



**ROAD MAP**

**FOR**

**ENHANCEMENT OF COAL PRODUCTION**

**&**

**ACHIEVING 62 MT COAL PRODUCTION**

**IN**

**2019-20**

# SUMMARY OF GROUP WISE PRODUCTION & GROWTH

Figure in MT

GROUP	TYPE	2014-15	2015-16 (BE)	2016-17	2017-18	2018-19	2019-20	GROWTH OVER 2014-15
		ACTUAL	Projection					
Exsiting Mines	UG	2.761	2.673	2.45	2.19	2.19	1.98	-0.781
	OC	4.119	3.980	5.40	8.31	7.80	8.53	4.411
	Total	6.880	6.653	7.85	10.50	9.99	10.51	3.630
Completed Projects	UG	3.362	3.397	3.19	2.98	2.68	1.98	-1.382
	OC	2.203	1.670	1.87	1.50	1.60	1.20	-1.003
	Total	5.565	5.067	5.06	4.48	4.28	3.18	-2.385
Ongoing Projects	UG	1.173	1.790	3.17	3.18	3.52	4.65	3.477
	OC	26.395	28.620	30.50	32.00	33.00	32.10	5.705
	Total	27.568	30.410	33.67	35.18	36.52	36.75	9.182
Future Projects/Blocks	UG	0.000	0.000	0.36	0.72	0.82	1.56	1.560
	OC	0.000	0.000	0.00	0.80	4.95	10.00	10.000
	Total	0.000	0.000	0.36	1.52	5.77	11.56	11.560
Grand Total	UG	7.296	7.860	9.17	9.07	9.21	10.17	2.874
	OC	32.717	34.270	37.77	42.61	47.35	51.83	19.113
	Total	40.013	42.130	46.94	51.68	56.56	62.00	21.987

## **YEAR WISE BREAKUP OF PRODUCTION PROJECTION IN RESPECT OF ECL**

An exercise has been carried out to prepare a comprehensive Action Plan /roadmap for achieving a production level of 62 Mt earmarked for ECL by the year 2019-20. ECL has identified the potential units/projects to achieve the desired goal. The year-wise breakup of the production projection in respect of ECL is as below:

**Fig. in MT**

<b>Company</b>	<b>14-15 (BE)</b>	<b>14-15 (Actual)</b>	<b>15-16 (AP)</b>	<b>16-17</b>	<b>17-18</b>	<b>18-19</b>	<b>19-20</b>	<b>Growth over 14-15 in 19-20</b>
ECL	38.00	40.013	42.13	46.94	51.68	56.56	62.00	21.987


## GROWTH OF PRODUCTION IN 19-20 OVER ACTUAL PRODUCTION IN 14-15

Figures in Million Tonne


Group	UNDERGROUND				OPENCAST				OVERALL ( UG +OC)			
	No Of Units	No of units in growth /with same production	No of Units where drop in produ ction	Net Growth in Product ion in 19-20 over 14-15	No Of Units	No of units in growt h /with same produ ction	No of Units where drop in produc tion	Net Growth in Product ion in 19-20 over 14-15	No Of Units	No of units in growth /with same product ion	No of Units where drop in producti on	Net Growth in Produc tion in 19-20 over 14-15
Existing Mines	41	11	30	-0.781	31	15	16	4.411	72	26	46	3.630
Completed Project	31	11	20	-1.382	7	1	6	-1.003	38	12	26	-2.385
Ongoing Project	5	4	1	3.477	6	5	1	5.705	11	9	2	9.182
Future Project	6	6		1.56	8	8		10.000	14	14	0	11.56
<b>Total</b>	<b>83</b>	<b>32</b>	<b>51</b>	<b>2.874</b>	<b>52</b>	<b>29</b>	<b>23</b>	<b>19.113</b>	<b>135</b>	<b>61</b>	<b>74</b>	<b>21.987</b>

**It is seen that there is growth in contribution from all the groups for about 21.987 Mt in 2019-20 over the actual production achieved in 14-15. Mine-wise/Project-wise analysis for assessment of growth and drop is as follows:**

