

**Part-I: General**

<b>S. N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Balda Iron Ore Block
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	343.981 Ha ( As per DGPS) & 335.594 Ha(As per RoR)
3	Mine code	30 ORI 08123
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5624/2011
5	Name of the lessee, Address, phone, email and fax number	Md.Seraj Yusha. 72 , Bentinck Street, Esplanade Post Office, Kolkata,700069, Phone: 7437002503 email:info@serajuddinmines.com Fax No: 033-223125652
6	Village	Balda, Bada Kalimati & Nayagargh
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pin code	758086
10	State	Odisha
11	Post office	Balda
12	Nearest police station	Bamebari
13	Nearest Railway station	Nayagarh
14	Date of Grant of Mining Lease	07.07.2020
15	Date of Execution	08.07.2020
16	Date of opening of Mine	28.09.2020
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Md. Seraj Yusha, (Joint Managing Partner 72, Bentinck Street, Esplanade Post Office, Kolkata,700069, Phone: 7437002503 email: info@serajuddinmines.com Fax No: 0674-2301898
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr.Prafulla Kumar Pati Balda Iron Ore Block Mines,M/s Serajuddin & Co , At/Po-Balda, Dist-Keonjhar, Odisha, 758086 Mob No.7437002503 Email: prafulla@serajuddinmines.com Fax No: 0674-2301898

	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	Mr. Anjan Kumar Sahu, AMIE (1997), FCC, Mines Manager & 21.09.2012. Balda Iron Ore Block Mines, M/s Serajuddin & Co At/Po-Balda, Dist-Keonjhar, Odisha, 758086 Mob No. – 7437002510, Email: <a href="mailto:anjan@serajuddinmines.com">anjan@serajuddinmines.com</a> Fax No: 0674-2301898
23	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine,	Mr. Prasanta Kumar Pradhan, Degree in Mining Engineering (2017), Second Class Mines Manager & 09.10.2015 Balda Iron Ore Block Mines, M/s Serajuddin & Co At/Po-Balda, Dist-Keonjhar, Odisha, 758086 Mob No. – 7735647130 Email: Kumarprasanta362@gmail.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Sourav Kumar Sahoo. M.Sc (Geology-1995) & 08.10.2014. (Full Time)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modification of Mining plan submitted under rule 17(3) of MCR 2016 with Progressive mine closure plan submitted under rule 23 of MCDR 2017 Vide letter No. MPM/A/41-ORI/BHU/2020-21/50 Date: 09.04.2021.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Mining plan submitted under rule 16(1) of MCR 2016 with Progressive mine closure plan submitted under rule 23 of MCDR 2017 Vide letter No. MP/A/29-ORI/BHU/2020-21/2244 Date: 04.12.2020.
27	Mineral(s) granted in lease and proved for mining	Hematite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non Captive	Non-Captive

**PART III-MCDR Report details.**

**1. Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining.

**Exploration:**

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year (2021-22)	70 Nos.	Nil	Due to want of Forest clearance, no exploration work has been carried out.
1b	Exploration over lease area for Geological axis 1 or 2.	Proposal Explored G2 level convert to G1 level	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not shown in approved modified mining plan	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Proposal Explored G2 level convert to G1 level	Nil	
1e	Balance reserves and resource as on 01.04.2023	170.372354 Million Tonne.	188.338 Million Tonne	

**2. Development:**

S.N.	Item	Proposals				Actual work	Remarks
2a	Location of development w.r.t. lease area	Name of the quarries proposed to be developed		Grid location		Has been followed.	
		Block-A		2420753N to 2421529N & 334626E to 335117E			
		Block-F1		2419770N to 2420353N & 335906E to 336094E			
		Kalimati pit		2419060N to 2419610N & 335140E to 335480E			
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Pit Name	No. Of Benches in Top Soil	No. Of Benches in OB	No. Of Benches in Mineral	Has been followed.	
		Block-A	Nil	02	11		
		Block-F1	Nil	1	6		
		Kalimati	Nil	1	6		
2c	Stripping ratio or ore to OB ratio (in tonne)	1:0.16				1:0.00	
2d	Quantity of topsoil generation in m <sup>3</sup>	No Proposal				Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	1308846 (2022-23)				Nil	

