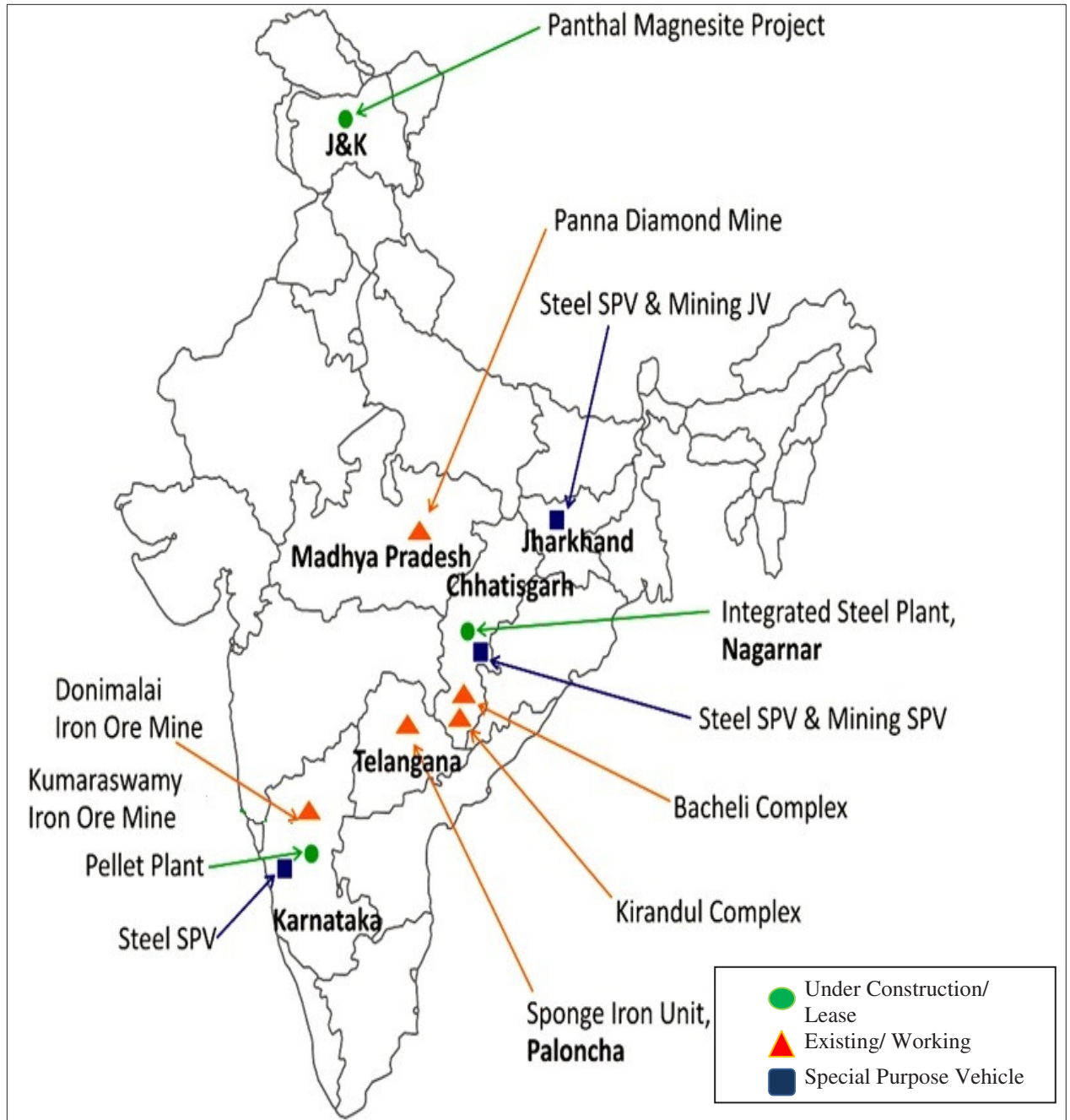


**Annexure-I
(Para 1.1)**

Geographical spread of the Projects of NMDC Limited



(Source: Annual Report of NMDC Limited for the year 2016-17)

**Annexure-II
(Para 2.2.2)**

Details of various HEMM equipment available as at the end of March during the five-year period from 2012-13 to 2016-17 in each of the mining project

Equipment	Bacheli					Kirandul					Donimalai					Panna				
	March 2013	March 2014	March 2015	March 2016	March 2017	March 2013	March 2014	March 2015	March 2016	March 2017	March 2013	March 2014	March 2015	March 2016	March 2017	March 2013	March 2014	March 2015	March 2016	March 2017
Dumpers	20	20	20	23	20	30	24	24	23	21	18	17	17	17	17	7	6	6	6	7
Shovels	11	11	11	10	10	13	11	10	9	12	8	8	8	8	9	2	3	2	2	2
Dozers	13	13	13	13	13	11	11	11	11	11	9	9	8	9	8	3	3	2	2	4
Drills	12	12	13	13	13	15	15	14	15	15	8	8	7	7	8	3	3	3	3	3
Graders	4	4	4	4	4	5	5	5	5	5	2	2	3	3	3	1	1	1	1	0

