

Appendices

Appendix-2.1
(Referred to in Paragraph 2.1.3)
Lease was granted on insufficient documents

Sl. No.	District	Name of applicant	Date of last application	Mauza/Area	Document attached	Deficiency in enclosed documents
1	Chaibasa	M/s CTS Industries	26.09.2015	Purtidighia/11.75 acre	Two affidavits and up to date RCC	Affidavit had partial contents of Rule 9 (1)(a)(6 & 7).
2			26.09.2015	Padapahar/5.00 acre		
3			26.09.2015	Padapahar/10.00 acre		
4		M/s Ezhar Karim	11.06.2015	Padapahar/2.50 acre	One affidavit only	Affidavit had partial contents of Rule 9 (1)(a)(7) only. RCC not attached.
5	Chatra	M/s Chatania Mines	17.05.2019	Chatania/ 7.00 acre	One affidavit only	Affidavit had partial contents of Rule 9 (1)(a)(7) only. RCC not attached. PAN or Income Tax declaration regarding partnership firm was not enclosed.
6		M/s Jai Shankar Stone Works	22.04.2014	Dalkoma/1.76 acre	One affidavit and RCC	Affidavit had partial contents of Rule 9 (1)(a)(7) only.
7			01.06.2015	Akta/9.00 acre		
8		M/s Ashutosh Stone Works	05.04.2014	Dalkoma/10.00 acre	One affidavit only	Affidavit had partial contents of Rule 9 (1)(a)(7) only. RCC not attached. Applicant was director of Pvt. Ltd. Co. but neither PAN nor declaration regarding Income Tax payment of the company was furnished.
9	Dhanbad	Rameshwar Mahto	19.12.2020	Dudhia /7.00 acre	Single affidavit attached	Declared he holds lease in Bokaro but could not attached RCC for current year 2019-20, instead RCC of 2016 issued by DMO, Bokaro was attached.
10		Manmohan Grover & Ankush Grover	17.03.2021	Salpatra/7.32 acre	Single affidavit of each partner was attached	Ankush Grover already holds mining lease over an area of 9.00 acre but in this application, he concealed this fact and also left the column in his affidavit blank. As such his affidavit was incorrect.
11			02.03.2016	Garga/3.90 acre	Single affidavit of	Azad Ansari declared in his affidavit dated 02.03.2016 that he holds mining lease in Jamtara but did not attach RCC.

Sl. No.	District	Name of applicant	Date of last application	Mauza/Area	Document attached	Deficiency in enclosed documents
12	Dhanbad	Asit Kr Mandal & Azad Ansari	20.02.2016	Garga/7.00 acre	each partner was attached	Azad Ansari declared that he does not have mining lease and no due pending but, in the application, dated 02.03.2016 (lease at Sl. No. 11) he had declared that he holds mining lease in Jamtara. In JIMMS database a mining lease was in his name in Jamtara. Affidavit was incorrect.
13			26.02.2016	Garga/7.85 acre		
14		M/s. Maa Ambe Stone	29.03.2016	Dolabar/1.05 acre	Single affidavit attached	Affidavit had partial content of Rule 9 (1)(a)(7) only. Declared no mining lease but not submitted RCC.
15	Pakur	M/s Bajrang Stone Works	05.02.2016	Suraidih/6.43 acre	One affidavit of one partner only	Affidavit had partial contents of Rule 9 (1)(a)(7) only. Surface right over the applied land was jointly in the name of Dilip Kumar Bhagat and Somraj Bhagat but affidavit of other partner not attached. No RCC attached. Credentials of firm not attached.
16		M/s Black Diamond Stone	29.12.2016	Belpahari/10.36 acre	Affidavit of firm/company not attached	Affidavits had partial contents of Rule 9 (1)(a)(7) only. Credentials of firm not attached.
17		M/s Cygnet stone works	21.09.2016	Jiyajori/05.83 acre	One affidavit of one partner only	Affidavit had partial contents of Rule 9 (1)(a)(7) only. Affidavit of other partner not attached. No RCC attached. Credentials of firm not attached.
18		M/s Sahil Stone works	07.01.2020	Baliapatra/4.63 acre	Individual PAN attached	PAN of firm not attached
19	Palamu	M/s Maa Stone Works	31.01.2020	Damdami/12.00 acre	Single affidavit	Affidavit had partial contents of Rule 9 (1)(a)(7) only. RCC not attached.
20	Sahibganj	M/s O.P.Stone Works	09.09.2017	Sudare/7.00 acre	Single affidavit	Affidavit had partial contents of Rule 9 (1)(a)(7) only. RCC not attached.
21		M/s Maa Rakshi Stone Works	03.01.2020	Bhutaha/3.15 acre	Single affidavit and RCC	Affidavit had partial contents of Rule 9 (1)(a)(6) only.
22		M/s S.B. Stone Works	16.07.2018	Piparjori/12.10 acre		

Sl. No.	District	Name of applicant	Date of last application	Mauza/Area	Document attached	Deficiency in enclosed documents
23	Sahibganj	M/s Minakshi Stone Works	26.07.2017	Demba/10.00 acre	Single affidavit	Affidavit had partial contents of Rule 9 (1)(a)(6) only. RCC not attached.
24		M/s Maharani Stone Works	28.08.2017	Demba/08.10 acre		
25		M/s Mira Pahar Stone Mines	31.12.2016	Mirapahar/9.00 acre	Single affidavit and RCC	Affidavit had partial contents of Rule 9 (1)(a)(6) only.
26		M/s Abhi Stone Works	31.08.2017	Rohre/12.00 acre	Single affidavit	Affidavit had partial contents of Rule 9 (1)(a)(6) only. RCC not attached.
27		M/s Mahakal Stone Works	04.01.2021	Gilmari/6.25 acre		
28		M/s R. B. Stone Works	28.08.2017	Mayurkola/11.25 acre		
29		M/s Kashi Builders & Service Pvt. Ltd.	02.03.2019	Jokmari/7.00 acre		
30		M/s Sri Guru Stone Works	16.06.2017	Dhatapara/10.57 acre	Single affidavit and RCC	Affidavit had partial contents of Rule 9 (1)(a)(6) only.

