



State Level Environment Impact Assessment Authority, Jharkhand
Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi, Jharkhand-834 004
E-mail: msseiaa.jhk@gmail.com/chr-seiaajhr@gov.in
website: www.jseiaa.org

Letter No.-EC/SEIAA/2022-23/2573/2022/

Ranchi, Date:

To: M/s Fairmine Carbons Pvt. Ltd
Sri Rajeev Kumar Singh (Director),
401, 4th Floor, 'Crosswindz',
41, Court Road, Distt. – Ranchi,
State – Jharkhand, Pin Code - 834001.

Corrigendum

Sub: Corrigendum of Environmental Clearance for the project “Rajhara North (Central & Eastern) Coal Mine Opencast Project of M/s Fairmine Carbons Pvt. Ltd. at Mouza : Rajhara & Pandwa, Thana : Nawa Bazar & Pandwa, Thana no. : 132 & 198, Distt. : Palamu, Jharkhand (116.80 Ha)” (Proposal No. : SIA/JH/CMIN/294308/2022) – regarding.

Ref: Your online application dated – 22.11.2022.

1. This is in continuation of Environmental Clearance issued by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand vide letter no.-EC/SEIAA/2022-23/2573/2022/278, Ranchi. Date : 27.10.2022 and further reference to your online application dated : 22.11.2022 and online application no : SIA/JH/CMIN/294308/2022 requesting for corrigendum of Environmental Clearance with regard to **change of boundary Co-ordinates and lease address.**

2. The State Level Environment Impact Assessment Authority (SEIAA), Jharkhand has accorded the Environmental Clearance vide office letter no. : EC/SEIAA/2022-23/2573/2022/278, Ranchi. Date : 27.10.2022 for “Rajhara North (Central & Eastern) Coal Mine Opencast Project of M/s Fairmine Carbons Pvt. Ltd. at Mouza : Rajhara & Pandwa, Thana : Nawa Bazar & Pandwa, Thana no. : 132 & 198, Distt. : Palamu, Jharkhand (116.80 Ha)”. The project proponent has requested to issue the corrigendum of Environmental Clearance w.r.t. inter change of **change of boundary Co-ordinates and lease address.**

3. Your request has been examined by the State Level Expert Appraisal Committee (SEAC), Jharkhand in its 99th meeting held on 07th, 08th, 09th, 10th & 11th December, 2022, based on the information furnished/provided and discussion held, the State Level Expert Appraisal Committee, (SEAC) recommended to issue **corrigendum of earlier Environmental Clearance** issued vide letter no. : EC/SEIAA/2022-23/2573/2022/278, Ranchi. Date : 27.10.2022, as the following:-

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The PA's vide online application no. SIA/JH/CMIN /294308/2022 has requested for necessary correction in Environmental Clearance issued vide letter no. EC/SEIAA/2022-23/2573/2022/278, dated 27.10.2022 with regard to correction in boundary Coordinates and lease address, the revised details is being given below:

SI	Parameter	Details	
1	Project Name	: Rajhara North (Central & Eastern) Coal Block Opencast Project	
2	Lessee:	: M/s Fairmine Carbons Pvt. Ltd.	
3	Lease Address	: Mouza- Pandwa & Rajhara Block- Pandwa & Nawabazar, PS- Padwa ,Dist.: Palamau, Jharkhand Zilla Parisad: PO & P.S – Pandwa District: Palamau, Jharkhand	
4	Lease Area	: 116.80 Ha	Acres: 288.62
5	Type of Land	: GM & Raiyati	
6	Project Cost	: 126 crores	
7	New or Expansion	: Amendment	
8	Mineable Reserves	: 15.609 MT	
9	Mine Life	: 22 years	
10	Man power	: 208	
11	Water Requirement	: Total 234 KLD for various purposes. Water required for - <ul style="list-style-type: none"> • • Manpower 10 KLD • • Plantation 80 KLD • • Dust suppression in Mines and for approach road 120 KLD • • Other Uses 4 KLD • • Quarters for staff 10 KLD • • Misc. 10 KLD 	
12	Water Source	: Dug wells / Bore wells	
13	DG Set / power	: DG sets (2 x 500KW)	
14	Crusher	: 300 TPH	
15	Nearest Water Body	: Sadabah River	
16	Nearest Habitation	: Pandwa and Rajhara	