**3. Exploitation (2022-23 )**

S.N.	Item	Proposals	Actual work	Remarks
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3a	Number of pits proposed for production	3 Pits (Block-A, Block-Kalimati & Block-F1)		01 Pits (Block-A,	
3b	Quantity of ROM mineral production proposed	10.632 Million Ton		3.839 Million Ton.	
3c	Recovery of saleable/usable mineral from ROM production	Saleable ore incidence	100% of total excavation within saleable zone (+55% Fe)	Saleable ore incidence	100% of total excavation within saleable zone (+55% Fe)
		Mineral reject	100% of total excavation within Mineral reject zone (45-55% Fe)	Mineral reject	100% of total excavation within Mineral reject zone (45-55% Fe)
		Intercalated waste	Nil	Intercalated waste	Nil
3d	Quantity of mineral reject generation	692929.99MT		Nil	
3e	Grade of mineral reject generation and threshold value declared	<b>45-55% Fe &amp; Threshold value is -45% Fe.</b>		<b>45-55% Fe &amp; Threshold value is -45% Fe.</b>	
3f	Quantity of sub-grade mineral generation	Nil		Nil	
3g	Grade of sub-grade mineral generation	No proposal in approved mining Plan		Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized Method		Mechanized Method	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal		Nil	

3j	Provision of drilling & blasting in mineral benches	Drilling and blasting will be adopted for loosening of hard rock mass which is about 60% of the total excavation. Drilling of the blast holes will be done by hydraulic/crawler mounted drill DP 1100 having 102mm dia. Rock breaker will be used for secondary breaking. Loading and transportation will be carried out with the help of excavator	Drilling and blasting will be adopted for loosening of hard rock mass which is about 60% of the total excavation. Drilling of the blast holes will be done by hydraulic/crawler mounted drill DP 1100 having 102mm dia. Rock breaker will be used for secondary breaking. Loading and transportation will be carried out with the help of excavator																																											
3k	Provision of mining machineries in mineral benches	<b>HEMM are deployed in Mineral benches</b>																																												
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	<b>Bench Geometry.</b> 1.Height -10mtr 2.Width-18 mtr and more 3.Bench slope angle-85 degree 4.Over all Quarry slope angle-37.5 degree	<b>Bench Geometry.</b> 1.Height -10mtr 2.Width-18 mtr and more 3.Bench slope angle- less than 85 degree 4.Over all Quarry slope angle- less than37.5 degree.																																											
3m	Total area covered under excavation/pits	165.004 Ha covered under excavation as per plan period	131.94 (As on 01.04.2023)																																											
3n	Ore to OB ratio for the pit/mine during the year(T/M3)	1:0.16 ( As per approved Modification of Mining Plan )	1:0.0																																											
3o	Total area put in use under different heads at the end of year	<table border="1"> <tr> <td>1</td> <td>Area under mining</td> <td>131.944</td> </tr> <tr> <td>2</td> <td>Storage for topsoil</td> <td>0.000</td> </tr> <tr> <td>3</td> <td>Waste dump site</td> <td>9.675</td> </tr> <tr> <td>4</td> <td>Mineral storage</td> <td>11.594</td> </tr> <tr> <td>5</td> <td>Infrastructure (Workshop, administrative building, weigh bridge)</td> <td>1.336</td> </tr> <tr> <td>6</td> <td>Roads</td> <td>11.980</td> </tr> <tr> <td>7</td> <td>Railway</td> <td>0.000</td> </tr> <tr> <td>8</td> <td>Tailing pond</td> <td>0.000</td> </tr> <tr> <td>9</td> <td>Effluent treatment plant</td> <td>0.000</td> </tr> <tr> <td>10</td> <td>Mineral Separation Plant, Crushing/ Screening Unit etc.