



Agenda of 149th Meeting of SEIAA, Odisha held on 28.12.2023 & 29.12.2023

AGENDA NO.149.01

Proposal No.	SIA/OR/MIN/ 300740 /2023
Date of application	30.05.2023
File no.	SEIAA-1404/02-2021
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Bhatimunda River Sand Quarry (River-Birupa) over an area of 12.34 Acres or 4.993 Ha. at Village Bhatimunda, under Tangi-Choudwar Tahasil, District Cuttack, Odisha
Name of the company/Organization	Sri Sachin Sahoo
Location of Project	At Village Bhatimunda, under Tangi-Choudwar Tahasil, District Cuttack, Odisha
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Bhatimunda River Sand Quarry over an area of 12.34 Acres or 4.993 Ha. at Village Bhatimunda, under Tangi-Choudwar Tahasil, District Cuttack, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 2409/SEIAA dated 31.08.2021 and EC transfer vide letter no. 4038/SEIAA dt. 22.02.2022 for Bhatimunda River Sand Quarry over an area of 12.34 Acres or 4.993 Ha. at Village Bhatimunda, under Tangi-Choudwar Tahasil, District Cuttack, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 39780 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-5400 cum.
- (iv) The SEIAA also granted EC for 1st year production 2000 cum with depth of mining 2.0 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 31st December 2022 if satisfactory replenishment study report is not submitted."
- (vi) The PP has submitted EC compliance report and mentioned that 1500 cum sand already extracted from the source in 1st year.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Pradeept Mohapatra along with World Consultancy Services Pvt. Ltd. with mentioned that pre-monsoon RL 38.9219m and post-monsoon 39.3123m and 2057.4 cum of sand replenished in the said sand bed and proposed production for next year is 2057.4 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and after detailed discussion, the SEAC recommended that mineable quantity may be recommended as per Replenishment quantity.

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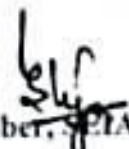
Decision of Authority: Approved

After detailed deliberation in the matter, the Authority decided to allow amendment of EC as per the SEAC recommendation with the following specific condition:

Maximum quantity of extraction of sand shall be allowed to **2050 cum per year** for the rest of the lease period i.e. for the 2nd year, 3rd year, 4th year and 5th year. The validity of EC is coterminous with the validity of DSR or validity of lease period, whichever is earlier. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency in subsequent year and submit the report to SEIAA, Odisha.

APPROVED BY


Member-Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.149.02

Proposal No.	SIA/OR/MIN/ 300685/2023
Date of application	08.11.2023
File no.	OR/SIA/MIN/54693/2022
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Kathajodi River Sand Quarry Unit-37 Badambadi over an Area 5.06 or 12.50 Acres In Village Unit 37 Badambadi under Cuttack Sadar Tahasil Cuttack District Odisha
Name of the company/Organization	Sri Prafulla Sahoo
Location of Project	Village Unit 37 Badambadi under Cuttack Sadar Tahasil Cuttack District Odisha
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Kathajodi River Sand Quarry Unit-37 Badambadi over an Area 5.06 or 12.50 Acres In Village Unit 37 Badambadi under Cuttack Sadar Tahasil Cuttack District Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR137696 dated 07.06.2022 for Kathajodi River Sand Quarry Unit-37 Badambadi over an Area 5.06 or 12.50 Acres In Village Unit 37 Badambadi under Cuttack Sadar Tahasil Cuttack District Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 375003 cum with depth of sand deposition was 3.0 meter and proposed for annual extraction-45000 cum.
- (iv) The SEIAA also granted EC for 1st year production 15000 cum with depth of mining 1.5 meter.
- (v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 30th November 2022 if satisfactory replenishment study report is not submitted."
- (vi) The Tahasildar Cuttack Sadar has mentioned that the PP has extracted 13220 cum of sand from the source for the period 2022-23 as per the Y-form record.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Bipin Behari Khandual with mentioned that pre-monsoon RL 22.70 m and post-monsoon 23.65 m and 40860 cum of sand replenished in the said sand bed and proposed production for next year is 24000 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and the SEAC observed that the total replenished estimated volume of sand deposited in the riverbed of the ML area to be 40860 Cum. (Average of 0.9 meter of sand deposit) The estimated extractable volume of sand using cross sectional method is reported to be 26500 Cum that is 60% of the total estimated replenished volume of 40860 Cum. Accordingly the report has recommended an annual production of **24000 Cum** sand by mining the river bed.

Hence, SEAC recommended the mineable quantity as per the replenishment study report.