**Annexure-III
(Para 2.2.2(b))**

Statement showing comparative performance of Dumpers of BEML make vis-a-vis others

Sl. No.	Serial No. of Equipment	Make & Model	Capacity of Dumper (In Tons)	Date of Commissioning	Cumulative Hours Meter Reading (HMR) as on 31-08-2017	Mine at which Deployed	No. of Months of Utilization	Average Utilization per month in Hours	Average Utilization per Year in Hours
1	2	3	4	5	6	7	8	9=Col.6/Col.8	10=Col.6*12/Col.8
BACHELI COMPLEX									
1	HP-1C	BEML 85T	85	10-Mar-2013	12248	Dep. 5	53	231	2773
2	HP-2B	BEML 85T	85	15-Dec-2005	19033	Dep. 5	140	136	1631
3	HP-3B	BEML 85T	85	3-Oct-2008	19535	Dep. 5	106	184	2212
4	HP-4C	BEML 85T	85	25-Mar-2016	5730	Dep. 5	17	337	4045
5	HP-5C	BEML 85T	85	25-Mar-2016	5817	Dep. 5	17	342	4106
6	HP-6B	BEML 85T	85	3-Oct-2008	17821	Dep. 5	106	168	2017
7	HP-8B	BEML 85T	85	3-Oct-2008	22190	Dep. 5	106	209	2512
8	HP-9C	BEML 85T	85	25-Mar-2016	5696	Dep. 5	17	335	4021
9	HP-10B	BEML 85T	85	3-Oct-2008	18945	Dep. 5	106	179	2145
10	HP-11B	BEML 85T	85	15-Dec-2005	27920	Dep. 5	140	199	2393
11	HP-12B	BEML 85T	85	19-Aug-2004	25584	Dep. 5	156	164	1968
12	HP-13B	BEML 85T	85	6-Nov-2009	13074	Dep. 5	93	141	1687
13	HP-34	BEML 85T	85	1-Apr-2006	21686	Dep. 10/11A	136	159	1913
14	HP-35	BEML 85T	85	6-May-2006	20308	Dep. 10/11A	135	150	1805
15	HP-36	BEML 85T	85	18-Mar-2006	18965	Dep. 10/11A	137	138	1661
16	HP-37	BEML 85T	85	11-Apr-2006	18648	Dep. 10/11A	136	137	1645
17	HP-38	BEML 85T	85	1-Apr-2006	18752	Dep. 10/11A	136	138	1655
18	HP-39	BEML 85T	85	18-Mar-2006	20987	Dep. 10/11A	137	153	1838
19	HP-40	BEML 85T	85	1-Apr-2006	19121	Dep. 10/11A	136	141	1687
20	HM-7B	CAT	100	12-Jun-2003	38298	Dep. 5	170	225	2703
DONIMALAI COMPLEX									
1	HP-3A	BEML BH-85-1	85	14-Sep-2005	22526	DIOM	143	158	1890
2	HP-7B	BEML BH-85-1	85	19-Aug-2004	22294	DIOM	156	143	1715

Sl. No.	Serial No. of Equipment	Make & Model	Capacity of Dumper (In Tons)	Date of Commissioning	Cumulative Hours Meter Reading (HMR) as on 31-08-2017	Mine at which Deployed	No. of Months of Utilization	Average Utilization per month in Hours	Average Utilization per Year in Hours
1	2	3	4	5	6	7	8	9=Col.6/Col.8	10=Col.6*12/Col.8
3	HP-10	BEML BH-85-1	85	17-Jun-2009	12854	KIOM	98	131	1574
4	HP-11	BEML BH-85-1	85	1-Aug-2009	10154	KIOM	96	106	1269
5	HP-12	BEML BH-85-1	85	20-Dec-2005	16691	DIOM	140	119	1431
6	BH-4B	BEML BH-100S	100	6-Dec-2012	14742	DIOM	56	263	3159
7	BH-14	BEML BH-100S	100	8-Mar-2013	16258	DIOM	53	307	3681
8	BH-15	BEML BH-100S	100	8-Mar-2013	15279	DIOM	53	288	3459
9	BH-16	BEML BH-100S	100	28-Mar-2013	16932	DIOM	53	319	3834
10	BH-17	BEML BH-100S	100	20-Mar-2013	15249	DIOM	53	288	3453
11	BH-21B	BEML BH-100S	100	18-Mar-2013	16984	DIOM	53	320	3845
12	HM-1A	CAT 777D	100	21-Jan-2006	44888	DIOM	139	323	3875
13	HM-2A	CAT 777D	100	19-Jan-2006	47962	DIOM	139	345	4141
14	HM-5A	CAT 777D	100	19-Jan-2006	47575	DIOM	139	342	4107
15	HM-6A	CAT 777D	100	12-Apr-2006	45865	DIOM	136	337	4047
16	HM-8A	CAT 777D	100	6-Feb-2006	46672	DIOM	138	338	4058
17	HM-9A	CAT 777D	100	17-Jan-2006	47860	DIOM	139	344	4132
KIRANDUL COMPLEX									
1	HP-49A	BEML BH 50 M	50	1-May-2010	5847	Dep. 11B	87	67	806
2	HP-60	BEML BH 85-1	85	10-Nov-2008	8812	Dep. 11B	105	84	1007
3	HP-61	BEML BH 85-1	85	16-Oct-2008	6278	Dep. 11B	106	59	711

