



सत्यमेव जयते

File No: 454036/03-MIN/12-2023

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment
Authority(SEIAA), ODISHA)



Dated 19/04/2025



To,

Sri. Siddharth Sarma, Managing Partner
M/s Flux Minerals
513-5th Floor, Forum Gallaria Mall , Civil Township, Rourkela,Sundargarh, Pin- 769004
fluxminerals@gmail.com

Subject: Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding in respect of project Raruanguda Quartzite Block over a ML area of 25.406 Ha for production of 0.551 MTPA quartzite along with 50 TPH processing unit at village: Raruanguda, Tehsil-Champua, Dist- Keonjhar of M/s. Flux Minerals submitted to SEIAA,Odisha vide proposal number SIA/OR/MIN/454036/2023 dated 02/12/2023.

2. The particulars of the proposal are as below :

(i) TOR Identification No.	TO23B0108OR5719852N
(ii) File No.	454036/03-MIN/12-2023
(iii) Clearance Type	TOR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals proposed mining of Quartzite from Raruanguda Quartzite Block Over a ML Area of 25.406 Ha. for production of 0.551 MTPA along with 50 TPH Processing Unit located in Village- Raruanguda, Tahasil-Champua, District- Keonjhar
(vii) Name of Project	
(viii) Name of Company/Organization	M/s Flux Minerals
(ix) Location of Project (District, State)	Village- Raruanguda, Tahasil-Champua, District- Keonjhar
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were submitted to the SEIAA, Odisha for an appraisal by the State Level Expert Appraisal Committee(SEAC) under the provision of EIA notification 2006 and its subsequent amendments thereto.
4. The above-mentioned proposal has been considered for ToR by SEAC in its meeting held on 01.02.2025. The minutes of the meeting and all the project documents as submitted by project proponent are available on Parivesh portal which can be accessed from the Parivesh portal by scanning the QR Code above.
5. The details of the project along with the salient features of the project as submitted by the project proponent in Form-1(Part A and B) and as presented before SEAC are annexed to this ToR as Annexure- 2.
6. The SEAC, after detailed deliberations made by the Project Proponent and the EIA Consultant, in its meeting held on 01.02.2025 under the provisions of EIA Notification 2006 and its subsequent amendments, prescribed the specific ToRs in addition to standard ToRs for conducting detailed EIA study.
7. The matter was again examined in the State Environment Impact Assessment Authority (SEIAA), Odisha in its 193rd meeting held on 07.04.2025, recommendation of SEAC and in accordance with the EIA Notification, 2006 and further amendments thereto. After detailed deliberation, the authority approved the ToR as recommended by SEAC with standard and specific TORs for undertaking detailed EIA study for the project.
8. Term of Reference (ToR) is granted to the project with public hearing under the provisions of EIA Notification No. S.O. 1533 (E) dated the 14th September, 2006 of the Government of India in the erstwhile Ministry of Environment and Forests, as amended from time to time for proposed mining of Quartzite from Raruanguda Quartzite Block Over a ML Area of 25.406 Ha. for production of 0.551 MTPA along with 50 TPH Processing Unit located in Village-Raruanguda, Tahasil-Champua, District- Keonjhar by M/s Flux Minerals'' for undertaking detailed EIA studies with the specific ToRs as mentioned below along with standard ToR for preparation of EIA/EMP report for the project as given in Annexure- 1.
9. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.
10. This issues with the approval of the Competent Authority.

Copy To

1. Additional Chief Secretary, Forest, Environment & Climate Change Dept., Government of Odisha for information.
2. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
3. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
4. Deputy D.G.Forest., Regional Office (RO), Ministry of Environment & Forests, A-3/1, Chandrasekharpur, Bhubaneswar for information.
5. Director of Mines, Steel and Mines Dept., Govt. of Odisha for Information and necessary action.
6. Director of Mines and Geology, Odisha, Bhubaneswar for information and necessary action.
7. Regional Director, CGWA, South Eastern Region, Bhujal Bhawan, Khandagiri, Bhubaneswar, Pin-751030.
8. Collector & DM, Keonjhar/ DFO, Joda for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal.