Appendix-2.2
(Referred to in Paragraph 2.2.3)
Irregular grant of extension of lease period

Sl. No.	District	Details of lease	Type of land	Original lease period	Date of application for extension	Date of grant of extension	Extended up to	Brief of observation
1	Chaibasa	Shri Ajay Kumar Mauza- Gundijora, Area- 4.00 acre	Govt. land	20.12.2009 to 19.12.2019	12.10.2019 and 04.11.2020	26.12.2019 and 18.12.2020	31.03.2020 and 31.03.2022	Renewal application was not pending prior to 02 March 2017 or 19 February 2018 hence, extension was not allowable.
2	Dhanbad	Tej Narayan Singh, Mauza- Keshka, Khata No. 42, Plot No. 21(P), Area- 3.00 acre	Govt. land	22.03.2009 to 21.03.2019	12.12.2018 (1 st extension) and 21.10.2020 (2 nd extension)	23.01.2019 and 08.12.2020	31.03.2020 and 31.03.2022	
3		Tej Narayan Singh, Mauza- Keshka, Khata No. 42, Plot No. 21(P), Area- 2.80 acre.	Govt. land	17.09.2010 to 16.09.2020	31.08.2020 (Renewal)	08.04.2021	31.03.2022	
4		Gayasuddin Ansari Mauza- Marro, Khata No. 20, Plot No. 386(P), Area- 3.5 acre.	Govt. land	06.11.2008 to 05.11.2018	25.06.2018 (Renewal) and 23.12.2020	17.11.2018 and 28.12.2020	31.03.2020 and 31.03.2022	
5		M/s Mahalakshmi Industries Mauza- Marro, Khata No. 20, Plot No. 386(P), Area- 5.00 acre.	Govt. land	13.06.2010 to 12.06.2020	11.02.2021 (Extension)	08.04.2021	31.03.2022	
6		M/s Mahalakshmi Industries Mauza- Marro, Khata No, 20, Plot No. 386(P), Area- 3.00 acre.	Govt. land	12.12.2008 to 11.12.2018	11.08.2018 (Renewal) and 22.10.2020 (Extension)	20.11.2018 and 26.11.2020	31.03.2020 and 31.03.2022	

Sl. No.	District	Details of lease	Type of land	Original lease period	Date of application for extension	Date of grant of extension	Extended up to	Brief of observation
7	Dhanbad	Amit Kumar Mandal. Mauza- Marro, Khata No, 20, Plot No. 386(P), Area- 6.00 acre.	Govt. land	03.01.2009 to 02.01.2019	08.10.2018 (Renewal) and 20.10.2020 (Extension)	06.12.2018 and 04.11.2020	31.03.2020 and 31.03.2022	Renewal application was not pending prior to 02 March 2017 or 19 February 2018 hence, extension was not allowable.
8		M/s Shivay Enterprises Mauza- Salpatra, Khata No. 78, Plot No. 423, 425(P), Area- 2.44 acre,	Govt. land	05.12.2011 to 04.12.2021	29.06.2021	12.01.2022	31.03.2022	
9		Kamlakar Mandal and Tara Pad Mandal, Mauza- Nipniya, Khata No, 54, Plot No. 01(P), Area- 2.00 acre,	Govt. land	27.10.2008 to 26.10.2018	04.06.2018 (Renewal) and 05.01.2021 (Extension)	16.10.2018 and 27.01.2021	31.03.2020 and 31.03.2022	
10		Pradeep Kumar Singh, Mauza- Keshka, Khata No. 42, Plot No. 21(P), Area- 3.50 acre,	Govt. land	28.12.2008 to 27.12.2018	11.07.2018 (Renewal) and 21.10.2020 (Extension)	04.01.2019 and 08.12.2020	31.03.2020 and 31.03.2022	
11		Asit Kumar Mandal and Jagdish Singh. Mauza- Marro, Khata No, 20, Plot No. 386(P), Area- 3.50 acre,	Govt. land	05.11.2008 to 04.11.2018	29.06.2018 (Renewal) and 20.10.2020 (Extension)	17.11.2018 and 04.11.2020	31.03.2020 and 31.03.2022	
12	Pakur	Arti Madhyan, Mauza- Khaprajola, Area- 3.14 Ha.	Private/Raiyati land	24.05.2010 to 23.05.2020	30.12.2020	29.01.2021	31.03.2022	
13		Arti Madhyan, Mauza- Pipaljori, Area- 3.215 Ha.	Private/Raiyati land	19.02.2011 to 18.02.2021	30.12.2020	08.03.2021	31.03.2022	