Sl. No.	Serial No. of Equipment	Make & Model	Capacity of Dumper (In Tons)	Date of Commissioning	Cumulative Hours Meter Reading (HMR) as on 31-08-2017	Mine at which Deployed	No. of Months of Utilization	Average Utilization per month in Hours	Average Utilization per Year in Hours
1	2	3	4	5	6	7	8	9=Col.6/Col.8	10=Col.6*12/Col.8
4	HP-62	BEML BH 85-1	85	16-Oct-2008	9385	Dep. 11B	106	89	1062
5	HP-63	BEML BH 85-1	85	30-Nov-2008	7540	Dep. 11B	105	72	862
6	HP-37A	BEML BH 50 M	50	1-May-2010	4839	Dep. 14	87	56	667
7	HP-53A	BEML BH 50 M	50	1-May-2010	4422	Dep. 14	87	51	610
8	HP-17B	BEML BH 60 M	60	25-May-2012	6216	Dep. 14	63	99	1184
9	HP-24B	BEML BH 60 M	60	25-May-2012	5381	Dep. 14	63	85	1025
10	HP-66	BEML BH 60 M	60	18-Nov-2012	7878	Dep. 14	57	138	1659
11	HP-67	BEML BH 60 M	60	18-Nov-2012	7096	Dep. 14	57	124	1494
12	HP-68	BEML BH 60 M	60	18-Nov-2012	8397	Dep. 14	57	147	1768
13	CP-54	CAT 777D	100	20-Jun-2003	33530	Dep. 11C	170	197	2367
14	CP-55	CAT 777D	100	14-Nov-2005	31178	Dep. 11C	141	221	2653
15	CP-56	CAT 777D	100	14-Nov-2005	29985	Dep. 11C	141	213	2552
16	CP-57	CAT 777D	100	5-Jan-2006	32976	Dep. 11C	139	237	2847
17	CP-58	CAT 777D	100	5-Jan-2006	32976	Dep. 11C	139	237	2847
18	CP-64	CAT 777D	100	5-Apr-2011	18427	Dep. 11C	76	242	2910
19	CP-65	CAT 777D	100	5-Apr-2011	17788	Dep. 11C	76	234	2809
20	CP-22B	CAT 773D	60	24-Jun-2011	15904	Dep. 14	74	215	2579
21	CP-23B	CAT 773D	60	24-Jun-2011	15271	Dep. 14	74	206	2476
22	CP-52A	CAT 773D	60	24-Jun-2011	16926	Dep. 14	74	229	2745

Annexure-IV
(Para 2.2.2(c))

Availability and utilization of three major HEMM equipment viz., Shovels, Dumpers and Drills with respect to Scheduled Hours, Available Hours and Utilized Hours across the three projects during the period from 2012-13 to 2016-17

Sector & Mine		Percentage with reference to	2012-13	2013-14	2014-15	2015-16	2016-17
Bailadila Sector			In percentage				
Kirandul	Shovels	Available Hours on Scheduled hours	82.26	84.52	77.56	78.72	72.86
		Utilized hours on Available Hours	20.21	26.52	32.81	32.89	43.10
	Dumpers	Available Hours on Scheduled hours	87.48	83.62	74.42	73.88	66.01
		Utilized hours on Available Hours	21.65	25.60	31.55	33.67	43.35
	Drills	Available Hours on Scheduled hours	83.85	87.41	83.99	75.16	73.01
		Utilized hours on Available Hours	16.62	15.16	16.47	16.64	20.79
Bacheli	Shovels	Available Hours on Scheduled hours	81.53	81.30	76.98	76.52	73.07
		Utilized hours on Available Hours	31.19	36.62	42.04	41.53	47.92
	Dumpers	Available Hours on Scheduled hours	82.36	79.03	72.77	71.29	71.60
		Utilized hours on Available Hours	35.02	35.96	39.29	43.55	54.22
	Drills	Available Hours on Scheduled hours	84.67	81.72	82.14	74.75	67.91
		Utilized hours on Available Hours	21.27	21.73	26.27	24.37	30.77
Donimalai Sector							
Donimalai	Shovels	Available Hours on Scheduled hours	80.34	77.00	76.22	74.10	73.25
		Utilized hours on Available Hours	49.66	51.38	54.36	51.66	52.11
	Dumpers	Available Hours on Scheduled hours	73.63	72.91	70.76	68.07	78.77
		Utilized hours on Available Hours	62.15	51.81	49.13	56.87	65.91
	Drills	Available Hours on Scheduled hours	85.77	72.87	79.14	74.19	58.36
		Utilized hours on Available Hours	27.39	33.99	43.05	36.75	54.12

Annexure-V
(Para 2.3.1)

Package-wise progress made during 2012-17 in respect of development of Deposit-11B mine