Annexure 1

Specific Terms of Reference for (Mining Of Minerals)

1. Specific Conditions

S. No	Terms of Reference
1.1	<p>i) The project proponent shall strictly carry out non-explosive mining as sensitive areas like School is located at distance of 300m, Baitarani bank is at 137m, Mermenda River is at 0.04km, and Dam is within 500m away from the mining area.</p> <p>ii) Standard operating procedures (SOP) to be followed for rock excavation/mining.</p> <p>iii) The project proponent shall complete the total plantation within first two years and maintain it in the remaining years. Green cover within the safety zone shall be strictly maintained to protect the nearest human sensitive places.</p> <p>iv) The PP shall give details of post mining R.L and Surface R.L. If post mining R.L is below the surface level then the area to be fenced after post mining to avoid accidents and surface run off from mining site to nearby agricultural fields.</p> <p>v) The project proponent shall specify the air pollution control measures undertaken at crusher plant and during mining activities to protect school children from dust emission.</p> <p>vi) Note on free silica generation during mining and measures for its control.</p> <p>vii) Measures for restricting the silt load with storm water making way to nearest Karo river.</p> <p>viii) suggested measures for existing ITI inside the lease area.</p> <p>ix) Precautionary measures to ensure damage to Baitarani River bank protection. Protective measures as there are a Raniguda school at about a distance of 200 Mt.</p>

Standard Terms of Reference for (Mining of minerals)

1.

S. No	Terms of Reference
1.1	Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994
1.2	A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given
1.3	All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee
1.4	All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the areashould be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone)
1.5	Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics
1.6	Details about the land proposed for mining activities should be givenwith information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority
1.7	It should be clearly stated whether the proponent Company has a well laid down Environment

S. No	Terms of Reference
	Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report
1.8	Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided
1.9	The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period
1.10	Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given
1.11	Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given
1.12	A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees
1.13	The vegetation in the RF / PF areas in the study area, with necessary details, should be given
1.14	A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted
1.15	Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished
1.16	A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any

S. No	Terms of Reference
	scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost
1.17	One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given
1.18	Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map
1.19	The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated
1.20	Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided
1.21	Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided
1.22	Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided
1.23	Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished
1.24	Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out
1.25	Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same
1.26	A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted,

S. No	Terms of Reference
	keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution
1.27	Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines
1.28	Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report
1.29	Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report
1.30	Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed
1.31	Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations
1.32	Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation
1.33	Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project
1.34	Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project
1.35	Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given
1.36	The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out
1.37	A Disaster management Plan shall be prepared and included in the EIA/EMP Report
1.38	Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project