- Amongst Existing Mines , Out of 72 units, majority ( 46 units ) have reduction in production contribution , where as in 26 units there is growth in production / same contribution of production in 19-20 over actual production of 14-15. However, there is net growth to the tune of 3.630 Mt in 19-20 over 14-15 mainly because of 15 no of new upcoming hired OC patches .
- Amongst Completed Projects, out of 38 units/mines, majority have reduction in production contribution in 19-20 over 14-15, net drop in production is 2.385 Mt.
- **The net resultant growth from Existing Mines and Completed Project group is 1.245 Mt.**



- Out of 11 Ongoing Projects, 9 Projects have growth in production in 19-20 over actual production of 14-15 and 2 Projects namely Jhanjra 2<sup>nd</sup> set CM has slight negative growth (drop) in production in 19-20 over actual production of 14-15 and Khottadih OCP has negative growth due to exhaustion of reserve. **The net resultant growth in Ongoing Project group is 9.182 Mt in 19-20 over actual production of 14-15.**



- All Future Projects have growth in 19-20 over actual production achieved (NIL) in 14-15. **The net resultant growth from this group is 11.56 Mt in 19-20 .**

## PROJECTS / UNITS WITH GROWTH MORE THAN 0.50 Mt

SL	GROUP	PROJECT	TYPE	14-15 (Actual)	19-20	GROWTH
1	ONG	Sonepur( comb)	OC(D+H)	6.406	11.00	4.594
2	FUT	Hura C	OC(H)	0.00	2.50	2.50
3	FUT	Chuperbhita	OC(H)	0.00	2.50	2.50
4	ONG	Jhanjra L/W R- VI	UG	0.00	1.70	1.70
5	FUT	Simlong OC (extn)	OC(H)	0.00	1.50	1.50
6	EX	Dabor (Ph-III)	OC(H)	0.00	1.28	1.28
7	ONG	New Kenda	OC(H)	0.00	1.20	1.20
8	ONG	Rajmahal Expansion	OC(H)	15.917	17.00	1.083
9	FUT	Itapara OC	OC(H)	0.00	1.00	1.00

## PROJECTS / UNITS WITH GROWTH MORE THAN 0.50 Mt

<b>10</b>	<b>ONG</b>	<b>Khottadih CM</b>	<b>UG</b>	<b>0.00</b>	<b>0.90</b>	<b>0.90</b>
<b>11</b>	ONG	KumardihiB CM	UG	0.00	0.87	0.87
<b>12</b>	FUT	Northsearsole OC	OC(H)	0.00	0.80	0.80
<b>13</b>	EX	Mohanpur OC patch	OC(H)	0.00	0.80	0.80
<b>14</b>	EX	Nirsha OC	OC(H)	0.00	0.80	0.80
<b>15</b>	ONG	Chitra East	OC(D)	1.735	2.50	0.765
<b>16</b>	FUT	Jhanjra Low height CM	UG	0.00	0.72	0.72
<b>17</b>	FUT	Nakrakonda- KumardihiB OC	OC(H)	0.00	0.70	0.70
<b>18</b>	EX	C L Jambad	OC(H)	0.00	0.60	0.60
<b>19</b>	EX	Shankarpur OC Ph-IV	OC(H)	0.00	0.60	0.60




## PROJECTS / UNITS WITH GROWTH MORE THAN 0.50 Mt

<b>20</b>	<b>EX</b>	<b>Lakhimata OC patch</b>	<b>OC(H)</b>	<b>0.00</b>	<b>0.60</b>	<b>0.60</b>
<b>21</b>	EX	Ghusick OC(H)	OC(H)	0.00	0.60	0.60
<b>22</b>	EX	Dalurband OC(H) Ph-III	OC(H)	0.00	0.55	0.55
<b>23</b>	EX	New Kenda Quarry III	OC(H)	0.00	0.50	0.50
<b>24</b>	EX	Bhanora (W)	OC(H)	0.00	0.50	0.50
<b>25</b>	FUT	Madanpur	OC	0.00	0.50	0.50
<b>26</b>	FUT	Chaudhar- Gariapani	OC	0.00	0.50	0.50
		Total		24.058	52.72	28.662