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Decision of Authority: Approved

After detailed deliberation in the matter, the Authority decided to allow amendment of EC as per the SEAC recommendation with the following specific condition:

Maximum quantity of extraction of sand allowed shall be **24,000 cum per year** for the rest of the lease period i.e. for the 2nd year, 3rd year, 4th year and 5th year. The validity of EC is coterminous with the validity of DSR or validity of lease period, whichever is earlier. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency in subsequent year and submit the report to SEIAA, Odisha.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.149.03

Proposal No.	SIA/OR/MIN/301169/2023
Date of application	09.11.2023
File no.	SIA/OR/MIN/71718/2020
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Brahmapur River Sand Bed Mines(River-Kathajodi) On River Kathajodi Over An Area 5.26 Or 13.00 Acres In Village Brahmapur Under Cuttack Sadar Tahasil Cuttack District Odisha
Name of the company/Organization	Sri Rabi Saran Singh
Location of Project	Village Brahmapur Under Cuttack Sadar Tahasil Cuttack District Odisha
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Brahmapur River Sand Bed Mines On River Kathajodi Over An Area 5.26 Or 13.00 Acres In Village Brahmapur Under Cuttack Sadar Tahasil Cuttack District Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR173835 dated 03.06.2022 for Brahmapur River Sand Bed Mines On River Kathajodi Over An Area 5.26 Or 13.00 Acres In Village Brahmapur Under Cuttack Sadar Tahasil Cuttack District Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 58329 cum with depth of sand deposition was 0.6 meter and proposed for annual extraction-7000 cum.
- (iv) The SEIAA also granted EC for 1st year production 3200 cum with depth of mining 1.5 meter.
- (v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 30th November 2022 if satisfactory replenishment study report is not submitted."
- (vi) The Tahasildar Cuttack Sadar has mentioned that the PP has extracted 3130 cum of sand from the source for the period 2022-23 as per the Y-form record.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Bipin Behari Khandual with mentioned that pre-monsoon RL 21.40 m and post-monsoon 21.53 m and 3640 cum of sand replenished in the said sand bed and proposed production for next year is 2200 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and after detailed discussion, the SEAC recommended that mineable quantity may be allowed based on replenishment study report as there is sufficient amount of replenishment sand.

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Decision of Authority: Approved

After detailed deliberation in the matter, the Authority decided to allow amendment of EC as per the SEAC recommendation with the following specific condition:

Maximum quantity of extraction of sand shall be allowed to **2200 cum per year** for the rest of the lease period i.e. for the 2nd year, 3rd year, 4th year and 5th year. The validity of EC is coterminous with the validity of DSR or validity of lease period, whichever is earlier. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency in subsequent year and submit the report to SEIAA, Odisha.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.149.04

Proposal No.	SIA/OR/MIN/302440/2023
Date of application	29.08.2023
File no.	243916/176-MINB1/12-2021
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Ramial River Sand Quarry over an area of 14.19 acres or 5.742 ha in village-Lokanathpur, Thasil-Kamakhyanagar, Dist-Dhenkanal
Name of the company/Organization	Smt. Ranjita Nanda
Location of Project	village-Lokanathpur, Thasil-Kamakhyanagar, Dist-Dhenkanal
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Ramial River Sand Quarry over an area of 14.19 acres or 5.742 ha in village-Lokanathpur, Thasil-Kamakhyanagar, Dist-Dhenkanal.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR130675 dated 08.02.2022 and EC transfer on 11.05.2023 for Ramial River Sand Quarry over an area of 14.19 acres or 5.742 ha in village-Lokanathpur, Thasil-Kamakhyanagar, Dist-Dhenkanal.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 34239 cum with depth of sand deposition was 0.8 meter and proposed for annual extraction-6847 cum.
- (iv) The SEIAA also granted EC for 1st year production 4000 cum with depth of mining 0.3meter.
- (v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 30th November 2022 if satisfactory replenishment study report is not submitted."
- (vi) The PP has submitted compliance of EC conditions with mentioned that 2550 cum of sand has been extracted from the source in 1st year.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Sanjib Kumar Swain along with World Consultancy Services Pvt. Ltd. with mentioned that pre-monsoon RL 57.62 m and post-monsoon 57.26 m and 5936 cum of sand replenished in the said sand bed and proposed production for next year is 5936 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and after detailed discussion, the SEAC recommended that mineable quantity may be recommended as per Replenishment quantity.