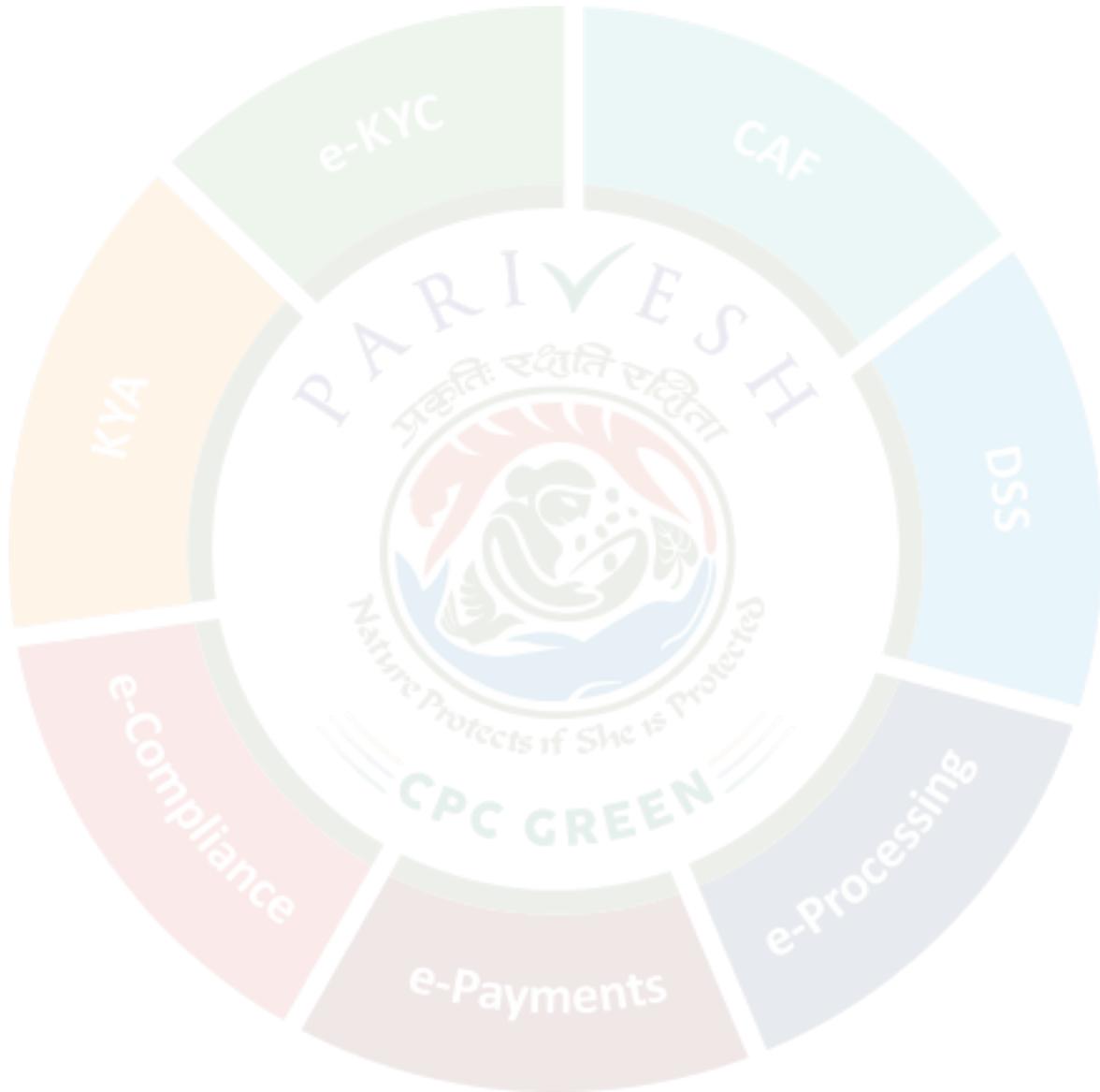
S. No	Terms of Reference
	shall clearly indicate environmental, social, economic, employment potential, etc
1.39	<p>Besides the above, the below mentioned general points are also to be followed:- a) All documents to be properly referenced with index and continuous page numbering. b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated. c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project. d) Where the documents provided are in a language other than English, an English translation should be provided. e) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed. f) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of SEIAA with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation. g) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable. h) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area</p>
1.40	<p>NABET accredited consultant certificate along with consent letter that he has prepared the EIA & EMP report of the proposed project. The Project Proponent should submit the EIA/EMP report as per the generic structure prescribed in Appendix-III of the EIA Notification,2006 after incorporating the details of public hearing conducted and covering the above-mentioned issues, to take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification,2006.</p>
1.41	<p>Baseline data and public consultation shall not be older than 3 years, at the time of submission of the proposal, for grant of Environmental Clearance.</p>
1.42	<p>The prescribed TOR would be valid for a period of four years for submission of the EIA/EMP report, as per the Notification S.O.751(E) dated 17.02.2020. The instant TOR is valid up to four years from the date of issuance of TOR.</p>

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Quartzite	Quartzite	55123	Tons per Annum	Road	

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
			(TPA)		