## **MAJOR ACTIVITIES/ ISSUES**

**The major activities/ issues for achieving the envisaged growth are: Preparation of GRs & PRs and their approval of new Blocks under Future Projects along with approval of PR of other Future Projects, Grant of EC, Grant of FC, Land acquisition / possession and associated R&R, Coal evacuation facilities & other activities like finalization of contracts, diversion of Nalla, highways and power lines etc.**



**Activity-wise timeline has also been prepared for achieving the envisaged target. Achievement of these timelines is subject to timely and proper response from multiple extraneous agencies like MoEF, State Govts, Railways, Equipment manufacturers, Power generation & Distribution companies, DGMS, Public Works Dept etc.**

**Details of various issues/ activities involved for achieving the target set in Road Map for 2019-20 are as follows:**

<b>ISSUES</b>	<b>No.</b>
<b>PREPARATION OF GR</b>	<b>4</b>
<b>APPROVAL OF PR/ SCHEME</b>	<b>23</b>
<b>EC</b>	<b>108</b>
<b>FC</b>	<b>14</b>
<b>LAND</b>	<b>51</b>
<b>R&amp;R</b>	<b>7</b>
<b>EVACUATION BY RAIL</b>	<b>10</b>
<b>EVACUATION BY ROAD</b>	<b>1</b>
<b>CHP/SILO</b>	<b>5</b>
<b>NALLAH</b>	<b>1</b>
<b>ROAD DIVERSION</b>	<b>1</b>
<b>POWER LINE</b>	<b>3</b>
<b>EQUIPEMENT/CONTRACT</b>	<b>4</b>
<b>INCLINE DRIVAGE</b>	<b>2</b>
<b>OTHER</b>	<b>1</b>

## PREPARATION OF GR

SL	PROJECT	GRP	Issue	Revised Timeline	Remarks
1	Chaudhar-Gariapani	FUT	GR Prepration	Completed	GR available
2	Dhangajore	FUT	GR Prepration	Mar-17	Drilling under progress
3	Madhukunda	FUT	GR Prepration	Mar-17	Drilling under progress
4	Brahmani/ Chicropastimal	FUT	GR Prepration		<b>Earlier the Block was allocated to CIL, but it is now mentioned in scheduled -1 of Coal Ordinance issued by GOI on 21oct 2014</b>

## APPROVAL OF PR/ SCHEME

SL	PROJECT	Issue	Revised Timeline	Remarks
1	Jhanjra Low height CM	Approval of PR	Aug-15	PR was approved by Coal India Board for Expenditure of Ist year only. As advised by CIL Board a combined PR dovetailing this Project along with PSLW and CM-I and CM-II has been prepared for a capacity of 3.50MTY and is under review.
2	Tilaboni	Approval of PR	Jul-15	Placed before ESC of CIL Board on 8.5.15 and deliberated . Minutes is awaited.
3	Hura-C	Approval of Recast PR	Jul-15	Recast PR has been approved and recommended on April 2015 for placing it to ESC and CIL Board.
4	Nakrakonda - Kumardih- B OC	Approval of PR	Nov-15	PR submitted by CMPDIL. Being processed for approval.

## APPROVAL OF PR/ SCHEME-Contd...

SL	PROJECT	Issue	Revised Timeline	Remarks
5	North Searsole OC	Approval of PR/Scheme	Jun-16	PR is under preparation at CMPDIL.
6	Chaudhar-Gariapani	Approval of PR	Aug-16	PR is under preparation atCMPDIL.
7	Chuperbhita	Approval of PR / UCE	Mar-16	UCE is under preparation
8	Simlong OC ( Extension)	Approval of PR / UCE	Mar-16	UCE is under preparation