Package No.	Description of package	Name of the contractor	Value (₹ in crore)	% of completion as on 31.03.2012	Actual completion	Time taken to complete balance works
I	Crushing and Stacking section	TRF Limited	115.19	72.12	August 2015	40 months
II	Downhill Conveyor System	Sandvik Asia Pvt. Limited	115.71	77.28	August 2015	40 months
III	Earthwork and site preparation	Ratna Infrastructure projects Pvt. Limited	76.78	97.53	December 2009	--
IV	Electrical substation and distribution system	Siemens Limited	10.99	91.16	August 2015	40 months
V A	Water supply	KP Antony/APJ Constructions	1.76	79.38	October 2011	--
V B	Service Centre Building	BCC Infracon Pvt Limited	17.33	29.16	Terminated during October 2014	Remaining work split into 4 sub-packages and yet to be completed (January 2018)
V C	Supply of indoor electrical	Lalitha Engineering Pvt. Limited	2.36	56.12	Terminated May 2016	Erection to be done after completion of package V B works
V D	Electric Overhead Travelling Cranes	Alpha Services	1.54	17.54	Suspended till April 2018	Erection to be done after completion of package V B works
VI	Telecommunication system	Infonet Asia Pvt. Limited	1.78	50.47	*PAC done in May 2017	Yet to be commissioned
VII	Fire Protection System	New Fire Engineers Pvt. Limited	7.36	70.45	*PAC done in May 2017	Yet to be commissioned

*PAC: Preliminary Acceptance Certificate

Annexure-VI
(Para 2.3.2)

Package-wise progress made during 2012-17 in respect of development of Kumaraswamy Iron Ore Project

Package No.	Description of package	Name of the contractor	Value ₹ in crore	Stage completion as on 31.03.2012	Actual completion	Reasons for delay
I	Crushing Plant (LSTK)	FLSmith Pvt. Ltd., Chennai	165.49	Major Drawings and materials were approved	May 2017	Due to problems with sub-contractors and delay in submission and approval of drawings.
II	Downhill conveyor system (LSTK)	Elecon Engg. Gujrat	190.86	Major Drawings and materials were approved	July 2017	Due to poor planning of the contractor in mobilizing sufficient resources like manpower and materials, delays in submission of drawings, etc.
III	Electrical works (LSTK)	Schneider Elec. Infrastructure Bangalore	10.95	Drawings approved and dispatch clearance given to materials	March 2017	Delay in obtaining statutory clearances and poor mobilization of resources by the contractor
IV	Telecommunications (LSTK)	Infonet Asia, Chennai	3.14	Tendering yet to be initiated	---	Poor mobilization of resources by contractor
V A	Water Supply Pipeline (Item Rate)	Dee Tech Projects P. Ltd.Chennai	4.51	Drawings yet to be approved	December 2015	Work front was not available for want of finalization of downhill conveyor corridor. Further, it was also delayed due to delay in shifting of construction material through PWD road which was under construction etc.
V B	Service Centre (Item Rate) & auxiliary buildings	BCC infracon Pvt. Ltd., Hyderabad	29.59 (revised)	Majority of drawings approved	September 2015	Improper assessment/estimate of Bill of Quantities (BoQ) by the Company before issuing the work order (increase from 20,000 cum to 65,000 cum).

Package No.	Description of package	Name of the contractor	Value ₹ in crore	Stage completion as on 31.03.2012	Actual completion	Reasons for delay
VC	Supply & Erection of EOT cranes (LSTK)	AMT International, Gobindgarh	1.35	Work order placed	September 2015	Equipment supplied but could not be erected due to unavailability of fronts from package V B and power from package IV.
VI	Approach road to mine (Item Rate)	Suryodaya Infra Projects (I) Pvt. Ltd., Hyderabad	47.82	Work order yet to be placed	---	Stage-I Forest Clearance for 5.4 km out of 8.3 km was granted in December 2017

Annexure-VII
(Paras 3.1.2, 3.1.3 and 3.1.4)

Details showing time taken for award of packages for Nagarnar Integrated Steel Plant (NISP)

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
Major Packages – 19 months period for placement of LAC from Limited Tender Enquiry (LTE) for each package as per PIP (Project Implementation Plan)						
1	RMHS- (PKg-1)	07.07.10	1395.00	01.08.11	13	Tender notice was issued 07.07.10. Techno-commercial discussions held between December 2010 and January 2011. MECON submitted cost estimates on 24.05.11. Price bids were received on 02.06.11. Tender Scrutiny Committee (TSC) met on 07.06.11 and 08.06.11
2	Coke Oven- (PKg-2)	21.05.10	1978.36	24.08.11	15	Tender enquiry was issued May 2010. Price bids were opened on June 2011.
3	By Product- (PKg-3)	01.07.10	509.00	15.12.11	17	GEoI was issued in March 2009. There was revision of cost estimates due to addition/deletion of certain facilities in the package due to which bids were extended from time to time. Finally LAC was issued on 15.12.11, i.e. after a time gap of 17 months from the date of tender and more than 32 months from issue of GEoI.
4	Sinter Plant-PK- (Pkg-4)	13.04.10	764.79	24.01.11	10	Expression of Interest was issued in March 2009. LTE was issued on 13.4.10. LOA was issued on 24.01.11.
5	Blast Furnace- (Pkg-5)	22.04.10	1813.93	30.04.11	12	LTE was issued in April 2010. LOA was issued in April 2011.
6	SMS-PK-(Pkg-6)	20.05.10	2054.00	25.04.12	23	GEoI was issued in December 2009. LTE was issued 20.05.10 for two out of eight bidders on meeting eligibility. As MECON had not submitted the cost estimates, it was decided to accept the price evaluation report of MECON dated 06.01.12 as approved by Board and LAC was issued in April 2012 with a delay of 23 months from date of tender and 40 months from issue of GEoI.