Sl. No.	District	Details of lease	Type of land	Original lease period	Date of application for extension	Date of grant of extension	Extended up to	Brief of observation
14	Pakur	M/s Jial Das & Co. Mauza- Malpahari, Area- 1.06 Ha.	Private/Raiyati land	25.08.2004 to 24.08.2014	11.01.2021	07.11.2017 and 16.09.2021	31.03.2020 and 31.03.2022	Renewal application has already been deemed rejected on 24.11.2014 under the provision of rule 23(2)(a). Hence, renewal application in this case was not pending on 02.03.2017. Hence, extension was not allowable.
15		M/s Lakhmani Stone Products Mauza- Pipaljori, Area- 4.767 Ha.	Private/Raiyati land	20.08.2010 to 19.08.2020	07.10.2020	02.12.2020	31.03.2022	Renewal application was not pending prior to 02 March 2017 or 19 February 2018 hence, extension was not allowable.
16		M/s Rohit Rajdeo & others. Mauza- Bahirgram, Area- 0.437 Ha,	Private/Raiyati land	12.06.2011 to 11.06.2021	11.05.2021	14.06.2021	31.03.2022	
17		M/s. Maa Tara Stone Works, Mauza- Suraidih, Area- 1.133 Ha.	Private/Raiyati land	07.06.2010 to 06.06.2020	09.11.2020	09.12.2020	31.03.2022	
18		M/s. S.K. Dutta & Co, Mauza- Malpahari, Area- 0.809 Ha.	Private/Raiyati land	01.03.2001 to 28.02.2011	11.11.2020	26.09.2018 and 27.11.2020	31.03.2020 and 31.03.2022	Renewal application has already been deemed rejected on 28.05.2011 under the provision of rule 23(2)(a). Hence, renewal application in this case was not pending on 02.03.2017. Hence, extension was not allowable.





Sl. No.	District	Details of lease	Type of land	Original lease period	Date of application for extension	Date of grant of extension	Extended up to	Brief of observation
19	Pakur	M/s. Saura Constructions, Mauza- Bishanpur, Area- 1.299 Ha.	Private/Raiyati land	01.04.2010 to 31.03.2020	11.11.2020	02.12.2020	31.03.2022	Renewal application was not pending prior to 02 March 2017 or 19 February 2018 hence, extension was not allowable.
20		Hira Lal Bhakat, Mauza- Kanhupur, Area- 2.764 Ha.	Private/Raiyati land	31.08.2010 to 30.08.2020	10.11.2020	12.01.2021	31.03.2022	
21		M/s. Chhabariya Engineering Co., Mauza- Pipaljori, Area- 2.29 Ha.	Private/Raiyati land	01.07.2010 to 30.06.2020	06.02.2021	10.03.2021	31.03.2022	
22	Palamu	Amit Kr. Sinha, Mauza- Bohita, Khata No. 237, Plot No. 317(P), Area- 9.00 acre	Govt. land	25.02.2009 to 24.02.2019	29.10.2018 (Renewal) and 03.11.2020, 23.11.2020 and 10.12.2020 (Extension)	07.03.2019 and 04.01.2021	31.03.2020 and 31.03.2022	
23		Fazle Kareem Mauza- Bakoria, Khata No. 555, Plot No. 4348 and 4381(P), Area- 2.10 acre	Govt. land	17.07.2009 to 16.07.2019	25.03.2021	14.05.2021	31.03.2022	
24		M/s Jai Maa Kali Enterprises Mauza- Bohita, Khata No. 237, Plot No. 317(P), Area- 3.78 acre	Govt. land	24.07.2011 to 23.07.2021	24.05.2021	26.06.2021	31.03.2022	





Sl. No.	District	Details of lease	Type of land	Original lease period	Date of application for extension	Date of grant of extension	Extended up to	Brief of observation
25	Palamu	Uday Kr. Singh Mauza- Chhaparwar, Khata No. 91, Plot No. 128(P), Area- 6.00 acre	Govt. land	14.07.2011 to 13.07.2021	12.04.2021	07.06.2021	31.03.2022	Renewal application was not pending prior to 02 March 2017 or 19 February 2018 hence, extension was not allowable.
26		M/s Broadway Links Pvt. Ltd. Mauza- Chhaparwar, Khata No. 91, Plot No. 128(P), Area- 5.00 acre	Govt. land	10.08.2011 to 09.08.2021	17.05.2021	07.06.2021	31.03.2022	
27	Sahibganj	M/s Ghosh Stone Works, Mauza- Gangopara Bedo, Khasra No. 25(P) & 44(P), Area- 9.30 acre	Private/Raiyati land	11.10.2015 to 10.10.2020	13.07.2020	25.11.2020	31.03.2022	
28		Tarkeshwar Jaiswal, Mauza- Damra Daminbhitha, Khasra No. 9(P), 10(P), 15(P) and 37(P), Area- 9.60 acre	Private/Raiyati land	04.01.2012 to 03.01.2019	25.09.2018 (1 st Renewal) and 02.12.2020 (2 nd Renewal)	03.01.2019 and 13.03.2021	31.03.2020 and 31.03.2022	
29		Mrs. Najnin Bibi Mauza- Margaro, Khasra No. 106(P), Area- 5.00 acre	Private/Raiyati land	21.08.2008 to 20.08.2018	24.05.2018 (1 st Renewal) and 18.11.2020.(2 nd Renewal)	25.02.2019 and 27.01.2021	31.03.2020 and 31.03.2022	
30		Md. Farsad Mauza- Desh Paharia, Khasra No. 73(P), 77(P), 79(P), 83(P) & 100, Area- 3.34 acre	Private/Raiyati land	08.07.2011 to 07.07.2018	05.03.2018 (1 st Renewal) and 06.01.2020 (2 nd Renewal)	21.09.2018 and 29.07.2021	31.03.2020 and 31.03.2022	