## APPROVAL OF PR/ SCHEME-Contd...

SL	PROJECT	Issue	Revised Timeline	Remarks
9	Itapara OC	Approval of PR	Mar-16	Recast PR is under preparation
10	Madanpur	Approval of PR	Dec-16	PR being recast
11	Bakulia	Approval of PR	Dec-16	UCE is under preparation
12	Ghusik UG	Approval of PR	Jun-17	PR being Recast
13	Dhangajore	Approval of PR	Mar-18	GR to be prepared after drilling, which is under progress
14	Madhukunda	Approval of PR	Mar-18	GR to be prepared after drilling, which is under progress
15	Brahmani/ Chicropastimal	Approval of PR		Earlier the Block was allocated to CIL, but it is now mentioned in scheduled -1 of Coal Ordinance issued by GOI on 21oct 2014



## APPROVAL OF PR/ SCHEME-Contd...

<b>SL</b>	<b>PROJECT/ SCHEME</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
16	Bonbohal OC Patch	Approval of Scheme	Completed	Approved by ECL Board on 27.4.2015
17	Gourangdih- Begunia OC patch	Approval of Scheme (UG to OC)	Aug-15	Scheme is under preparation at CMPDIL.
18	CL Jambad OC patch	Approval of Scheme (UG to OC)	Dec-16	Proposal under process



**APPROVAL OF PR/ SCHEME-Contd...**

<b>SL</b>	<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
19	Dalurband Ph-III	Approval of Scheme (UG to OC)	Completed	Approved by ECL Board in Sep2014.
20	Gourangdih Ext OC patch(ph-I) /Gourangdih D Block	Approval of Scheme	Completed	Approved by ECL Board on27.4.2015
21	Bhanora West OC Patch	Approval of Scheme	Oct-15	Scheme being placed before ECL Board on 26.05.2015
22	Lakhimata OC patch	Approval of Scheme (UG to OC)	Sep-16	Proposal under process
23	Ghusick OC patch ( Muslia )	Approval of Scheme	Aug-15	Proposal under process

## ISSUES- FOREST CLEARANCE

SL	PROJECT	Issue	Revised Time line	Remarks
1	Jhanjra 2nd set CM	78.0 Ha, FC Stage -I is under process,	Dec- 15	As directed by FAC on 22-12-14, 3D subsidence plan submitted on 19.2.2015 to MoEF/FAC. FAC again considered the proposal on 30-04-15
2	Jhanjra L/W R-VI	Stage -II Approval for 90.3 Ha.	Dec -16	NPV of Rs 4.80Cr deposited on 20.3.2015 along with compliance of Stage –I . Awaiting for forwarding of compliance of stage-I by WB Forest department

## ISSUES- FOREST CLEARANCE-Contd..

SL	PROJECT	Issue	Revised Time line	Remarks
3	Chitra East	FC Stage-II Clearance for 124.28 Ha.	Mar- 16	<p>Presently proposal is under consideration of MoEFCC for amendment of Point (iv) (ie, for relaxation of providing additional land in case of PSUs ) of stage I condition. The grant of Stage-II clearance involves following steps:</p> <ol style="list-style-type: none"><li>1) Consideration of MoEFCC for amendment of point no (iv) .</li><li>2) Deposit of amount for CA double the CA for degraded Forest land by ECL.</li><li>3) State Govt. to forward the Compliance to MOEFCC for consideration for Stage II clearance</li><li>4) MoEFCC to grant Stage-II clearance.</li></ol>

## ISSUES- FOREST CLEARANCE-Contd..

SL	PROJECT	Issue	Revised Time line	Remarks
4	Hura-C	Stage -II FC for 260 Ha in phase-I.	Oct-16	The proposal/ compliance was returned to ECL on 23.1.2015 for rectification which was resubmitted on 4.2.2015 to DFO, Godda. The same has been forwarded to CF, Dumka on 30.3.2015. It is to be forwarded to MOEFCC by Jharkhand Govt State Forest Department.
5	Jhanjra 2nd set CM	Stage-II Approval	Dec-17	Will be processed after Stage-1 FC approval
6	Simlong OC (Extension)	St-I/II FC for 84.57 Ha.	Mar-17	Gram sabha is being organised. DGPS survey completed . DGPS map is likely to be submitted last week of May, 2015

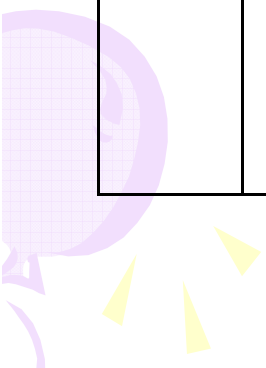
## ISSUES- FOREST CLEARANCE-Contd..