</td> <td>0.80</td> </tr> <tr> <td>11</td> <td>Township area</td> <td>0.000</td> </tr> <tr> <td>12</td> <td>Others</td> <td>6.95</td> </tr> <tr> <td>13</td> <td>Undisturbed Area</td> <td>169.702</td> </tr> <tr> <td>14</td> <td><b>Grand Total :</b></td> <td>335.594</td> </tr> </table>		1	Area under mining	131.944	2	Storage for topsoil	0.000	3	Waste dump site	9.675	4	Mineral storage	11.594	5	Infrastructure (Workshop, administrative building, weigh bridge)	1.336	6	Roads	11.980	7	Railway	0.000	8	Tailing pond	0.000	9	Effluent treatment plant	0.000	10	Mineral Separation Plant, Crushing/ Screening Unit etc.	0.80	11	Township area	0.000	12	Others	6.95	13	Undisturbed Area	169.702	14	<b>Grand Total :</b>	335.594	
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3p	Production of ROM mineral during the period 2020-21 to 2022-23	<table border="1"> <thead> <tr> <th>Year</th> <th>Proposal Qty. (In Mt.)</th> <th>Year</th> <th>Achievement Qty. (In Mt.)</th> </tr> </thead> <tbody> <tr> <td>2020-21</td> <td>10.63</td> <td>2020-21</td> <td>3.652</td> </tr> <tr> <td>2021-22</td> <td>10.63</td> <td>2021-22</td> <td>7.151</td> </tr> <tr> <td>2022-23</td> <td>10.63</td> <td>2022-23</td> <td>3.856</td> </tr> </tbody> </table>		Year	Proposal Qty. (In Mt.)	Year	Achievement Qty. (In Mt.)	2020-21	10.63	2020-21	3.652	2021-22	10.63	2021-22	7.151	2022-23	10.63	2022-23	3.856																											
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**4. Solid Waste Management-Dumping:**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Top Soil- Nil OB dump-Dump No1.Dump No.3 & F1 Block southern side between section 17 & 18	No Generation of OB, Top soil & Mineral Reject.	
4b	Location of topsoil, OB & mineral reject dumps	OB dump-Dump No1.Dump No.3 & F1 Block southern side between section 17 & 18	OB dump-Dump No1.Dump No.3 & F1 Block southern side between section 17 & 18	
4c	Number of dumps within lease area and outside lease area	3 nos of OB dumps within the lease area.	3 nos of OB dumps within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	3 no of existing dump known as Dump No-1( Western part of Block A & Dump No-2 ( Near F1 block ) & Dump No -3 with area covered 3.5Ha ,4.015 Ha & 1.02 Ha respectively .	3 no of existing dump known as Dump No-1( Western part of Block A & Dump No-2 ( Near F1 block ) & Dump No -3 with area covered 3.5Ha ,4.015 Ha & 1.02 Ha respectively .	
4e	Number of active & alive dumps	DUMP-1,DUMP-2 & DUMP-3	DUMP-1,DUMP-2 & DUMP-3	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps	Constructed & maintained.	Constructed & maintained.	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall-300mX2mX1.5m Garland drain-300mX1.5mX1.0m.	Not done	
4j	Number of settling ponds	No proposal	Nil	

**5. Solid Waste Management-Backfilling:**

S.N.	Item	Proposals	Actual work	Remarks
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5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction done by previous lessee of Southern part of Block F1 side between section 17 & 18	Nil	
5b	Area under backfilling of mined out area	Area under back filling between section 17 & 18 of Block F1 southern side.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal.	Nil	
5d	Total area fully reclaimed	No proposal during this financial period.	Nil	
	& rehabilitated			