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17	Nearest Rail Station	:	Kajri (4 km)
18	Nearest Air Port	:	Ranchi(175 Km)
19	Nearest Forest	:	None
20	Road & Highways	:	NH-75

CO-ORDINATES

1	Latitude	From N 24°09'42"	To N 24°10'08"
2	Longitude	From E 84°02'48"	To E 84°04'07"

Background of the project:

1. Pursuant to e-auction conducted by Ministry of Coal, M/s Fairmine Carbons Pvt. Ltd. became the successful bidder and subsequently block was vested vide Vesting Order no. NA-104/11/2020-NA dt.03.03.2021.
2. Allottees got Mining Plan approved with capacity of 0.75 MTPA by Ministry of Coal vide- MoC letter no. 13016/52/2008-ca-j (part) dt 16/12/2011.
3. Earlier SEIAA issued a TOR for project this AMP area of 117.80 vide its Letter No. : EC/SEIAA/2021-22/2378/2021/107, dated 14/08/2021.
4. The project area was reduced to 116.80 ha against 117.80 ha in revision of Mine Plan (August 2011) as : -
 - a. 6.95 ha area (on east of the allotted block), which was previously included for infrastructure facilities was excluded during boundary certification from CMPDI.
 - b. Also Ministry of Coal instructed that the area left between Geological Boundary and Proposed Mining Lease Boundary should be the part of proposed Mining Lease and it cannot be left, therefore Project Boundary has been extended upto the Geological Boundary and 5.95 ha area was added to the Project boundary.
5. Revised Mine Plan Approved by the Ministry of Coal in a meeting dated : 13/04/2022.
6. Subsequently SEIAA issued a ToR (Amendment) vide its Letter No. EC/SEIAA/2022-23/2573/2022/148, dated 18/06/2022.
7. A meander of Sadabah River will be diverted before end of 3rd year of mining. PP has approached Water Resource Department, Govt. of Jharkhand & WRD (GOJ) recommended the proposal for preparation of DPR & model testing vide Letter No. : 3/PMC/Work/465/2021-31/Ranchi dated : 19/01/2022. DPR & model testing report has been prepared and vetted by IIT, Roorkee & the same was submitted to WRD vide Letter No. : FCPL/RNC/2021-22/061 dated 18/08/2022.
8. NH-75 will be diverted before end of 17th year of mining. Nominated authority MOC has requested Secretary MoRTH to re-alignment of NH – 75 vide DO Letter : NA-104/11/2020-NA dated : 02/07/2021.

LAND DETAILS

Mauja: Rajhara, Thana & Thana No.: Nawa Bazar(132), Anchal: Nawa Bazar, District: Palamu (Daltonganj) Area 13.43 Ha.

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Khata No.:-

92.136.222.237.320.328

Plot No.:-

1677(P), 1607, 1609, 1610, 1612, 1613, 1611, 1642(P), 1606, 1608, 1600(P), 1678, 1683(P), 1625(P), 1597(P), 1604, 1618(P), 1614(P), 1643, 1603(P), 1605(P), 1679(P)

Mauja: Pandwa, Thana & Thana No.: Pandwa(198), Anchal: Pandwa, District: Palamu (Daltonganj) Area 103.37 Ha.

Khata No. :-

3.4.6.7.10.14.15.17.19.21.25.27.28.29.34.36.44.47.53.54.57.59.60.64.68.74.75.80.81.87.88.92.93
.97.102.107.108.109.110.112.117.123.127.129.130.131.132.136.140.144.146.148.149.151.152.1
56.157.158.161.164.168.172.177.182.184.187.188.192.201.206.211.214.216.219.220.222.224.22
6.227.235.236.240.242.243.244.247.251.253.256.261.263.264.266.267.268.270.272.273.274.275
.277.278.280.281.285.286.288.290.291.293.295.296.297.298.299.300.301.304.305.306.307.308.
309.311.312.313.314.318.319.320.322.323.326