Sl. No.	District	Details of lease	Type of land	Original lease period	Date of application for extension	Date of grant of extension	Extended up to	Brief of observation
31	Sahibganj	M/s Hiralal Ajay & Co. Mauza- Gudaitungi, Khasra No. 89, 90, 91 & 92, Area- 5.48 acre	Private/Raiyati land	23.06.2015 to 22.06.2020	09.11.2020	28.11.2020	31.03.2022	Renewal application was not pending prior to 02 March 2017 or 19 February 2018 hence, extension was not allowable.
32		M/s Jai Mata Di Stone Works Mauza- Banchapa, Khasra No. 299(P), 300(P), 301(P), 302 & 303(P), Area- 5.64 acre, Renewal Applied on Khasra No. 299(P) & 300(P), Area- 0.55 acre	Private/Raiyati land	21.12.2011 to 20.12.2018	16.07.2018 (1 st Renewal) and 12.11.2020 (2 nd Renewal)	29.12.2018 and 08.12.2020	31.03.2020 and 31.03.2022	
33		M/s Maa Kalika Stone Works. Mauza- Ambade, Khasra No. 17(P), 18(P), 22, 31(P), 32(P) and 35(P), Area- 11 acre	Private/Raiyati land	04.01.2012 to 03.01.2019	10.09.2018 (1 st Renewal) and 03.01.2020 (2 nd Renewal)	25.02.2019 and 24.12.2020	31.03.2020 and 31.03.2022	


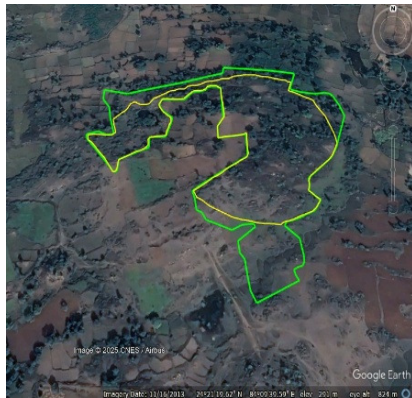


Appendix-4.1
(Referred to in Paragraph 4.1.4.1)



Excess extraction of stone excavated by lessee (within lease area: kml matched with lease area)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Date on extraction calculated) (Note 6)	Google Image of mining pit area (Before grant of lease) (Note 7)
Jaishankar Stone Works, Chatra, Lessee code-308336601, Period of lease-14.07.2014 to 13.07.2024	Lease area- 0.713 Ha.	Lease area (KML file)- 0.71 Ha.	Depth along hypotenuse- 39.60 m	Google image- 17.02.2022	Total Mineral resources-276886 m ³		
	Mining pit area- 0.44 Ha.	Mining pit area- 0.71 Ha.	Slope- 80°	JPV- 23.05.2023	Reserve trapped in slope and haul road - 6240 m ³		
	Safety barrier-0.22 Ha.	Perimeter of mining pit- 393 m	Height- 39 m Base- 6.87 m	Period of production- July 2014- May 2023	Volume extracted- 270646 m ³		
					Production reported- 79650 m ³		
					Excess extraction 190997 m ³	Mining Pit (17.02.2022)	Unexcavated surface (21.01.2011)
Chatania Mines, Chatra, Lessee code-308156501, Period of lease-24.10.2019 to 23.10.2029	Lease area- 2.83 Ha.	Lease area (KML file)- 2.83 Ha.	Depth along hypotenuse- 39.90 m	Google image- 17.02.2022	Total Mineral resource -243709 m ³		
	Mining pit area- 1.8 Ha.	Mining pit area- 0.65 Ha.	Slope- 70°	JPV-23-05-2023	Reserve trapped in slope and haul road- 52052 m ³		
	Safety barrier-0.93 Ha.	Perimeter of mining pit- 168.30 m	Height- 37.49 m Base- 13.65 m	Period of production- October 2019- May 2023	Volume extracted- 191657 m ³		
					Production reported 191657 m ³		
					Excess extraction- 0 m ³	Mining Pit (17.02.2022)	Unexcavated surface (28.12.2018)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Date on extraction calculated) (Note 6)	Google Image of mining pit area (Before grant of lease) (Note 7)
M/s Jai Shiv Construction, Chatra, Lessee code-308336901, Period of lease-12.02.2015 to 11.02.2025	Lease area-1.03 Ha.	Lease area (KML file)-1.03 Ha.	Depth along hypotenuse-64 m	Google image-30.11.2022	Total Mineral resource -542034 m ³		
	Mining pit area- 0.64 Ha.	Mining pit area- 0.86 Ha.	Slope- 80°	JPV-11.05.2023	Reserve trapped in slope and haul road-101328 m ³		
	Safety barrier-0.35 Ha.	Perimeter of mining pit-275 m	Height-63.03 m Base-11.11 m	Period of production-February 2015- May 2023	Volume extracted-440706 m ³ Production reported-144132 m ³		
					Excess extraction-296574 m ³	Mining pit (30.11.2022)	unexcavated surface (16.04.2013)
M/s Trustline Mining and Minerals, Chaibasa, Lessee code-101597101, Period of lease-18.01.2016 to 17.01.2026	Lease area-18.93 Ha.	Lease area (KML file)-19.00 Ha.	Depth along hypotenuse-50 m	Google image-29.05.2022	Total Mineral resources -2038049 m ³		
	Mining pit area- 16.52 Ha.	Mining pit area- 4.22 Ha.	Slope- 75°	JPV-18.08.2023	Reserve trapped in slope and haul road-222993 m ³		
	Safety barrier-2.33 Ha.	Perimeter of mining pit-590 m	Height-48.30 m Base-12.94 m	Period of production-January 2016- August 2023	Volume extracted-1815057 m ³ Production reported-1429890 m ³		
					Excess extraction-385166 m ³	Mining Pit (29.05.2022)	Unexcavated surface (26.04.2014)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Date on extraction calculated) (Note 6)	Google Image of mining pit area (Before grant of lease) (Note 7)
M/s Raj Kumar Khurana, Palamu, Lessee code- 411354101, Period of lease- 17.08.2013 to 16.08.2023	Lease area- 4.05 Ha.	Lease area (KML file)- 4.05 Ha.	Depth along hypotenuse- 61 m	Google image- 25.02.2021	Total Mineral resource -1360300 m ³		
	Mining pit area- 3.10 Ha.	Mining pit area- 2.23 Ha.	Slope- 90°	JPV- 26.11.2022	Reserve trapped in slope and haul road - 18300 m ³		
	Safety barrier-0.91 Ha.	Perimeter of mining pit- 586.74 m	Height- 61 m Base- 0 m	Period of production- August 2013- November 2022	Volume extracted- 1342000 m ³ Production reported- 1342000 m ³		
					Excess extraction-0 m ³	Mining Pit (25.02.2021)	Unexcavated surface (16.04.2013)
M/s Bagaiya Stone Mine, Palamu, Lessee code- 411353903, Period of lease- 08.01.2012 to 07.01.2022	Lease area- 4.046 Ha.	Lease area (KML file)- 4.046 Ha.	Depth along hypotenuse- 94.00 m	Google image- 07.12.2021	Total Mineral resource -3277685 m ³		
	Mining pit area- 3.22 Ha.	Mining pit area- 3.61 Ha.	Slope- 75°	JPV- 10.11.2022	Reserve trapped in slope and haul road- 689906 m ³		
	Safety barrier-0.60 Ha.	Perimeter of mining pit- 526.04 m	Height- 90.79 m Base-24.33 m	Period of production- January 2012- January 2022	Volume extracted- 2587778 m ³ Production reported- 1194282 m ³		
					Excess extraction- 1393496 m ³	Mining Pit (07.12.2021)	Available image (second year of lease dated 16.11.2013)