1. Proposal in Brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under:-

- (i) The proposal was considered by the committee to determine the “Terms of Reference (ToR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
- (ii) This is a proposal of M/s Flux Minerals for Terms of Reference (ToR) for obtaining Environmental Clearance for proposed mining of Quartzite from Raruanguda Quartzite Block Over a ML Area of 25.406 Ha. for production of 0.551 MTPA along with 50 TPH Processing Unit located in village- Raruanguda, Tahasil-Champua, District- Keonjhar filed by Sri. Siddharth Sarada, Managing Partner.
- (iii) Category: As per the EIA notification 2006 and its subsequent amendments, proposed project falls in category B under schedule of Item 1(a)-Mining of minerals.
- (iv) Raruanguda Quartzite Block is a virgin mine over 25.406 Ha. / 62.780 Ac. for the production of 55123.00 Tons of Quartz per year at Village - Raruanguda, Tahasil - Champua, Dist. Keonjhar
- (v) Mining Lease is granted vide letter no 11850 (LOI) dated 19.12.2022 to the Successful Bidder M/s Flux Minerals, At/PO - 513 - 5th Floor, Forum Galleria Mall, Civil Town Ship, Rourkela, Odisha -76900.
- (vi) The mining plan was approved by Joint Director, Directorate Geology & Steel & Mines Department, Govt. of Odisha with letter no. MGXXIV(b)-08/2023/12306/DoMG and date. 06.10.2023.
- (vii) The lease area is 25.406 Ha consisting of 1.682 Ha. - Forest Land and 23.724 Ha. - Non-forest Land.
- (viii) Location and connectivity: The project is located at Village Raruanguda under Champua Tehsil of Keonjhar District bearing Plot no: 1273/P, 1284/P, 1285, 1286, 1287/P, 1288/P, 1293/P, 1294/P, 1295, 1296/P, 1297/P, 1298/P, 1299/P, 1304/P, 1305/P, 1306, 1307, 1308, 1310/P, 1311, 1312, 1313, 1314, 1325/P, 1326, 1327/P, 1143/P, 1145/P, 1146/P, 1148/P, 1149/P, 1160/P, 1161, 1162, 1163, 1164, 1165/P, 1166, 1167/P, 1169/P, 1170, 1171, 1172, 1173, 1174, 1175, 1177/P, 1181/P, 1182/P, 1184, 1185, 1186, 1187, 1188, 1189, 1190/P, 1197, 1198, 1199/P, 1226/P, 1227/P, 1228/P, 1199/1758, 1199/1759, 1199/1670, 1187/1756, 187/1757, 1286/1785, 1294/1761, 1294/1548, 1166/1533, 1309/1581, 1307/1763, 546/P, 547/P, 549/P, 551/P, 552/P, 553, 554, 555/P, 556/P, 557/P, 558/P, 559/P, 561, 582/P, 583/P, 587/P, 588, 589, 590, 591, 592, 593, 594, 595/P, 596/P, 597/P, 598/P, 599/P, 600/P, 601/P, 602/P, 603/P, 607/P, 609/P, 611/P, 1637/P, 1551/P, 1741, 1638, 1742, 1183/P, 1315, 1310, 1641, 43, 29, 75, 96, 20, 144, 147, 27, 128, 99, 78, 35, 37, 49, 8, 50, 111, 97, 54, 38, 60, 145, 48, 5, 47, 146 bounded by Lat. 21 57 27.34385 N to 21 57 59.58316 N & Long. 85 45 49.11958 E to 85 46 16.62327 E with Toposheet no F45N13 (73 G/13) with Kisam of land -Sarada – II, Biali, Gramya Jungle, Patharabani, Ghodanda, Sarada – III, BastiJogya, Gochara, Sarada – I, Godandi, Danda, Patharabani, Patita, Jalasaya – II, Hudi, Balichara. Nearest SH is SH 108 at 40km West, Nearest NH is NH 20, 15 km NW. Nearest airport is Jharsuguda – 223km and nearest water

bodies are Mermenda River located at a distance of 0.04km and Baitarani River located at a distance of 0.37km from the site.

- (ix) Reserves and production: The total Mineable Reserves is 2040996.4 Tons and geological reserve is 2722530.1 Tons and the Proposed Production for the Proposed Project is 55123 Tons/ annum.
- (x) Mining method: Mining will be done by Semi Mechanized method with a total production of 220551.2 Tons. Machineries to be used are Hydraulic Excavator -Poclain (CK90) 0.9m³ capacity-1 nos, Backhoe loader—1, Jack hammer drill-32 mm drill bit-3no, Tippers-(10T)/20T-2/1 nos, Compressor-Holman TA 13T-2 and Water Tanker- 5KL capacity-1.
- (xi) Waste generation: During the plan period, the volume of waste generated is 28006.5 m³ i.e., 25% of total excavation and its swell volume will be 44810.56 m³, a temporary dump has been proposed of 0.663 hectare at the north western side. The dump height shall not exceed 6m in height.
- (xii) Greenbelt:

YEAR	AREA in m ²	TYPE OF SAPLINGS	NO. OF SAPLING
First Year	658	Neem, Tamarind, Karanja, Subabul, Badam, Ficus, Raintree	40
Second Year	658		40
Third Year	658		40
Fourth Year	658		40
Fifth Year	658		40
TOTAL	3290		200

- (xiii) Water requirement: Total Water Requirement is 10 KLD for proposed project.

ACTIVITY AREAS	WATER REQUIREMENT PER DAY (KLD)
Drinking & Other purpose	1
Crushing & Screening units	3
Dust Suppression in dust generating locations	3
Plantation	3
Total	10

- (xiv) Power requirement: Power required for the proposed project is 10 KVA Power from diesel generators.
- (xv) Baseline study details: Baseline Study is being conducted from Dec 2023, Jan 2024 & Feb 2024.
- (xvi) Manpower: The total number of persons required for the project is 42 persons.
- (xvii) Project cost: Estimated project cost is 480.00 Lakhs and EMP Cost is 72 Lakhs.