SL	PROJECT	Issue	Revised Time line	Remarks
7	Chuperbhita	St-I/II FC for 260.193 Ha.	Dec-17	Stage-1 FC proposal to be forwarded to MoEF.
8	Sonepur (Comb)	St-I/II FC for 32.65 Ha	Mar-16	REC recommended for stage-1 FC on 05-05-15.
9	Tilaboni	St-I/II FC for 39 Ha	Dec-17	FC application submitted
10	Chaudhar-Gariapani	St-I/II FC	Dec-17	Application will be submitted after approval of PR
11	Itapara OC	St- I FC for 3 HA	Dec-16	FC application submitted



## **ISSUES- FOREST CLEARANCE-Contd..**


<b>SL</b>	<b>PROJECT</b>	<b>Issue</b>	<b>Revised Time line</b>	<b>Remarks</b>
12	Bakulia	St-I/II FC	Mar-18	Will be taken up after approval of PR
13	Dhangajore	St-I/II FC	Mar-19	Will be taken up after preparation & approval of PR
14	Madhukunda	St-I/II FC	Mar-19	Will be taken up after preparation & approval of PR





## **ENVIRONMENTAL CLEARANCE**

EC has been obtained for all mines except the mines under Cluster-4 & Cluster-11

- With regard to Cluster-4, EAC in its meeting held on 15-01-2015 has recommended for EC subject to forest clearance of Itapara OCP.
  - With regard to Cluster-11, as directed by EAC on 19-12-14, Socio-economic study for New Kenda OCP was carried out by ECL, submitted & considered in EAC meeting on 15-05-15. Issuance of EC is awaited.
  - Increase in EC capacity for various mines/projects being taken up under Clause 7.2
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## MAJOR LAND ISSUES

PROJECT	Issue	Revised Timeline	Remarks
Chitra East	Possession of 323 Ha Tenancy Land Legal hand over is stalled due to insistence of signing of DOC	Matter is Sub-judice in High Court and also under consideration at Govt. of Jharkhand	A writ petition has been filed against the proposition of signing of DOC in Honble High Court Ranchi. Discussion also held with Chief Secretary, GoJH on 1.4.2015. It was decided that a separate meeting will be held with Secretary, Land Revenue for amicable settlement. The legal possession of land is urgently required but is under consideration with Jharkhand State Govt. ECL has applied for withdrawal of writ petition after assurance by GoJH for amicable solution of DOC.



## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Khottadih OC	Possession of 56.34 Ha of Govt. land	Mar -17	For 42.83 Ha of Govt. land transfer process completed on 17.02.2015. For remaining 13.51 Ha, Plot information from BL & LRO has not been received. This land is required in 2017-18.
North searsole	Acquisition & Possession of 73.18 acre of Tenancy land & 4.55 acre of Govt. land	For Tenancy land – Mar- 16, For Govt. land July -15	Land is being purchased in phased manner . Till March 2015-34.70 acres of land has been purchased. For 4.55 acre Govt land , application made to DL & LRO , Burdwan for transfer. Valuation of the land is under process.
Chitra East	Acquisition & Possession of 61.78 ha Govt Land	Mar-16	Applied for 78 Ha to DC, Deoghar on 11.6.2011. Request was made to SDO, Madhupur for issuance of demand notice on 9.12.2014. Demand note has been received with valuation of land at commercial rate. A request has been made to DC, Deoghar for valuation of land at Industrial rate.