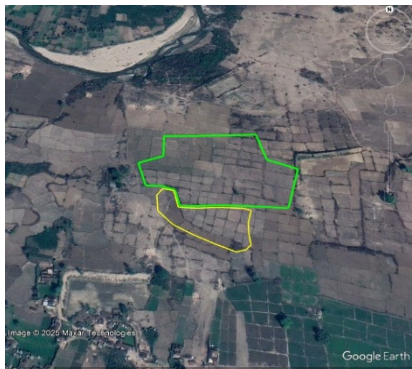
Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Date on extraction calculated) (Note 6)	Google Image of mining pit area (Before grant of lease) (Note 7)
M/s Shyam Stone Works, Palamu Lessee code-411355001, Period of lease 23.07.2015 to 22.07.2025	Lease area-4.856 Ha.	Lease area (KML file)-4.856 Ha.	Depth along hypotenuse-45.00 m	Google image-07.12.2021	Total Mineral resource -1555492 m ³		
	Mining pit area- 2.86 Ha.	Mining pit area- 3.51 Ha.	Slope- 80°	JPV- 02.12.2022	Reserve trapped in slope and haul road-128222 m ³		
	Safety barrier-2.27 Ha.	Perimeter of mining pit-637.16 m	Height-44.32 m Base-7.81 m	Period of production-July 2015-November 2022	Volume extracted-1427270 m ³ Production reported-671478 m ³		
					Excess extraction-755792 m ³	Mining Pit (07.12.2021)	Unexcavated surface (16.11.2013)
M/s Sona Stone Chips, Palamu Lessee code-411354301, Period of lease-12.12.2013 to 11.12.2023	Lease area-0.96 Ha.	Lease area (KML file)-0.96 Ha.	Depth along hypotenuse-35 m	Google image-07.12.2021	Total Mineral resource -294000 m ³		
	Mining pit area- 0.64 Ha.	Mining pit area- 0.84 Ha.	Slope- 90°	JPV- 02.12.2022	Reserve trapped in slope and haul road-9415 m ³		
	Safety barrier-0.28 Ha.	Perimeter of mining pit-95.80 m	Height- 35 m Base- 0 m	Period of production-December 2013-November 2022	Volume extracted-284585 m ³ Production reported 61212 m ³		
					Excess extraction-223373 m ³	Mining Pit (07.12.2021)	Unexcavated surface (16.11.2013)





Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Date on extraction calculated) (Note 6)	Google Image of mining pit area (Before grant of lease) (Note 7)
M/s New Three Star Mines, Pakur, Lessee code- 623160603, Period of lease- 20.03.2020 to 19.03.2030	Lease area- 2.34 Ha.	Lease area (KML file)- 2.34 Ha.	Depth along hypotenuse- 17.65 m	Google image- 16.01.2022	Total Mineral resource -342864 m ³		
	Mining pit area- 0.90 Ha.	Mining pit area- 1.95 Ha.	Slope- 85°	JPV- 07.10.2023	Reserve trapped in slope and haul road- 6553 m ³		
	Safety barrier-0.82 Ha.	Perimeter of mining pit- 354.6 m	Height- 17.58 m Base-1.54 m	Period of production- May 1990- September 2023 (including extraction during previous lease period)	Volume extracted- 336310 m ³ Production reported 152116 m ³		
					Excess extraction- 184194 m ³	Mining Pit (16.01.2022)	Available image (09.03.2019) before start of lease
<p>Note 1 – (Area as per mining plan)- available in Mining plan</p> <p>Note 2- (Details of dimension as per Google image) -lease area, mining pit area, perimeter were calculated by available measurement tool in Google earth application</p> <p>Note 3- (Details of JPV) -1. Depth along hypotenuse - measured by rope tied with stone for load purpose 2. Slope- eye estimation by JPV team 3. Height and base- sin and cos value of angle * depth along hypotenuse</p> <p>Note 4- (Dates), 1. Google image- date of Google image mentioned in image 2. Date of JPV 3. Period of production- production figure available in file and JIMMS (from start of lease period to date of JPV)</p> <p>Note 5- (Details of volume) 1. Total mineral reserve- mining pit area in Ha. (Google image) *10000*Height 2. Reserve trapped in slope- ½* Height * base* Perimeter (along boundary wall) 3. Volume extracted- Total mineral reserve- reserve trapped in slope 4. Production reported- Production reported during period of production 5. Excess extraction - Volume extracted – Production reported.</p> <p>Note 6- Google image based on which calculation of volume done by the Audit, Area in Green line-lease boundary (KML file), Area in Yellow line- excavated area</p> <p>Note 7- Google image showing flat surface (means no extraction) before start of lease</p>							





Appendix-4.2





(Referred to in Paragraph 4.1.4.1)

Excess extraction of stone (Outside lease area: kml matched with lease area)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Image date on which extraction calculated) (Note 6)	Google Image of mining pit area (image date before grant of lease) (Note 7)
Jaishankar Stone Works, Chatra, Lessee code-308336601, Period of lease-14.07.2014 to 13.07.2024	Lease area- 0.713 Ha.	Lease area (KML file)- 0.71 Ha.	Depth along hypotenuse- 39.60 m	Google image- 17-02-2022	Total Mineral resource - 1162143 m ³		
	Mining pit area- 0.44 Ha.	Mining pit area- 2.98 Ha.	Slope- 80°	JPV-23-05-2023	Reserve trapped in slope- 101608 m ³		
	Safety barrier- 0.22 Ha.	Perimeter of mining pit- 758 m	Height- 39 m Base- 6.87 m	Period of production- July 2014- May 2023	Volume extracted- 1060535 m ³		
					Production reported 0 m ³		
					Excess extraction- 1060535 m ³	Mining Pit (17.02.2022)	Unexcavated surface (21.01.2011)
Chatania Mines, Chatra, Lessee code-308156501, Period of lease-24.10.2019 to 23.10.2029	Lease area- 2.83 Ha.	Lease area (KML file)- 2.83 Ha.	Depth along hypotenuse- 39.90 m	Google image- 17-02-2022	Total Mineral resource -292450 m ³		
	Mining pit area- 1.8 Ha.	Mining pit area- 0.78 Ha.	Slope- 70°	JPV-23-05-2023	Reserve trapped in slope- 77179 m ³		
	Safety barrier- 0.93 Ha.	Perimeter of mining pit- 301.70 m	Height- 37.49 m Base- 13.65 m	Period of production- October 2019- May 2023	Volume extracted-215271 m ³		
					Production reported - 19728.58 m ³		
					Excess extraction- 195542.27 m ³	Mining Pit (17.02.2022)	Unexcavated surface (28.12.2018)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Image date on which extraction calculated) (Note 6)	Google Image of mining pit area (image date before grant of lease) (Note 7)
M/s Jai Shiv Construction, Chatra, Lessee code- 308336901, Period of lease- 12.02.2015 to 11.02.2025	Lease area- 1.03 Ha.	Lease area (KML file)- 1.03 Ha.	Depth along hypotenuse- 64 m	Google image- 30-11-2022	Total Mineral resource - 693299 m ³		
	Mining pit area- 0.64 Ha.	Mining pit area- 1.10 Ha.	Slope- 80°	JPV-11-05-2023	Reserve trapped in slope and haul road-111692 m ³		
	Safety barrier- 0.35 Ha.	Perimeter of mining pit- 319 m	Height- 63.03 m Base- 11.11 m	Period of production- February 2015- May 2023	Volume extracted-581608 m ³ Production reported-0 m ³		
					Excess extraction- 581608 m ³	Mining pit (30.11.2022)	unexcavated surface (16.04.2013)
M/s Trustline Mining and Minerals, Chaibasa, Lessee code- 101597101, Period of lease- 18.01.2016 to 17.01.2026	Lease area- 18.93 Ha.	Lease area (KML file)- 19.00 Ha.	Depth along hypotenuse- 50 m	Google image- 29-05-2022	Total Mineral resource - 526415.50 m ³		
	Mining pit area- 16.52 Ha.	Mining pit area- 1.09 Ha.	Slope- 75°	JPV- 18.08.2023	Reserve trapped in slope- 116238.34 m ³		
	Safety barrier- 2.33 Ha.	Perimeter of mining pit- 372 m	Height- 48.30 m Base- 12.94 m	Period of production- January 2016- August 2023	Volume extracted- 410177.16 m ³ Production reported-0 m ³		
					Excess extraction- 410177.16 m ³	Mining Pit (29.05.2022)	Unexcavated surface (26.04.2014)





Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Image date on which extraction calculated) (Note 6)	Google Image of mining pit area (image date before grant of lease) (Note 7)
M/s Raj Kumar Khurana, Palamu, Lessee code- 411354101, Period of lease- 17.08.2013 to 16.08.2023	Lease area- 4.05 Ha.	Lease area (KML file)- 4.05 Ha.	Depth along hypotenuse- 61 m	Google image- 25-02-2021	Total Mineral resource - 579500 m ³		
	Mining pit area- 3.10 Ha.	Mining pit area- 0.95 Ha.	Slope- 90°	JPV-26-11-2022	Reserve trapped in slope-0 m ³		
	Safety barrier- 0.91 Ha.	Perimeter of mining pit- 222.26 m	Height- 61 m Base- 0 m	Period of production- August 2013- November 2022	Volume extracted- 579500 m ³ Production reported-2238 m ³		
					Excess extraction- 577263 m ³	Mining Pit (25.02.2021)	Unexcavated surface (16.04.2013)
M/s Shyam Stone Works, Palamu Lessee code- 411355001, Period of lease 23.07.2015 to 22.07.2025, M/s Sona Stone Chips, Lessee code- Palamu Lessee code- 411354301, Period of lease- 12.12.2013 to 11.12.2023	Lease area- 4.856 Ha., 0.96 Ha.	Lease area (KML file)- 4.856 Ha., 0.96 Ha.	Depth along hypotenuse- 35 m	Google image- 07-12-2021	Total Mineral resource - 1137444 m ³		
	Mining pit area- 2.86 Ha., 0.64 Ha.,	Mining pit area- 3.30 Ha.	Slope- 80°	JPV-02-12-2022	Reserve trapped in slope- 63897.40 m ³		
	Safety barrier- 2.27 Ha., 0.28 Ha.	Perimeter of mining pit- 610.21 m	Height- 34.47 m Base-6.08 m	Period of production- December 2013- November 2022	Volume extracted- 1073546.60 m ³ Production reported 0 m ³		
					Excess extraction- 1073546.60 m ³	Mining Pit (07.12.2021)	Unexcavated surface (16.11.2013)





Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Image date on which extraction calculated) (Note 6)	Google Image of mining pit area (image date before grant of lease) (Note 7)
M/s Bagaiya Stone Mine, Palamu, Lessee code- 411353903, Period of lease- 08.01.2012 to 07.01.2022	Lease area- 4.046 Ha.	Lease area (KML file)- 4.046 Ha.	Depth along hypotenuse- 94.00 m	Google image- 07-12-2021	Total Mineral resource - 299622.18 m ³		
	Mining pit area- 3.22 Ha.	Mining pit area- 0.33 Ha.	Slope- 75°	JPV-10-11-2022	Reserve trapped in slope- 269426.79 m ³		
	Safety barrier- 0.60 Ha.	Perimeter of mining pit- 243.96 m	Height- 90.79 m Base-24.33 m	Period of production- January 2012- January 2022	Volume extracted- 30195.39 m ³ Production reported-0 m ³		
					Excess extraction- 30195.39 m ³		
						Mining Pit (07.12.2021)	Unexcavated surface (16.11.2013)
M/s New Three Star Mines, Pakur, Lessee code- 623160603, Period of lease- 20.03.2020 to 19.03.2030	Lease area- 2.34 Ha.	Lease area (KML file)- 2.34 Ha.	Depth along hypotenuse- 17.65 m	Google image- 16-01-2022	Total Mineral resource -152970 m ³		
	Mining pit area- 0.90 Ha.	Mining pit area- 0.87 Ha.	Slope- 85°	JPV-07-10-2023	Reserve trapped in slope-4969 m ³		
	Safety barrier- 0.82 Ha.	Perimeter of mining pit- 367.40 m	Height- 17.58 m Base-1.54 m	Period of production- March 2020- September 2023	Volume extracted-148001 m ³ Production reported 0 m ³		
					Excess extraction- 148001 m ³		
						Mining Pit (16.01.2022)	Available image (09.03.2019) before start of lease

Notes pertaining to Appendix-4.2
<p>Note 1– (Area as per mining plan)- available in Mining plan</p> <p>Note 2- (Details of dimension as per Google image) -lease area, mining pit area, perimeter were calculated by available measurement tool in Google earth application</p> <p>Note 3- (Details of JPV) -1. Depth along hypotenuse- measured by rope tied with stone for load purpose 2. Slope- eye estimation by JPV team 3. Height and base- sin and cos value of angle * depth along hypotenuse</p> <p>Note 4- (Dates), 1. Google image- date of Google image mentioned in image 2. Date of JPV 3. Period of production- production figure available in file and JIMMS (from start of lease period to date of JPV)</p> <p>Note 5- (Details of volume) 1. Total mineral reserve- mining pit area in Ha. (Google image) *10000*Height 2. Reserve trapped in slope- $\frac{1}{2}$* Height * base* Perimeter (along boundary wall) 3. Volume extracted- Total mineral reserve- reserve trapped in slope 4. Production reported- Production reported during period of production 5. Excess extraction- Volume extracted – Production reported.</p> <p>Note 6- Google image based on which calculation of volume done by the Audit, Area in Green line-lease boundary (KML file), Area in Yellow line- excavated area</p> <p>Note 7- Google image showing flat surface (means no extraction) before start of lease</p>