SL. NO.	PARTICULARS	CAPITAL COST IN LAKHS	RECURRING COST IN LAKHS
1	AIR POLLUTION CONTROL	7	4
a)	Truck mounted water tankers -1 nos.		

b)	Maintenance of equipment		
c)	Water Sprinkling		
2	WATER POLLUTION CONTROL		
a)	Construction of garland drains with settling pits	10	2
b)	Rainwater harvesting pits		
3	NOISE POLLUTION CONTROL		
a)	PPE	24	4
b)	Stack for DG set		
4	ENVIRONMENT MONITORING	-	3
5	GREEN BELT DEVELOPMENT	12	2
6	OCCUPATIONAL HEALTH MANAGEMENT	-	4
TOTAL		53	19

(xviii) Environment Consultant: The Environment consultant M/s Global Tech Enviro Experts Pvt Ltd. Bhubaneswar along with the proponent made a presentation on the proposal before the Committee.

(xix) The SEAC in its meeting held on dated 09-02-2024 recommended the following:

- (i) The proponent may be asked to submit the following for further processing of TOR application:
- i) The project proponent has not applied for Forest Clearance. Hence the TOR may be processed subjected to submission of copy of forest clearance application.
 - (ii) Following specific ToRs may be prescribed while issue of Terms of References.
 - i) The project proponent shall strictly carry out non-explosive mining as sensitive areas like School is located at distance of 300m, Baitarani bank is at 137m, Mermenda River is at 0.04km, and Dam is within 500m away from the mining area.
 - ii) Standard operating procedures (SOP) to be followed for rock excavation/mining.
 - iii) The project proponent shall complete the total plantation within first two years and maintain it in the remaining years. Green cover within the safety zone shall be strictly maintained to protect the nearest human sensitive places.
 - iv) The PP shall give details of post mining R.L and Surface R.L. If post mining R.L is below the surface level then the area to be fenced after post mining to avoid accidents and surface run off from mining site to nearby agricultural fields.
 - v) The project proponent shall specify the air pollution control measures undertaken at crusher plant and during mining activities to protect school children from dust emission.
 - vi) Note on free silica generation during mining and measures for its control.
 - vii) Measures for restricting the silt load with storm water making way to nearest Karo river.

- viii) suggested measures for existing ITI inside the lease area.
- ix) Precautionary measures to ensure damage to Baitarani River bank protection.
- x) Protective measures as there are a Raniguda school at about a distance of 200 Mt.

1. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	The project proponent has not applied for Forest Clearance. Hence the ToR may be processed subjected to submission of copy of forest clearance application.	Complying to the ADS raised, we have applied for Forest Clearance for the said project and having proposal number FP/OR/MIN/ORY/516990/2025 Date. 20.01.2025.	The project proponent has submitted acknowledgement for forest clearance application in the name of M/s. Flux Minerals for Raruanguda Quartzite Block over an area of 25.406 ha. for the production of 0.551 MTPA quartzite along with 50 TPH processing unit at village - Raruanguda, Tahasil-Champua, Dist- Keonjhar of Sri Siddharth Sarda.

2. Whether SEAC recommended the proposal – Yes. The proposal was placed in the SEAC meeting held on 01.02.2025 and after detailed discussion, considering the information furnished and the presentation made by the consultant M/s Global Tech Enviro Experts Pvt Ltd. Bhubaneswar, the SEAC prescribed the standard ToRs for conducting detailed EIA study with the following specific ToRs:

- i) The project proponent shall strictly carry out non-explosive mining as sensitive areas like School is located at distance of 300m, Baitarani bank is at 137m, Mermenda River is at 0.04km, and Dam is within 500m away from the mining area.
- ii) Standard operating procedures (SOP) to be followed for rock excavation/mining.
- iii) The project proponent shall complete the total plantation within first two years and maintain it in the remaining years. Green cover within the safety zone shall be strictly maintained to protect the nearest human sensitive places.
- iv) The PP shall give details of post mining R.L and Surface R.L. If post mining R.L is below the surface level then the area to be fenced after post mining to avoid accidents and surface run off from mining site to nearby agricultural fields.
- v) The project proponent shall specify the air pollution control measures undertaken at crusher plant and during mining activities to protect school children from dust emission.
- vi) Note on free silica generation during mining and measures for its control.
- vii) Measures for restricting the silt load with storm water making way to nearest Karo river.

- viii) Suggested measures for existing ITI inside the lease area.
 - ix) Precautionary measures to ensure damage to Baitarani River bank protection.
 - x) Protective measures as there are a Raniguda school at about a distance of 200 Mt.
3. Decision of Authority- Approved:-The proposal was placed in the 193nd meeting of SEIAA held on 07.04.2025 for consideration of ToR. After detailed deliberation, the authority approved the ToR with public hearing along with standard and specific ToRs as recommended by SEAC for undertaking detailed EIA study of the project.