Plot No. :-

48(P). 571(P). 572. 573(P). 578(P). 579(P). 657(P). 658(P). 659. 660. 661. 662. 663.
664(P). 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678.
679. 680(P). 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693.
694. 695. 696. 697(P). 698(P). 700(P). 706(P). 707(P). 742(P). 743(P). 744(P).
745(P). 746(P). 747(P). 751(P). 758(P). 759(P). 760(P). 767(P). 768. 769. 770(P).
778(P). 779. 780(P). 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791(P).
801(P). 802(P). 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814.
815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829.
830. 831. 832. 833. 834. 835. 836. 837(P). 838. 839(P). 842(P). 843(P). 943(P).
944. 945. 946(P). 947(P). 953(P). 954(P). 955(P). 956(P). 957(P). 958. 959(P).
960(P). 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974.
975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989.
990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000. 1001. 1002. 1003.
1004. 1005. 1006. 1007. 1008. 1009. 1010. 1011. 1012. 1013. 1014. 1015.
1016. 1017. 1018. 1019. 1020. 1021. 1022. 1023. 1024. 1025. 1026. 1027.
1028. 1029. 1030. 1031(P). 1032(P). 1033. 1034. 1035. 1036. 1037. 1038. 1039.
1040. 1041. 1042. 1043. 1044. 1045. 1046. 1047. 1048. 1049. 1050. 1051.
1052. 1053. 1054. 1055. 1056. 1057. 1058. 1059. 1060. 1061. 1062. 1063. 1064.
1065. 1066. 1067(P). 1068(P). 1069. 1070. 1071. 1072. 1073. 1074. 1075. 1076.
1077. 1078. 1079(P). 1080. 1081. 1082. 1083. 1084. 1085. 1086. 1087. 1088.
1089. 1090. 1091. 1092. 1093. 1094. 1095. 1096. 1097. 1098. 1099(P). 1100.
1101. 1102. 1103. 1104. 1105. 1106. 1107. 1108. 1109(P). 1110. 1111(P). 1112(P).
1113. 1114. 1115. 1116. 1117. 1118. 1119. 1120. 1121. 1122. 1123. 1124.

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1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157(P), 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172(P), 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180(P), 1181, 1182(P), 1183(P), 1185(P), 1192(P), 1193(P), 1194, 1195(P), 1212(P), 1214(P), 1215, 1216, 1217, 1218(P), 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226(P), 1241(P), 1242(P), 1243, 1244, 1245, 1246, 1247, 1248(P), 1250, 1251, 1252, 1253, 1254, 1255(P), 1256(P), 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279(P), 1280(P), 1283(P), 1284(P), 1285(P), 1368(P), 1470(P), 1471(P), 1472(P), 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487(P), 1488, 1492(P), 1898, 1900(P)

Working Details

1	Mining Method	:	Semi-Mechanized Opencast Mining Method			
2	Quarry Area	:	89.28 ha	Life of Mine – 22 YEARS		
3	Waste Generation	:	34.1 Cu.M	Life of Mine – 22 Years		
4	Stripping Ratio	:	2:1			
5	Working Days	:	300 Days			
6	Benches: size & No	:	Average height of working benches 10m Average width of working benches 10m to 15m			
7	Elevation of Mine	:	192.10 m to 212 m			
8	Ground Level Elevation	:	192.10 m to 212 m			
9	Ultimate Working Depth	:	86 AMSL			
10	Water Table	:	PRE-MONSOON 14.12 M BELOW BGL POST MONSOON 10.07 M BGL.			
11	Topography of Mine	:	Almost flat having a gentle southerly slope.			
12	Explosive Requirement	:	350 ton/year			
13	Diesel/Fuel requirement	:	1252 KL/year (4.17 KL/day)			

Production Details:

Year		Coal Production Schedule			OB MM3	SR
Year of Operation	Calendar Year	UG	OC	Total		
I	2025-26	0	0.3	0.3000	0.62	2.0667