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Mohanpur Expansion	Acquisition & Possession of 15.38 Ha Tenancy land 13.68 Ha Govt. Land	For Tenancy land Mar-16 and for Govt land July -15	Land is being purchased in a phased manner. Till 2015-30 acre of land has been purchased . For Govt. land valuation completed and sent to LRC, Nabanna / Kolkata.
Mohanpur Expansion	Possession of 38.73 Ha Tenancy land	Mar-16	Land is being purchased in phased manner. Till March 2015-so far 20 acre of land has been purchased.
New Kenda	Acquisition & possession of 148.72 Ha Tenancy Land	Mar-17	Till 31.3.2015 land purchased/ registration completed – 3.19 acre. Further purchase is under process.

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Simlong OC ( Extension)	Acquisition & Possession of 188.69 Ha Tenancy land	Jun-16	
Sarpi Aug	Possession of 91.25 Ha Tenancy Land	Mar-16	
Sonepur (Comb)	Possession of 100 Ha of Tenancy land	Sep-16	
Jhanjra 2nd set CM	Possession of 151 Ha Tenancy land & 7.2 Ha Govt. land.	Dec-15	
Rajmahal Expn	Possession of 100 Ha of Tenancy land & 29.49 Ha Govt Land	Mar-16	

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Nakrakonda-Kumardih-B OC	Acquisition & Possession of 235.39 Ha Tenancy land and 24.37Ha Govt. land	April 16 to March 20	Land in Possession 463.33Ha . Land will be acquired in a phased manner. Final PR prepared .
Sonepur (Comb)	Possession of 35 Ha of Govt. land	Mar-16	
Kumardihi B CM	Possession of 6.13 ha of Tenancy land	Mar 16	
Simlong OC ( Extension)	Acquisition & Possession of 39.96 Ha Govt land.	Jun16	

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Jhanjra L/W R-VI	Possession of 249.76 Ha Tenancy Land	Jun-16	
Chuperbhita	Possession of 1038.145 Ha Tenancy land & 165.095 ha Govt. land	Jun-16	
Sonepur (Comb)	Possession of 100 Ha of Tenancy land	Jul-16	
Rajmahal Expn	Possession of 150 Ha of Tenancy land	Dec-16	

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Itapara OC	Acquisition & Possession of 1128.50 HA Tenancy land & 17 HA Govt land	Dec-16	
North Searsole OC	Acquisition & Possession of 651.57 Ha Tenancy Land & 22.72 Ha Govt land	Mar-17	
Sonepur (Comb)	Possession of 100 Ha of Tenancy land	Jul-17	

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Rajmahal Expn	Possession of 150 Ha of Tenancy land	Dec-17	
Ghusik UG	Acquisition and possession of Tenancy:land of 675 Ha	Dec-17	
Mohanpur OC Patch	Acquisition & Possession of Tenancy land : 174.58 acre & Govt: 20.75 acre.	Jan-18	
Jhanjra L/W R-VI	Acquisition and Possession of 30 Ha of tenancy land	Mar-18	

## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Sonepur (Comb)	Possession of 100 Ha of Tenancy land	Jul-18	
Rajmahal Expn	Possession of 160 Ha of Tenancy land	Dec-18	
Hura-C	Acquisition & Possession of land	Sep-19	



## LAND ISSUES---Cont.

<b>PROJECT</b>	<b>Issue</b>	<b>Revised Timeline</b>	<b>Remarks</b>
Tilaboni	Possession of 419.17 Ha Tenancy land to be done in phased manner	Mar-20	
Sonepur (Comb)	Acquisition and possession of - 693.10Ha Tenancy land to be done in phased manner.	Mar-20	
Sonepur (Comb)	Possession of 100 Ha of Tenancy land	Jul-20	

## REHABILITATION & RESETTLEMENT ISSUES

SL	Project	Issue	Revised Time line	Remarks
1	Rajmahal Expn	Acquisition/ possession of 46.15Ha of Ranidih Mouza	Mar-16	The application has been resubmitted on 7.9.2014. Discussion held with Chief Secretary, Jharkhand on 1.4.2015, it was decided that acquisition process will be started under New Act LARR -2013.
2	New Kenda	Rehabilitati on of 6 No Villages	Mar-18	Meeting with villagers is going on . Rehab site is tentatively selected . Acquisition of land for Rehabilitation is under process.