**6. Progressive Mine Closure Plan:**

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Due date for submission before 1st July of Every Year for previous Financial Year.	Under process and to be submitted within due course of time.	
6b	Area available for rehabilitation (ha)	No Proposal	Nil	
6c	Afforestation done (ha)	0.50 Ha (Gap Plantation)	2.33 Ha for the FY 2022-23 . 5.273 Ha by the new lessee from 2020 to 2023 of total plantation numbers =7514	
6d	No. of saplings planted during the year	1500	3500	
6e	Cumulative no. of plants	5000 No's during approved modified plan period	7514 No's till 31.03.2023	
6f	Any other specific method of rehabilitation	No Proposal	Nil	



6g	Cost incurred on watch& care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling	109575 M <sup>3</sup> back filling has been proposed at Block F1 along section 17 & 18.	Nil	
	(i)Voids available for backfilling (L X B X D).	499.975 M <sup>3</sup>	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling	Nil	Nil	
	(ii) Void filled by waste/tailings.	1095.75 M <sup>3</sup>	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling	Nil	Nil	
	(iii) Afforestation on the backfilled area.			
6k	Compliance on reclamation and rehabilitation by backfilling  (iv) Rehabilitation by making water reservoir.	Nil	Nil	
6l	Compliance on reclamation and (v) Any other specific means	Nil	Nil	
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	Nil	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Nil	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Periodically 6 month Compliance of Environmental monitoring carried out as per the condition imposed by MOEF and climate change	Submitted in due time.	

**7. Mineral Conservation:**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	<b>Grade wise sorting of Fines-</b> 45-55% Fe ,55-58%Fe, 58-60%Fe, 60-62%Fe, 62-65%Fe, <b>Grade wise sorting of lumps-</b> 58-60% Fe, 60-62% Fe, 62-65%Fe,	<b>Grade wise sorting of Fines-</b> 45-55% Fe ,55-58%Fe, 58-60%Fe, 60-62%Fe, 62-65%Fe, <b>Grade wise sorting of lumps-</b> 58-60% Fe, 60-62% Fe, 62-65%Fe,	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	<b>Grade wise sorting of Fines-</b> 45-55% Fe ,55-58%Fe, 58-60%Fe, 60-62%Fe, 62-65%Fe, <b>Grade wise sorting of lumps-</b> 58-60% Fe, 60-62% Fe, 62-65%Fe,	Followed as per proposal.	
7d	Any beneficiation process at mines	Dry beneficiation through Screening plant.	Dry beneficiation through Screening plant.	