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2	2026-27	0	0.75	0.7500	1.44	1.9200
3	2027-28	0	0.75	0.7500	1.20	1.6000
4	2028-29	0	0.75	0.7500	1.20	1.6000
5	2029-30	0	0.75	0.7500	1.40	1.8667
6	2030-31	0	0.75	0.7500	1.71	2.2800
7	2031-32	0	0.75	0.7500	1.69	2.2533
8	2032-33	0	0.75	0.7500	1.69	2.2533
9	2033-34	0	0.75	0.7500	1.69	2.2533
10	2034-35	0	0.75	0.7500	1.69	2.2533
11	2035-36	0	0.75	0.7500	1.50	2.0000
12	2036-37	0	0.75	0.7500	1.50	2.0000
13	2037-38	0	0.75	0.7500	1.50	2.0000
14	2038-39	0	0.75	0.7500	1.50	2.0000
15	2039-40	0	0.75	0.7500	1.50	2.0000
16	2040-41	0	0.75	0.7500	1.50	2.0000
17	2041-42	0	0.75	0.7500	1.50	2.0000
18	2042-43	0	0.75	0.7500	1.50	2.0000
19	2043-44	0	0.75	0.7500	1.50	2.0000
20	2044-45	0	0.75	0.7500	1.50	2.0000
21	2045-46	0	0.75	0.7500	1.50	2.0000
22	2046-47	0	0.3090	0.3090	0.57	1.8447

Note: Calendar Plan/Production Plan for the entire life of the mine.

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Proposed Land use

Type	Land use (Proposed)	Land Use (End of Life)	Land Use (Post Closure)						
			Agricultural land	Plantation	Water Body	Public / Company Use	Forest Land (Returned)	Undisturbed	Total
Excavation Area	89.28								
Backfilled Area		73.51	73.51						73.5100
Excavated Void		15.77			15.77				15.7700
Without Plantation									
Top Soil Dump									
External Dump									
Safety Zone	5.95	5.95						5.95	5.9500
Haul Road between quarries									
Road diversion	0.92	0.920				0.920			0.9200
Diversion Or Below River Or Nala Or Canal	4.69	4.690			4.690				4.6900
Settling Pond	0.50	0.500	0.500						0.5000
Road And Infrastructure Area	2.71	2.710	2.710						2.7100
Rationalization Area									
Garland Drains									

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Embankment	0.84	0.840				0.840			0.8400
Greenbelt	11.91	11.910		11.910					11.9100
TOTAL	116.80	116.80							116.80

ENVIRONMENT MANAGEMENT

Green Belt Development

Gabion Plantation work in the safety zone (7.5 m width around the proposed lease boundary) and on either side of approach road in two rows with the spacing of 3x3 m with suitable species such as timber & fruit bearing etc. will be done in first year of operation. Maintenance work such as h/w, mortality replacement, protection and watering shall be undertaken for the life of mine as per norms and schedule issued by PCCF, Development, Department of Forest, Environment & Climate Change, Govt. of Jharkhand. Records of same to be maintained and will be submitted with compliance report.

Solid Waste Management

- Waste Generation will be 34.1 Cu.M. during the life of Mine. The Waste generated shall be backfilled.

Water Quality Management

- **Ground Water will be intersected and in this respect we are under process for NOC from CGWA**

Undertaking submitted affirming:

- a. Ground water will be used only for domestic purpose and not be used for any mining activities or any other use.
 - b. The District survey Report has been prepared by a competent authority. Project Authorities will abide by any directives issued by any court of law in future.
 - c. If any changes are noticed in future regarding the contiguous / cluster area report issued by the mines department, then the applicable laws / rules will be binding on the Project Authorities and all necessary steps will be taken in this regard
 - d. The Boundary Pillars of the proposed mine lease area will be maintained properly.
 - e. One day post monsoon baseline data related to environment monitoring will be submitted with the first compliance report.
 - f. The plantation work will be completed within the first year of operation. Thereafter the same will be maintained up to the Conceptual stage of the Mine.
 - g. Sufficient water spray using water tankers will be done for effective dust suppression within the mine lease area and on haul roads.
 - h. All the mining machineries / equipment and transport vehicles should be maintained in good condition and annually tested for fitness and PUC and records to be maintained.
- **For Nawa Bazar** : Deputy Director, Palamu Tiger Project, North Division, Medinagar vide letter no. 339, dated 08.04.2022 certified that the National Park & Sanctuary is not within 10 km from project site and proposed project is not situated in any ESZ.