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
7	Thin Slab Caster & HSM-(Pkg-7)	08.04.10	2633.00	04.05.12	25	Limited Tender (LT) was issued on 08.04.10 with submission date on 23.9.10. Bids were evaluated in December 2011 due to changes in Standard Bidding Document (SBD). LOA was issued in May 2012.
8	Lime & Dolomite Calcination Plant-(Pkg-8)	05.07.11	148.45	23.11.12	16	Tenders were issued on 05.07.11. Techno-commercial discussions were held between November/December 2011. Revised price bids were opened on 17.02.12. NMDC team visited China in July 2012 to verify the credentials of one of the bidders and after Board approval, contract was awarded.
9	Oxygen Plant-(Pkg-9)	10.08.11	582.00	16.04.12	9	EOI was issued in July 2009. The delay was due to deliberations whether to go for the Plant on Build, Own and Operate (BOO)/ Build, Own and Maintain (BOM) basis or for installation. Global tender was issued on 10.08.2011. Cost estimates were prepared on 08.04.11. Based on change in technical specifications, revised price bids were opened on 27.01.12 and LAC was issued on 16.04.12. Thus, there was an overall delay of 37 months from the issue of EoI.
Auxiliary Packages- (17 months period for placement of LAC from LTE for each package as per PIP)						
1	Power Blowing Station (Pkg-10)	11.06.11	502.76	23.11.12	17	Tender was issued 11.06.11. Work awarded on 23.11.12. No delay.
2	Main Receiving Station (Pkg- 42)	16.06.11	140.45	21.04.14	34	NIT issued in June 2011 after submission of cost estimates in March 2011. Technical Bid received in July 2011. However, Tender Scrutiny Committee (TSC) vetted the offers in May 2012 due to revision in Pre-qualification criteria, discussion with bidders and evaluation time taken by MECON. After Board's approval, work order issued in April 2014 (delay due to clarifications sought by Board).
3	Turbo blowers (Pkg- 10A)	11.06.11	226.37	03.05.14	35	Tender notification issued 11.06.11. Standard Bidding Document was revised several times between 03.08.11 to 25.06.13. Price bids were opened on 03.07.13. TSC meeting was held 21.09.13. Board approval sought on 14.03.14.

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
4	IPPL-(Pkg-20)	10.01.12	141.10	01.08.14	31	Tender issued on 10.01.12. Tenders opened on 12.03.12. Tender Appraisal Report (TAR) modified due to number of deviations taken by the bidders. Revised TAR issued on 24.07.12. TSC again met on 09.08.12 and 10.08.12 (originally on 26.06.12 and 27.06.12). 3 out of 4 offers were selected for finalisation. MECON proposed changes to approved technical specifications. Due to delay in receipt of price implications from MECON, price bids of qualified bids were received on 12.03.2013. TSC met finally on 02.05.2013 and L1 bidder selected. Due to delay in price reduction negotiations with L1 bidder and clarifications on changes in contractual quantity beyond +/-5%, issue of LOA (01.08.2014) to L1 bidder is abnormally delayed.
5	PPDS-(Pkg-32)	08.05.12	358.62	10.09.14	28	After issue of Tender Enquiry in May 2012, due to change in technical modifications, the Technical evaluation of offers TAR was issued on 01.06.13 and as per the TSC recommendations of July 2014, LOA was issued on L1 (BHEL) in September 2014.
6	Water Package Inside Plant(Pkg-17-01)	22.06.11	356.85	22.12.14	42	Tender floated on 22.06.11 and opened on 05.09.11. MECON submitted revised tender appraisal report on 26.04.12. Director (Finance) opined that PQ criteria envisaged was not in consonance with financial and technical competency required. Referred to a sub-committee on 02.01.13, which did not agree with the opinion of Director (Finance). The package was divided into 17 (1) and 17 (2). Suggested for re-tender. Global tenders issued 18.10.13. Pre-bid meeting held on 01.11.13. TAR submitted on 28.02.14. Task force met on 28.02.14. Five bids received. Complaints received on 17 (1) part. Committee constituted by the Company visited China on 26.09.14. The contract was awarded in December 2014.
7	Water Package outside Plant (Pkg-17-02)	22.06.11	314.58	22.12.14	42	

