to the PAFs			130.52
TOTAL				46119.54

It is to be noted that the R&R entitlement and cost will be finalized by the District Administration.

C. THE THIRD SCHEDULE: PROVISION OF COMMUNITY AMENITIES & COST OF R&R COLONY

For resettlement of populations, the following infrastructural facilities and basic minimum amenities are to be provided at the cost of the Requisitioning Authority to ensure that the resettled population in the new village or colony can secure for themselves a reasonable standard of community life and can attempt to minimize the trauma involved in displacement.

A reasonably habitable and planned settlement would have, as a minimum, the following facilities and resources, as appropriate:

- **Component of infrastructure amenities/proposed to be provided by the acquirer of land***
 - Roads within the resettled villages and an all-weather road link to the nearest pucca road, passages and easement rights for all the resettled families are adequately arranged.
 - Proper drainage as well as sanitation plans executed before physical resettlement.
 - One or more assured sources of safe drinking water for each family as per the norms prescribed by the Government of India.

R&R PLAN AND ENTITLEMENT FRAMEWORK

GARE PALMA SECTOR-II COAL BLOCK

TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH



- Provision of drinking water for cattle.
 - Grazing land as per proportion acceptable in the State.
 - A reasonable number of Fair Price Shops.
 - Panchayat Ghars, as appropriate.
 - Village level Post Offices, as appropriate, with facilities for opening saving accounts.
 - Appropriate seed-cum fertilizer storage facility if needed.
 - Efforts must be made to provide basic irrigation facilities to the agricultural land allocated to the resettled families if not from the irrigation project, then by developing a cooperative or under some Government scheme or special assistance.
 - All new villages established for resettlement of the displaced persons shall be provided with suitable transport facility which must include public transport facilities through local bus services with the nearby growth centers/urban localities.
 - Burial or cremation ground, depending on the caste-communities at the site and their practices.
 - Facilities for sanitation, including individual toilet points.
 - Individual single electric connections (or connection through non-conventional sources of energy like solar energy), for each household and for public lighting.
 - Anganwadi's providing child and mother supplemental nutritional services.
 - School as per the provisions of the Right of Children to Free and Compulsory Education Act, 2009 (35 of 2009).
 - Sub-health center within two kilometer range.
 - Primary Health Centre as prescribed by the Government of India.
 - Playground for children.
 - One community center for every hundred families.
 - Places of worship and chowpal/tree platform for every fifty families for community assembly, of numbers and dimensions consonant with the affected area.
 - Separate land must be earmarked for traditional tribal institutions.
 - The forest dweller families must be provided, where possible, with their forest rights on non-timber forest produce and common property resources, if available close to the new place of settlement and, in case any such family can continue their access or entry to such forest or common property in the area close to the place of eviction, they must continue to enjoy their earlier rights to the aforesaid sources of livelihood.
 - Appropriate security arrangements must be provided for the settlement, if needed.
 - Veterinary service center as per norms.
- MAHAGENCO will provide financial assistance as a pension to the affected persons/populations whose above 60 years old (male & female) as decided by the District Administrative and under the State Government Policy.

Table 19: Colony and Infrastructure Cost

Particulars	Cost in Rs. lakhs.
[I] Residential House in R&R colony	
Residential Building -Load Bearing Structure House (50 Sqmt DU) - 3208 Nos. each costing Rs. 5,76,000/-	18984.96
Total (I)	18984.96
[II] Infrastructural facilities for R&R Colony	

R&R PLAN AND ENTITLEMENT FRAMEWORK**GARE PALMA SECTOR-II COAL BLOCK****TAMNAR TEHSIL, RAIGARH DISTRICT, CHHATTISGARH**

Particulars	Cost in Rs. lakhs.
Primary School	130.28
Anganwadi/ Nursery with ground.	24.62
Panchayat Ghar-above Market Block	34.88
Market Block -I (including Bank, Post office & PDS)	34.88
Hospital	148.75
Community Centre/tribal centre/Club	111.82
Market Block- II (Shops)	49.24
Veterinary Clinic	12.31
Total (II)	546.77
(III) Bulk Services	
3m high Township boundary wall with Gate	234.25
1.5m high compound walls with gate	77.05
RCC Roads	1874.99
Storm water Drainage System	231.16
UG Tank (600 Cum)	35.96
OH Tank (400 Cum)	102.74
Sewage Treatment Plant 500 cum/day capacity	308.22
External Electrification system including street lighting	0.00
LT substation equipment with distribution system two 11 KV / 430 Volt , 500 KVA transformers along with switch gears, cables and other accessories including civil works.	41.10
Fan in all Residential & Public Building	25.68
Water Treatment Plant (900 Cum/d)	36.99
Constructing Bore-well with pump house.	51.37
Landscaping & Horticulture	25.68
Total (III)	3045.19
Misc. Expenditure not covered in above (IV)	103.00
Escalation/contingencies (V)	636.00
Total R & R Infrastructure colony cost (II + III + IV + V)	4330.96

The total cost calculated for the project for land and R&R cost as per the First, Second and Third Schedule of RFCTLARR ACT, 2013 is given below.

Table 20: Total R&R and Land Cost

SI No	Schedule	Cost in Rs. lakhs
1	First Schedule	121700.8
2	Second Schedule	46119.54
3	Third Schedule	4330.96
	Total	172151.30

4. PROPOSED CSR ACTIVITIES

As part of the social responsibility of MAHAGENCO towards the stakeholders in particular and society at large, development activities have to be undertaken in the villages within the 10-km radius area around the proposed project. The development activities will be planned as per the need of the area as expressed by various stake-holders. The broad development areas to be covered will include health services, educational improvement, livelihood development, skill development, cultural enhancement and infrastructure development. A preliminary interaction was conducted in all the impact villages to understand the need of the villagers. Based on that, a basic activity chart has been proposed for determining the CSR activities to be carried out by MAHAGENCO.

Table 21: CSR Activities

SI No	Broad Objectives	Activities Proposed
1	Health	Upgrading local health centers
		Mobile Health Units(2)
		Health Awareness camp
		Specialized health awareness camp
		Assistance to poor patients for treatment
		Clean drinking water supply to neighboring villages in summer
		Immunization camps for children and pregnant women
		Upgrading and Staffing of Anganwadi centres
2	Skill And Entrepreneurship Development	Upgradation of local ITI at Gharghora and introduction of New trades for providing training to youth
		Training to local women and traditional craftsman through SHGs
3	Livelihood Development & increase in farmers productivity	Farmer's training in recent crop specific training on cultivation, harvesting and marketing
		Training in organic farming, preparation and use of natural, pesticides, insecticides
		Formation of farmers clubs and their federation for collective farming, marketing and management
		Training for water and soil conservation measures to farmers.
		Formation of Women SHGs in all 20 villages and strengthen the existing groups.
4	Infrastructure Development	Construction of pucca approach road,
		Construction of drains, soak pits etc.
		Promotion and installation of Solar lights in villages
		Setting up of village library
		Development of small water harvesting structures such as anicuts
		Deepening of ponds.
		Construction of market platforms
		Construction of toilets in schools/community halls
5	Improvement in Education Status	Upgrading of Local Schools and providing books and stationary
		Provision of computers in schools
		Scholarship to needy students
6	Sports Promotion	Promotion and sponsoring of various sports activities