



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834004

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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, Ranchi,
Jharkhand – 834001.

Amendment

Sub: Amendment of ToR for the project “Rajhara North (Central & Eastern) Coal Mine Opencast Project of M/s Fairmine Carbons Pvt. Ltd., Mouza : Rajhara & Pandwa, Thana : Nawa Bazar & Pandwa, Thana no. : 132 & 198, Dist. : Palamu, Jharkhand (116.80 Ha)”, (Proposal No. SIA/JH/MIN/269430/2022) - regarding.

Ref: Your online application dated : 25.04.2022.

Sir,

1. This is in continuation of ToR issued by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand vide letter no.- EC/SEIAA/2021-22/2378/2021/107, Ranchi, Date : 14.08.2021 and further reference to your online application dated – 25.04.2022 and online application no. : SIA/JH/MIN/269430/2022 requesting for amendment of ToR with regard to change of project area.

2. The State Level Environment Impact Assessment Authority (SEIAA), Jharkhand has accorded the ToR vide office letter no. : EC/SEIAA/2021-22/2378/2021/107, Ranchi, Date : 14.08.2021 for “Rajhara North (Central & Eastern) Coal Mine Opencast Project of M/s Fairmine Carbons Pvt. Ltd., Mouza : Rajhara & Pandwa, Thana : Nawa Bazar & Pandwa, Thana no. : 132 & 198, Dist. : Palamu, Jharkhand (117.80 Ha)”. The project proponent has requested to issue the amendment of ToR w.r.t. change of project area : 117.80 Ha to 116.80 Ha.

3. Your request has been examined by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its 95th meeting held on 14th, 15th & 16th June, 2022, based on the information furnished/provided and discussion held, the State Level Expert Appraisal Committee. (SEAC) recommended to issue Amendment of earlier ToR vide its 94th meeting held on 10th, 11th, 12th, 13th and 14th May, 2022 which is approved by SEIAA are as follows:

“Project Category : B1 – Amendment in TOR from project area 117.80 Ha to 116.80 Ha.

EC Application for: Coal : 0.75 MTPA

This is a project which has been taken for appraisal on 11.05.2022.

PROJECT and LOCATION Details:

Sl	Parameter	Details
1	Project Name	: Rajhara North (Central & Eastern) Coal Block Opencast Project

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2	Lessee:	:	M/s Fairmine Carbons Pvt. Ltd.
3	Lease Address	:	Mouza- Pandwa & Rajhara Block- Pandwa & Kawabata 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 - • 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
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 N24°09'41"	To N24°10'04"
2	Longitude	From E84°02'59"	To E84°04'13"

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LAND DETAILS

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

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,

102,107,108,109,110,112,117,123,127,129,130,131,132,136,140,144,146,148,149,151,152,156,157

158,161,164,168,172,177,182,184,187,188,192,201,206,211,214,216,219,220,222,224,226,227,235,236,240,242,243,244,247,251,253,256,261,263,264,266,267,268,270,272,273,274,275,277,278,280,281,285,286,288,290,291,293,295,296,297,298,299,300,301,304,305,306,307,308,309,311,312,313,314,318,319,320,322,323,326

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, 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 to15m	
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		
1	2025-26	0	0.3	0.3000	0.62	2.0667
2	2026-27	0	0.75	0.7500	1.44	1.9200
3	2027-28	0	0.75	0.7500	1.20	1.6000

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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.						

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

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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									
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

SL	LOCATION		Area/Length	No of Trees
1	Safety Zone	:	5.95	
2	Other Reclaimed Area	:	11.91	

Solid Waste Management

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

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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.

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 Khatyan & Register II".

4. All other terms & conditions mentioned in the ToR letter no : EC/SEIAA/2021-22/2378/2021/107, Ranchi, Date : 14.08.2021 shall remain the same.

5. This issues with the approval of competent Authority.

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.



Memo No : EC/SEIAA/2022-23/2573/2022/ 148

Ranchi, Date : 18/6/2022

Copy to:

1. Member Secretary, Jharkhand State Pollution Control Board, Ranchi for information and necessary action.
2. Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

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