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
8	Compressed Air System (Pkg- 11)	01.09.12	56.51	23.01.15	29	Cost estimates were prepared on 27.04.12. LTE was issued in September 2012. TSC held on 20.05.14. Letter of award of contract issued in January 2015.
9	Central Fire Station, Fire Post & telephone exchange building (Pkg- 26)	08.09.14	15.35	27.10.15	13	--
10	Diesel Generator (Pkg-12)	08.12.15 (RT)	37.18	27.09.16	28	In May 2014, global tender was issued. Only one offer was received. Therefore, retendered in December 15. Tender opened on 12.01.16 and contract was awarded on 27.09.16
11	Central Laboratory Building (Pkg-16)	04.02.16	17.61	19.01.17	25	In response to Open tender enquiry floated in December 2014 two offers were received which were technically unqualified. Re-tenders were floated (February 2016) with revised technical specifications. In response, six offers were received by April 2016 and TSC in September 2016 qualified all the six bids. After evaluation of price bids in December 2016 work order placed in January 2017. Thus, total time taken for award of work order was 25 months.
12	Building for Central Workshop (Pkg-28A)	06.04.15	92.89	10.06.16	43	MECON prepared detailed cost estimates in November 2012 which were revised and approved in July 2014 due to changes in technical specification. NIT floated in April 2015 after approval of cost estimated by Board in March 2015. 4 bids received were evaluated by TSC in October /December 2015 and three firms were qualified. Price bids opened in January 2016 and quotes were compared with updated price estimates and found that L1 bidder price was higher by 9.2%. After negotiations with L1 bidder, work order issued in June 2016 with the approval of Board. Thus total time taken was 43 months.

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
13	Plant Illumination (Pkg-33)	19.01.16	19.20	11.01.17	12	Original tender issued in December 2014 was cancelled as only one bid was technically qualified. Re-tender was floated in January 2016 and LOA was issued in January 2017.
Infrastructure Packages						
1	Studio Apartment -2	15.12.10	28.36	22.06.11	6	After initiation of proposal in September 2010 NIT floated in December 2010. TSC qualified all the 3 bids in March 2011 and price bid of L1 bidder was evaluated in April 2011 and approved by competent authority in June 2011.
2	Storm Water Drain sewerage Plant – (Pkg-43A)	25.03.14	124.92	08.03.16	46	MECON submitted detailed cost estimates in May 2012 which were approved by the Company in August 2012. However, NIT was issued in March 2014 due to non-finalization of PQ criteria. Three bids received (June 2014) were technically disqualified by TSC in November 2014. Re-tenders floated in April 2015. Two bids received were evaluated and L1 bidder was selected with the approval of Board in February 2016. Work order issued in March 2016. Thus total time taken was 46 months.
3	Steel Loading Flat form (Pkg-53)	24.06.16 (RT)	9.78	10.04.17	10	No delay.
4	Purchase of Locomotives (Pkg-48)	10.11.11 (OT) 30.07.16 (RT)	104.91	28.12.16	5	Originally proposed to have on lease basis and enquired with RITES & DLW Varanasi and finally LTE was issued in July 2016 and LOA issued in December 2016.
5	Central Stores Building (Pkg-52)	06.05.14	27.26	02.06.16	25	MECON submitted cost estimates in September 2011 which were revised in August 2012. The Company accepted the cost estimates in March 2013. However, NIT floated in May 2014. Bids of 3 firms opened in August 2014 and TSC qualified one firm in December 2014. However, it was decided to re-tender the package and NIT floated in

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
						October 2015. After technical and price bid evaluation, work order was issued in June 2016. Thus, the time taken was 25 months to award the package.
Enabling Packages						
1	Construction Water	26.03.10	31.16	06.12.10	8	No issue
2	Site Levelling Phase-I	05.06.10	23.66	31.12.10	6	No issue
3	Construction Power	17.04.10	39.58	17.01.11	9	No issue
4	Plant Road Network & Temporary Drainage Phase-I	25.06.10	26.35	18.05.11	10	No issue
5	Boundary wall & watch tower	26.02.11	22.83	02.11.11	9	No issue
6	Site Levelling Phase-II	17.12.11	15.80	14.08.15	44	After issue of NIT in December 2011, the Company/Consultant took one year i.e., up to December 2012 to finalise the L-1 bidder. However, site related requirements were not frozen by the Company. Hence, re-tender was floated in August 2014 after finalization of requirements as selected L1 bidder was not willing to extend its price bid. Out of 8 bids received by September 2014 three bids were shortlisted in December 2014. Though price bids were evaluated in January 2015, work order was issued in August 2015 as left over works in Phase-I were proposed for inclusion in this work order. Thus, failure of the Company/Consultant in finalization of site requirements resulted in delay of 44 months in finalization of work order.