**8. Environment:**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Nil	
8b	Concurrent use or storage of topsoil	No Proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Overburden dumps are laying on non-mineralized zone & the mineral reject generation ( say 90%) is being blended with high grade to maintain dispatchable grade.	During this financial year 2022-23 there is no generation of waste material.	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use.	3 no of existing dump known as Dump No-1( Western part of Block A & Dump No-2 ( Near F1 block ) & Dump No -3 with area covered 3.5Ha ,4.015 Ha & 1.02 Ha respectively fall in non-mineralized zone which was approved earlier.Apart from that back filling has been took place southern part of Block F1 along section 17 & 18 as Iron Ore has been already exhausted..	3 no of existing dump known as Dump No-1( Western part of Block A & Dump No-2 ( Near F1 block ) & Dump No -3 with area covered 3.5Ha ,4.015 Ha & 1.02 Ha respectively fall in non-mineralized zone which was approved earlier.Apart from that back filling has been took place southern part of Block F1 along section 17 & 18 as Iron Ore has been already exhausted.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	3 no of existing dump known as Dump No-1( Western part of Block A & Dump No-2 ( Near F1 block ) & Dump No -3 with area covered 3.5Ha ,4.015 Ha & 1.02 Ha respectively fall in non-mineralized zone which was approved earlier.Apart from that back filling has been took place southern part of Block F1 along section 17 & 18 as Iron Ore has been already exhausted.	3 no of existing dump known as Dump No-1( Western part of Block A & Dump No-2 ( Near F1 block ) & Dump No -3 with area covered 3.5Ha ,4.015 Ha & 1.02 Ha respectively fall in non-mineralized zone which was approved earlier.Apart from that back filling has been took place southern part of Block F1 along section 17 & 18 as Iron Ore has been already exhausted.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1500 Nos.	3500 Nos.	
8g	Survival rate	100%	95%	
8h	Water sprinkling on roads to control airborne dust	<p>a. Regular water spraying on haul roads, waste dumps and maintaining approach roads, to suppress the dust.</p> <p>b. The volume of dust rising from waste dump areas, quarry site, roads, etc. by action of wind shall be checked by planting grasses and broad leaf trees.</p> <p>c. Ensuring transporting vehicles not to cross the stipulated speed. A strict instruction e. should also be given in the board it shall be displayed that no vehicle should run greater than a speed of 30 Km/hour.</p> <p>d. Over loading on transport vehicles to be prevented in order to stop spillage.</p> <p>e. Strengthening further the green belt plantation around ML area, quarry and over burden dump as well as crushing plant site.</p> <p>f. Water spraying in the ore stack yard will be done to check air borne dust.</p> <p>pollution and minimization of its effect</p>	<p>Airborne dust controlling by providing 6 nos of water tanker in all mining operational area as well as haul road and public road. Fixed water sprinkling system has been provided along the haul road covering 7km to suppress the airborne dust. In addition to that dry fog system has been adopted to control the airborne dust.</p>	
		<p>g. Exhaust fumes in the internal combustion engines used in excavators, ensuring vigorous maintenance and stringent overhaul schedules shall minimize dumpers, dozers and other machinery.</p> <p>h. Wet drilling method shall be adopted.</p> <p>i. Water injection system in drill and wearing of PPE by driller to be proposed to control air</p>		

**9. Compliance of Rule 45 (2022-23)**

S.N.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return - Submitted in online portal on or before 10 <sup>th</sup> of every succeeded month.  Annual return submitted in online portal every year on or before 1 <sup>st</sup> July for the last financial year.	Monthly return Submitted on or before 10 <sup>th</sup> of Every month.  Annual return submitted by the lessee on or before 1 <sup>st</sup> July.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer: Mr.Prasanta Kumar Pradhan,Degree in Mining Engineering (2017), Second Class Mines Manager & 09.10.2015. Details of Geologist: Mr. Sourav Kumar Sahoo. M.Sc (Geology-1995) & 08.10.2014. (Full Time) Details of Mines Manager: Mr. Anjan Kumar Sahu, AMIE (1997), FCC, Mines Manager & 21.09.2012. Balda Iron Ore Block Mines,	Details of Mining Engineer: Mr.Prasanta Kumar Pradhan,Degree in Mining Engineering (2017), Second Class Mines Manager & 09.10.2015. Details of Geologist: Mr. Sourav Kumar Sahoo. M.Sc (Geology-1995) & 08.10.2014. (Full Time) Details of Mines Manager: Mr. Anjan Kumar Sahu, AMIE (1997), FCC, Mines Manager & 21.09.2012. Balda Iron Ore Block	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	131.944 Ha Cover under pits,9.675 Ha area has been utilized for waste disposal i.e dumps for the FY 2022-23	131.944 Ha Cover under pits,9.675 Ha area has been utilized for waste disposal i.e dumps for the FY 2022-23	
9d	Scrutiny of Annual return on Afforestation	1500 nos of samplings for afforestation.	3500 nos of samplings for afforestation done the lessee @95% survival rate.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	692929.99 MT proposal for the year 2022-23 with grade 45% Fe to 55% Fe.	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	10632675.490 MT	3856080.000 MT.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost etc.	<b>Sale value :</b> 60% Fe to 62% Fe Lumps- Rs.594901859.7 -	Sale Value FY 22-23 Fines 62-65% - Rs.1748849162.80	