Appendix-4.3
(Referred to in Paragraph 4.1.4.1)

Excess extraction of stone excavated by lessee (kml not matched with lease area)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Image date on which extraction calculated) (Note 6)	Google Image of mining pit area (image date before grant of lease) (Note 7)
M/s Ashutosh Stone Works, Chatra, Lessee code-308013401, Period of lease-26.06.2014 to 25.06.2024	Lease area- 4.04 hectare	Lease area (KML file)- 2.93 hectare	Depth along hypotenuse- 42 m	Google image- 17-02-2022	Total Mineral resource - 1364933 m ³		
	Mining pit area- 2.99 hectare	Mining pit area- 3.3 hectare	Slope- 80°	JPV-23-05-2023	Reserve trapped in slope and haul road- 120760 m ³		
	Safety barrier- 1.05 hectare	Perimeter of mining pit- 746 m	Height- 41.36 m Base-7.29 m	Period of production- June 2014- May 2023	Volume extracted- 1244173 m ³ Production reported- 305748 m ³		
					Excess extraction- 938425 m ³	Mining Pit (17.02.2022)	Unexcavated surface (16.04.2013)
M/s CTS Industries Ltd., Chaibasa Lessee code-101334703, Period of lease-23.02.2016 to 22.02.2026	Lease area- 3.64 hectare	Lease area (KML file)- 6.7 hectare	Depth along hypotenuse- 26.52 m	Google image- 29-05-2022	Total Mineral resource - 454434 m ³		
	Mining pit area- 3.10 hectare	Mining pit area- 1.74 hectare	Slope- 80°	JPV-18-08-2023	Reserve trapped in slope and haul road- 39551 m ³		
	Safety barrier- 0.54 hectare	Perimeter of mining pit- 571 m	Height- 26.12 m Base-4.60 m	Period of production- February 2016- August 2023	Volume extracted- 414882 m ³ Production reported- 140537 m ³		
					Excess extraction- 274346 m ³	Mining Pit (29.05.2022)	Flat surface (26.04.2014)

Details of lessee	Area as per mining plan (Note 1)	Details of dimension per Google Image (Note 2)	Details JPV (Note 3)	Dates (Note 4)	Details of volume (Note 5)	Google Image of mining pit area (Image date on which extraction calculated) (Note 6)	Google Image of mining pit area (image date before grant of lease) (Note 7)
M/s Ramashish Singh, Palamu, Lessee code- 411596801, Period of lease- 23.03.2016 to 22.03.2026	Lease area- 4.85 hectare	Lease area (KML file)- 5.83 hectare	Depth along hypotenuse- 24.38 m	Google image- 13-12-2022	Total Mineral resource - 1440565 m ³		
	Mining pit area- 4.19 hectare	Mining pit area- 6.0 hectare	Slope- 80°	JPV-02-06-2023	Reserve trapped in slope and haul road - 107872 m ³		
	Safety barrier- 0.66 hectare	Perimeter of mining pit- 989 m	Height- 24.01 m Base-4.23 m	Period of production- March 2016- June 2023	Volume extracted- 1332693 m ³ Production reported- 998297 m ³		
					Excess extraction- 334396 m ³	Mining Pit (image date 13.12.2022)	Flat surface (image date 02.06.2013)
M/s Sky Stone Works, Sahibganj, Lessee code- 620829301, Period of lease- 06.11.2017 to 05.11.2027	Lease area- 2.86 hectare	Lease area (KML file)- 3.54 hectare	Depth along hypotenuse- 24.38 m	Google image- 07-03-2022	Total Mineral resource - 360141 m ³		
	Mining pit area- 1.66 hectare	Mining pit area- 1.5 hectare	Slope- 80°	JPV-21-09-2023	Reserve trapped in slope and haul road - 41296 m ³		
	Safety barrier - 0.53 hectare	Perimeter of mining pit- 482 m	Height- 24.01 m Base-4.23 m	Period of production- November 2017- September 2023	Volume extracted- 318845 m ³ Production reported- 20813 m ³		
					Excess extraction- 298032 m ³	Mining Pit (07.03.2022)	Flat surface (23.02.2016)

Notes pertaining to Appendix-4.3

Note 1– (Area as per mining plan)- available in Mining plan

Note 2- (Details of dimension as per Google image) -lease area, mining pit area, perimeter were calculated by available measurement tool in Google earth application

Note 3- (Details of JPV) -1. Depth along hypotenuse- measured by rope tied with stone for load purpose 2. Slope- eye estimation by JPV team 3. Height and base- sin and cos value of angle * depth along hypotenuse

Note 4- (Dates), 1. Google image- date of Google image mentioned in image 2. Date of JPV 3. Period of production- production figure available in file and JIMMS (from start of lease period to date of JPV)

Note 5- (Details of volume) 1. Total mineral reserve- mining pit area in hectare (Google image) *10000*Height 2. Reserve trapped in slope- $\frac{1}{2}$ * Height * base* Perimeter (along boundary wall) 3. Volume extracted- Total mineral reserve- reserve trapped in slope 4. Production reported- Production reported during period of production 5. Excess extraction - Volume extracted – Production reported.

Note 6- Google image based on which calculation of volume done by the Audit, Area in Green line-mining pit area

Note 7- Google image showing flat surface (means no extraction) before start of lease