Sl. No.	Name of the Package	Date of Tender	Value of the contract (₹ in crore)	Date of LAC (Letter of award of contract)	Time taken for tendering from the date of tender (months)	Reasons for delay
7	Plant Road Network Phase-II	07.01.15	40.43	17.02.16	13	No issue
8	Retaining wall for railway embankment	09.12.15	31.45	29.08.16	21	MECON submitted the initial cost estimates in November 2014, but open tender enquiry was floated in December 2015 due to revision of specifications and estimated price. Out of four bids (received in January 2016) two bids were qualified as per the Tender Scrutiny Committee (TSC) in April 2016. After evaluation of Price bids in July 2016 work orders were placed in August 2016 with approval of competent authority. The awarded work order was 0.55% lower than estimate. Thus, the time taken for award of this package was 21 months.
Railway Packages						
1	Railway siding Package-I	26.03.14	283.32	21.09.15	18	One of the five bidders moved the Hon'ble High Court of Hyderabad. After clearing of the case, the work order was awarded to L1. Therefore, time taken for awarding was 18 months.
2	Railway siding Package-II	29.12.14	78.92	01.03.16	14	TSC conducted in May 2015 qualified IRCON technically. Price bid was opened in July 2015 and observed that the L1 price was 24% higher than the estimate, negotiations were held with bidder and got reduction in price which took time.
3	Railway siding Package-IV	15.04.15	84.15	19.04.16	12	Bids reviewed during June 2015 and sole bidder was qualified. After opening of price bid, quoted price was much higher than estimate. Hence, work order placed after negotiation with bidder and approval from Committee of Directors which took time.

(OT – Original Tender; RT – Revised Tender; LT – Limited Tender)

Annexure-VIII

(Paras 3.1.6.1, 3.1.6.2, 3.1.6.4 and 3.1.6.5)

Details showing the time taken for execution of packages for NISP

Sl. No	Name of Package	Value of the contract (₹ in crore)	LAC date	Effective date	Scheduled completion date	Completed / extended upto	Progress of work and reasons for delay
Main Packages							
1	RMHS- (Pkg-1)	1395.00	01.08.11	30.08.11	28.02.14	31.07.18	Overall progress as on December 2017 was 88 <i>per cent</i> . Non-sequential supply of structures for fabrication as well as slow erection of structures due to less manpower deployment were the reasons for delay.
2	Coke Oven-(Pkg-2)	1978.36	24.08.11	06.09.11	05.06.14	30.06.18	Overall progress as on December 2017 was 88.43 <i>per cent</i> . Insufficient manpower and material were the reasons for delay.
3	By Product- (Pkg-3)	509.00	15.12.11	10.01.12	09.07.14	31.12.17	Overall progress as on December 2017 was 91 <i>per cent</i> . Insufficient manpower and material and slow progress of work were the reasons for delay.
4	Sinter Plant-(Pkg-4)	764.79	24.01.11	22.02.11	21.11.13	21.12.17	Overall progress as on December 2017 was 94.92 <i>per cent</i> . Slow progress of work was the reason for delay.
5	Blast Furnace-(Pkg-5)	1813.93	30.04.11	29.05.11	28.02.14	15.03.18	Overall progress as on December 2017 was 86 <i>per cent</i> . Insufficient manpower and material and slow progress of work were the reasons for delay.
6	SMS-PK-(Pkg-6)	2054.00	25.04.12	23.05.12	22.04.15	31.12.17	Overall progress as on December 2017 was 85 <i>per cent</i> . Non-sequential supply of material as well as slow progress of work due to less manpower deployment were the reasons for delay.

Sl. No	Name of Package	Value of the contract (₹ in crore)	LAC date	Effective date	Scheduled completion date	Completed / extended upto	Progress of work and reasons for delay
7	Thin Slab Caster & HSM-(Pkg-7)	2633.00	04.05.12	03.06.12	02.05.15	31.12.17	Overall progress as on December 2017 was 90 <i>per cent</i> . Slow progress of work due to less manpower deployment was the reasons for delay.
8	Lime & Dolomite Calcination Plant-(Pkg-8)	148.45	23.11.12	22.12.12	21.12.14	31.12.18	Overall progress as on December 2017 was 44.91 <i>per cent</i> . Unavailability of civil and structural drawings, inadequate manpower and material and not engaging sub-contractor for civil works were the reasons for delay.
9	Oxygen Plant-(Pkg-9)	582.00	16.04.12	15.05.12	14.11.14	31.12.17	Overall progress as on December 2017 was 97.80 <i>per cent</i> . Finishing works were pending.
Auxiliary packages							
1	Power Blowing Station (Pkg-10)	502.76	23.11.12	22.12.12	21.12.14	31.03.18	Overall progress as on December 2017 was 76 <i>per cent</i> . Slow progress of work due to less manpower deployment was the reasons for delay.
2	Main Receiving Station (Pkg-42)	140.45	21.04.14	20.05.14	19.05.16	31.05.17	Overall progress as on December 2017 was 93 <i>per cent</i> . Slow progress of work due to insufficient manpower deployment was the reason for delay.
3	Turbo blowers (Pkg-10A)	226.37	03.05.14	01.06.14	31.08.16	31.12.17	Overall progress as on December 2017 was 85 <i>per cent</i> . Slow progress of work due to less manpower deployment was the reason for delay.
4	IPPL-(Pkg-20)	141.10	01.08.14	31.08.14	30.08.16	31.12.17	Overall progress as on December 2017 was 94.60 <i>per cent</i> . Slow progress of work due to less manpower deployment and machinery was the reason for delay.
5	PPDS-(Pkg-32)	358.62	10.09.14	10.10.14	09.10.16	09.04.18	Overall progress as on December 2017 was 95 <i>per cent</i> . Non-availability of adequate construction material, machinery and manpower was the reason for delay.