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- **For Pandwa** : Deputy Director, Palamu Tiger Project, North Division, Medinagar vide letter no. 338, dated 08.04.2022 certified that the National Park & Sanctuary is not within 10 km from project site and proposed project is not situated in any ESZ.
- **For Nawa Bazar**: DFO.Palamu Division vide letter no. 1860, dated 22.06.2021 certified that the distance of reserved / protected forest is 250 m from proposed project site.
- **For Pandwa** : DFO.Palamu Division vide letter no. 1861, dated 22.06.2021 certified that the distance of reserved / protected forest is 250 m from proposed project site.
- The **CO, Pandwa** vide memo no. 242, dated 07.07.2021 &The **CO, Nawa Bazar** vide letter no. 58, dated 02.03.2021 has mentioned all plot &khata no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyar & Register II
- The Member Secretary, JSPCB has forwarded the proceeding of Public Hearing vide Ref. no. PC/PH/RNC/01/2022/B-1933, dated 16.09.2022.

Sadabah River Diversion

A meander of Sadabah River will be diverted before end of 3rd year of mining. PP has approached Water Resource Department, Govt. of Jharkhand & WRD (GOJ) recommended the proposal for preparation of DPR & model testing vide Letter No. : 3 PMC/Work/465 2021-31 Ranchi dated : 19 01 2022. DPR & model testing report has been prepared and vetted by IIT, Roorkee & the same was submitted to WRD vide Letter No. : FCPL/RNC/2021-22/061 dated 18 08 2022. Sadabah River occupies 5.95 Ha. of land within lease area.

Project Proponent will ensure that a safety barrier of 15 m on both side of the river will be maintained and no mining activity will be carried out in the safety barrier. After getting the permission for diversion of said river from the competent authority, the copy of the permission for diversion shall be submitted to SEIAA/SEAC, Jharkhand alongwith the 06 monthly compliance report.

NH-75 Diversion

NH-75 will be diverted before end of 17th year of mining. Nominated authority MOC has requested Secretary MoRTH to re-alignment of NH-75 vide DO Letter : NA-104/11 2020-NA dated : 02 07/2021. 0.92 Ha. + 5.85 Ha. (Safety Barrier) i.e. 6.77 Ha. Area involved in this diversion of NH-75.

Project Proponent will ensure that a safety barrier of 45 m on both side of NH 75 will be maintained and no mining activity will be carried out in the safety barrier. After getting the permission for diversion of NH 75 from the competent authority, the copy of the permission for diversion shall be submitted to SEIAA/SEAC, Jharkhand alongwith the 06 monthly compliance report.

Land

Private Land- Private Land will be acquired after obtaining prior permission under CNT 1908 and will be registered.

Government Land (GM)- Application for transfer of GM land is applied vide FCPL/DTO/20-21/011 (GM AAM), FCPL/DTO/20-21/012 (GM KHAS) for Nawa Bazar Block & FCPL/DTO/20-21/022 (GM AAM), FCPL/DTO/20-21/023 (GM KHAS) for Pandwa Block. process of transfer of land is initiated by GOJ.”

4. The recommendation of SEAC, Jharkhand in this regard has been examined by the State Level Environment Impact Assessment Authority, Jharkhand in its 100th meeting held on 21st and 22nd December, 2022 and decided **corrigendum of Environmental Clearance** to the said project proposal as recommended by SEAC alongwith all other terms and conditions of earlier EC letter no. **EC/SEIAA/2022-23/2573/2022/278**, Ranchi, Date : **27.10.2022** shall remain the same.

5. This issues with the approval of competent Authority.

Yours Sincerely,

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand

Ranchi, Date: *29/12/2022*

Memo No: **EC/SEIAA/2022-23/2573/2022/3119**

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District- Palamu, Medininagar, Jharkhand.
3. Divisional Forest Officer, Medininagar Forest Division, Medininagar, Jharkhand.
4. Deputy Director, Palamu Tiger Project, North Division, Medininagar, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Integrated Regional Office, Ranchi, Ministry of Environment, Forest and Climate Change, 2nd Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. District Mining Officer, Palamu, Medininagar, Jharkhand.
8. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
9. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
10. Website.
11. Guard file.

Member Secretary

State Level Environment Impact
Assessment Authority, Jharkhand

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