		<p>Ex Mines Price-9314/PMT 62% Fe to 65% Fe Lumps Rs.4567261376 Ex Mine Price-10102/PMT 60% to Below 62% Fe(Fines) Rs.2417288729 Ex Mines Price-5832/PMT 62% Fe to 65% Fe (Fines) Rs.3596208284 Ex Mines Price-5045/PMT Despatch Details 60-62% Fe Lumps-63870.970MT 62-65% Fe -452132.450 60% to 62% Fe Fines-414480.960 MT 62% to 65% Fines 712823.583 MT Production Cost 2410.480 /PMT. For the FY 2021-22.</p>	<p>Despatch Qty. 409966.878 Ex Mines Rs.4265.830 /PMT Fines 58-60% - Despatch Qty. Rs.25163.770 Rs.60393048.00 Ex Mines Price Rs.2400/PMT</p> <p>Production cost is under preparation ,will be depicted in Annual Return Fy 2022-23 in due course of time.</p>	
9h	Scrutiny of Annual return on fixed assets	Fixed asset Excluding depreciation Rs 469605142 for the Fy 2021-22.	Its is under preparation & will be depicted in Annual Return in form G1 within due course of time for 2022-23.	
9i	Scrutiny of Annual return on mining machineries	Screen Plant, Crushing Units, dozers, graders rock breakers, dumpers, Weighbridges, Proclaim, tankers have been utilized by the lessee for various mining activities inside the mines & water tanker has been used in roads for sprinkling purposes towards suppression of dusts.	Found in order	

## Details of violations observed during current inspection

Rule No.	Proposed as per Mining Plan/ Rule Position	Violation
11(1)	<p>(i) As per the Mining Plan approved vide letter No. RMP/A/02-ORI/BHU/2021-22, dated 09.04.2021 , it was proposed</p> <p>i) To drill <b>50</b> nos. of exploratory bore holes in</p>	<p>During the Inspection it is observed that,</p> <p>i) Exploration- Nil ii) Bench height,width and slope angle are not maintained.</p>

	<p>the year 2022-23.</p> <p>ii) To maintain Bench height- 10 mt,width 18 mt and slope angle 85 degree.</p> <p>iii) To construct Retaining wall- 200m*2m*1.5m(L*W*H) &amp; Garland drain – 250m*1.5m*1m (L*W*D)</p>	<p>iii) Retaining wall &amp; Garland drain are not constructed.</p>
14(2)	<p>The mineral or ore stock above the limit specified in the threshold values of minerals have not been properly maintained indicating the quantity and quality of all such material stacked, and the month-wise inventory of such materials have not been maintained and updated.</p>	
33	<p>The holder of a mining lease shall, on or before the 30<sup>th</sup> day of June every year submit to the authorized officer, as the case may be, and the State Government, a digital copy along with a print copy of the surface geological plans and sections maintained under rule 32.</p>	<p>The copy of surface geological plans and sections has not been submitted for the year 2021-22 to the Regional Controller Mines.</p>
14(4)	<p>The ground selected for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals have not been proved for absence or presence of underlying mineral deposits before it is brought into use for dumping.</p>	
19(1)	<p>Log books of heavy earth moving machinery used in mines in respect of each machine showing date-wise account of hours worked, hours not worked, reasons for non-working, consumption of fuel or energy and lubricants and output of the machine during the corresponding working hours, have not been maintained.</p>	
34 A	<p>Every lessee having an annual excavation plan of one million tonne or more in a particular year; or leased area of fifty hectare or more, shall carry out a drone survey of the leased area and up to hundred metres outside the lease boundary in the month of April or May every year and submit the processed output [digital elevation model (DEM) and Orthomosaic] images obtained from such survey or any other format as may be specified by the Indian Bureau of Mines in this regard to the Controller General on or before 1st day of July every year. Drone image as per Rule 34A has not been submitted till date.</p>	