Sl. No	Name of Package	Value of the contract (₹ in crore)	LAC date	Effective date	Scheduled completion date	Completed / extended upto	Progress of work and reasons for delay
6	Water Package Inside Plant (Pkg-17-01)	356.85	22.12.14	20.01.15	19.01.17	31.03.18	Overall progress as on December 2017 was 98.50 per cent. Slow progress of work due to less manpower deployment was the reason for delay.
7	Water Package outside Plant (Pkg-17-02)	314.58	22.12.14	20.01.15	19.01.17	19.12.17	Overall progress as on December 2017 was 67.69 per cent. Slow progress of work due to less manpower deployment was the reason for delay.
8	Compressed Air System (Pkg-11)	56.51	23.01.15	21.02.15	20.02.17	20.02.18	Overall progress as on December 2017 was 92 per cent. Slow progress of work due to less manpower deployment and irregular supply of concrete were the reasons for delay.
9	Central Fire Station, Fire Post & telephone exchange building (Pkg-26)	15.35	27.10.15	26.11.15	25.11.16	31.03.18	Overall progress as on December 2017 was 83 per cent. Slow progress of work due to less manpower deployment and machinery was the reason for delay.
10	Diesel Generator (Pkg-12)	37.18	27.09.16	27.10.16	26.02.18	26.02.18	Overall progress as on December 2017 was 41.62 per cent.
11	Central Laboratory Building (Pkg-16)	17.61	19.01.17	19.01.17	18.07.18	18.07.18	Basic engineering and detailed engineering completed only 66.67 per cent and 9.80 per cent respectively.
12	Building for Central Workshop (Pkg-28A)	92.89	10.06.16	09.07.16	08.04.18	08.04.18	Excavation work completed and RCC work and structure supply was under progress.
13	Plant Illumination (Pkg-33)	19.20	11.01.17	10.02.17	09.02.18	09.02.18	Site mobilization by contractor was under progress.
Infrastructure packages							
1	Studio Apartment -2	28.36	22.06.11	22.06.11	21.06.12	22.11.15	The work has not been completed. The issue was under arbitration.

Sl. No	Name of Package	Value of the contract (₹ in crore)	LAC date	Effective date	Scheduled completion date	Completed / extended upto	Progress of work and reasons for delay
2	Storm Water Drain sewerage Plant – (Pkg-43A)	124.92	08.03.16	08.04.16	07.07.17	30.06.18	Overall progress as at the end of December 2017 was 52.40 <i>per cent</i> . Slow progress of work due to less manpower deployment and front availability was the reason for delay.
3	Steel Loading Platform(Pkg-53)	9.78		10.04.17	09.04.18	09.04.18	RCC work was under progress.
4	Purchase of Locomotives (Pkg-48)	104.91	28.12.16	28.12.16	27.09.18	---	Purchase was under progress.
5	Central Stores Building (Pkg-52)	27.26	02.06.16	02.07.16	01.11.17	---	Structure supply was under progress.
Enabling packages							
1	Construction Water	31.16	06.12.10	06.12.10	05.12.11	30.06.16	Contract was terminated in June 2016. Hydro testing of balance pipe line was pending.
2	Site Leveling Phase-I	23.66	31.12.10	31.12.10	30.12.11	30.04.13	Work completed.
3	Construction Power	39.58	17.01.11	17.01.11	17.10.11	30.03.15	Performance Guarantee Test conducted on 30 March 2016.
4	Plant Road Network & Temporary Drainage phase-I	26.35	18.05.11	18.05.11	17.05.12	30.04.13	Work completed.
5	Boundary wall & watch tower	22.83	02.11.11	02.11.11	01.11.12	30.05.15	After completion of 64 <i>per cent</i> work, contract terminated on 22.12.15.
6	Site Leveling Phase-II	15.80	14.08.15	14.08.15	13.08.16		52 <i>per cent</i> works completed by 31.12.17.
7	Plant Road Network Phase-II	40.43	17.02.16	17.02.16	16.02.17		Road work under progress.
8	Retaining wall for railway embankment	31.45	29.08.16	30.09.16	29.09.17	31.03.18	29 <i>per cent</i> work completed by 31.12.17.

Sl. No	Name of Package	Value of the contract (₹ in crore)	LAC date	Effective date	Scheduled completion date	Completed / extended upto	Progress of work and reasons for delay
Railway packages							
1	Railway siding Package-I	283.32	21.09.15	20.10.15	19.04.17	31.12.17	Progress as on 31.10.17 was 51 per cent only
2	Railway siding Package-II	78.92	01.03.16	30.03.16	29.03.17	31.03.18	Progress as on 31.10.17 was 35 per cent only
3	Railway siding Package-IV	84.15	19.04.16	18.05.16	17.05.17	31.12.18	Progress as on 29.10.17 was 51 per cent only