## REHABILITATION & RESETTLEMENT ISSUES

SL	Project	Issue	Revised Time line	Remarks
3	Sonepur (Comb)	Rehabilitation of 1615 PAFs(ph-I)	Mar-18	Till date 338 PAFs have been shifted
4	Nakrakonda-Kumardih-B OC	Rehab of 1 village, 2 Bastiees , 'Joalbhanga More'		
5	Sonepur (Comb)	Rehabilitaion of about 3000 PAFs(ph-II)	Mar-20	To be taken up after March' 18 as per PR
6	North Searsole OC	Rehabilitation of One big village	Mar-19	
7	Itapara OC	Rehab of 11 No of villages	Mar-19	

## RAIL INFRASTRUCTURE

SL	PROJECT	Issue	Revised Timeline	Remark
1	Hura-C	Construction of MGR & rail track	Sep -17	Land acquisition process has been started by NTPC.
2	Chuperbhita	Construction of MGR & rail track	Sep-18	
3	Simlong OC ( Extension)	Construction of New Rly. Siding	June-18	Proposal for administrative approval for permanent siding at Hansdiha has been initiated.
4	Sonepur (Comb)	Construction of New Rly. Siding	Mar-17	Work is in progress. 50 % civil work completed.

## RAIL INFRASTRUCTURE

SL	PROJECT	Issue	Revised Timeline	Remark
5	Amritnagar	Renovation of Kunustoria Railway Siding		Renovation of Kunustoria Railway Siding is not technically feasible. Possibility of alternative arrangement at Parasea/Bansra is under Examination
6	North Searsole OC			
7	Chitra East	Construction of new Railway Siding ( 25 KMs)	Dec-18	FSR prepared by RITES was examined and approved by ECL and is now under consideration by Eastern Railway.
8	Bonjemehari	Constructiojn of New Rly Sidingnear Chichuria	Dec -18	Alignment is to be finalized after finalization of alignment of Andal – Sitarampur loop line which is under approval by Railway.
9	Itapara OC			
10	Tilaboni	Construction of New Rly. Siding	Mar-19	

## PROJECTS-DIVERSION OF ROAD

SL	PROJECT	Issue	Revised Time line	Remarks
3	Sonepur (Comb)	Diversion of NH-60 by NHAI	Dec-17	RE for this depository work has been submitted to MoRTH for approval after which tender will be floated by Road wing of Govt. of WB.

## PROJECTS-CHP/SILO CONSTRUCTION

SL	PROJECT	Issue	Revised Timeline
1	Sarpi Aug	Construction of CHP	July-15
2	Jhanjra Low height CM	Construction of CHP	
3	Rajmahal Expn	Construction of additional warf wall siding	
4	Sonepur (Comb)	Construction of CHP	March-18
5	Bonjemehari	Installation of Mobile crusher	Dec-18

## PROJECTS-ROAD DIVERSION

SL	PROJECT	Issue	Timeline
11	Itapara OC	Amdiha -Domhani Road need to be diverted	Dec-18

## PROJECTS-NALLAH DIVERSION

SL	SUB	PROJECT	Issue	Timeline
21	ECL	Itapara OC	Noonia nala to be diverted	Dec-18

## POWER LINE CONSTRUCTION

SL	PROJECT	Issue	Timeline	Revised Time line	Remarks
1	Kumardihi B CM	Constructi on of HT Line	Mar-15	Mar-16	WBSEDCL has provided an estimate for establishing one single circuit overhead line 33KV from Pandaveswar 33 KV Substation of WBSEDCL on 20.3.2015. same is under examination by ECL for approval of the estimate and payment to WBSEDCL for deposit basis work.





## POWER LINE CONSTRUCTION

SL	PROJECT	Issue	Timeline	Revised Time line	Remarks
2	New Kenda	Diversion of OH Power Line	Sep-15	Sep-15	Work order for diversion of one out of two power line have been issued .
3	North Searsole OC	2 No of Power line 132 KV and 6.6 KV - two nos need to be diverted	Mar-17		

## UG PROJECTS - P&M/ CONTRACT FINALIZATION

SL	PROJECT	Issue	Revised Timeline
1	Jhanjra Low height CM	Finalizaion & award of contract for CM	Aug-15
2	Khottadih CM	Finalization and award of Contract for CM	Sep-15
3	Kumardihi B CM	Finalization & award of Contract for CM	Mar-16
4	Tilaboni	Finalization and award of Contract for CM	Sep-16
5	Ghusick	Finalization and award of Contract for PSLW	Dec-18

## **PROJECTS-OTHER ISSUES**

<b>SL</b>	<b>PROJECT</b>	<b>Issue</b>	<b>Revised Time line</b>
7	North Searsole OC	Diversion of IOC Pipe line by March 2016.	Dec-17

## **PROJECTS-INCLINE DRIVAGE**

<b>SL</b>	<b>PROJECT</b>	<b>Issue</b>	<b>Revised Time line</b>
1	Kumardihi B CM	Drivage of Incline	Mar-16
2	Tilaboni CM	Drivage of Incline	Mar-17
3	Khottadih CM	Drivages of Incline	May -16

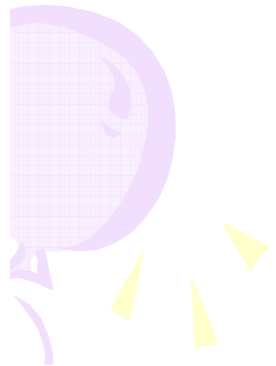
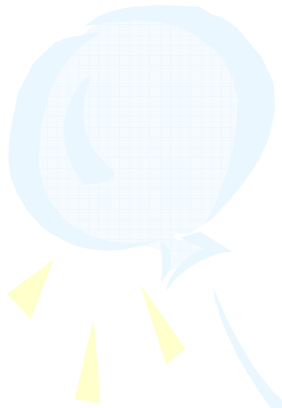
**YEARWISE, TENTATIVE DEPLOYMENT OF VARIOUS EQUIPMENT  
BOTH FOR OPENCAST AND UNDERGROUND MINES**

**Equipment Procurement Plan (HEMM)**

Opencast:Equipment	Tentative Requirement (Numbers)					Total
	15-16	16-17	17-18	18-19	19-20	
Rope Shovel 10-20 cum			2	3		5
Rope Shovel 5-10 cum	2	4	1		1	8
Hyd Shovel 10-20 cum		3				3
Hyd Shovel 5-10 cum				2		2
Hyd Shovel less than 5 cum	8	5	3	3	3	20
Dumper 120-190 T		18				18
Dumper 100-120 T	4	3	8	3	5	23
Dumper 60 - 120 T			4	5		16
Dumper less than 60 T	16	13	21	3	37	88
Drill 250 mm or less	10	3	3	1	4	21
Drill 250 mm or more	1				2	3
Dozer 320 Hp or less	4		8	5	3	20
Dozer 320-460 Hp	5		4	1	6	16

## Underground:

Equipment	Tentative Requirement (Numbers)				
	15-16	16-17	17-18	18-19	19-20
PSLW for 2.5 m seam height or less					1 (Ghusick)
PSLW for more than 2.5 m seam height	1 (Jhanjra)				
Continuous Miner for 2.5 m seam height or less		2 (Jhanjra, Kumardih B)	1 (Jhanjra)		
Continuous Miner for more than 2.5 m seam height				1 (Kottadhih)	2 (Tilaboni, Kumardih B)
SDLs for 2.5 m seam height or less (Low height)	3	2		8	2
SDLs for more than 2.5 m seam height	22	91	21		26
LHDs for more than 2.5 m seam height (1.5 cu.m.)	8	15			
LHDs for more than 2.5 m seam height (3.0 cu.m.)			2	1	2



**THANK YOU**