Decision of Authority: Approved


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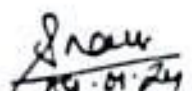
After detailed deliberation in the matter, the Authority decided to allow amendment of EC as per the SEAC recommendation with the following specific condition:

Maximum quantity of extraction of sand shall be allowed to **5900 cum per year with depth of mining 0.5 meter** for the rest of the lease period i.e. for the 2nd year, 3rd year, 4th year and 5th year. The validity of EC is coterminous with the validity of DSR or validity of lease period, whichever is earlier. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency in subsequent year and submit the report to SEIAA, Odisha.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.149.05

Proposal No.	SIA/OR/MIN/302978/2023
Date of application	04.09.2023
File no.	SEIAA-1418/02-2021
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Jayapur River Sand Quarry (River-Brahamani) over an area of 6.00Acre or 2.4281 Ha under Bhuban Tahasil of Dhenkanal District Odisha
Name of the company/Organization	Sri Manoj Pothal
Location of Project	At-Jayapur, Bhuban Tahasil of Dhenkanal District Odisha
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Jayapur River Sand Quarry over an area of 6.00Acre or 2.4281 Ha under Bhuban Tahasil of Dhenkanal District Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 1987/SEIAA dated 05.08.2021 for Jayapur River Sand Quarry over an area of 6.00Acre or 2.4281 Ha under Bhuban Tahasil of Dhenkanal District Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 50000 cum with depth of sand deposition was 2.0 meter and proposed for annual extraction-10000 cum.
- (iv) The SEIAA also granted EC for 1st year production 5000 cum with depth of mining 1.0meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th October 2022 if satisfactory replenishment study report is not submitted."
- (vi) The PP has submitted compliance of EC conditions with mentioned that the quarry has been operated for the period 2021-22, 2022-23 & 2023-24 and extracted 4986 cum, 9663 cum & 4924 cum of sand from the source respectively.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri santosh Kumar Panda with mentioned that the Post-monsoon reserve + Reserve as per approved mining plan = $108\% \ 47440 + 43960 = 1.079$ or say 108%. The proposed production for next year is 24552 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and the SEAC observed that Replenishment Study Report is not as per guidelines. Inter-alia it does not provide -

- a) Benchmarks and GCP details
- b) Details of grids.
- c) Areas of deposition and erosion for working out net area.

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After detailed discussion, the SEAC opined that Replenishment study report submitted is not as per Sustainable Sand Mining Guidelines and lacks details. Hence, this proposal is **not recommended for sand mining subject to outcome of further replenishment studies.**

Decision of Authority: ADS

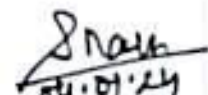
The authority observed that SEIAA has granted EC for 1st year production of 5000 cum for the year 2021. However, the PP has carried out mining operation extracting 4986 cum in the year 2022-23 and 9663 cum in the year 2023-24 without EC.

After detailed deliberation in the matter, the authority decided to seek explanation from the Tahasildar, Bhuban how the PP was allowed to extract sand in the year 2022 and year 2023 without EC.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


04.01.24
Chairman, SEIAA

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AGENDA NO.149.06	
Proposal No.	SIA/OR/MIN/303312/2023
Date of application	04.09.2023
File no.	SIA/OR/MIN/237376/2021
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Bangarada River Sand Quarry (River-Barha) over an area of 12.00Acre or 4.856 Ha under village-Bangarada Tahasil-Aska of Ganjam District Odisha
Name of the company/Organization	M/s. Premex
Location of Project	village-Bangarada, Tahasil-Aska of Ganjam District Odisha
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Bangarada River Sand Quarry over an area of 12.00Acre or 4.856 Ha under village-Bangarada Tahasil-Aska of Ganjam District Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 2998/SEIAA dated 28.09.2021 and EC transfer vide letter no.3625/SEIAA dt. 18.12.2021 for Bangarada River Sand Quarry over an area of 12.00Acre or 4.856 Ha under village-Bangarada, Tahasil-Aska of Ganjam District Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 66184 cum with depth of sand deposition was 2.0 meter and proposed for annual extraction-10000 cum.
- (iv) The SEIAA also granted EC for 1st year production 10000 cum with depth of mining 1.0meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th December 2022 if satisfactory replenishment study report is not submitted."
- (vi) The PP has submitted compliance of EC conditions with mentioned that the quarry has been operated and 5000 cum of sand extracted from the source in 1st year.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Amresh Rath with mentioned that the Pre-monsoon reserve 53.67 M RL and Post-monsoon reserve 54.37 M RL and quantity of sand replenished is 23164 cum and proposed production for next year is 5000 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and the SEAC observed the following:

- a) It is observed that the study and DEM submitted with contour are erratic and not acceptable.
- b) There is a contour difference of 10m. inside the river (58.5m and 48.5m.)
- c) Water level is marked as 51.6m and sand in dry state is shown at 48.5m. RL
- d) Post monsoon and pre monsoon level difference is shown as 0.3m whereas sand replenishment thickness is considered as 0.7m. for replenishment study.



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- c) Sand reserve depth is considered as 2m. for the entire area where as surface level variation is shown at higher side.
- f) Replenishment study is erratic and incomplete as per the stipulation of guidelines.
- g) Hence, this proposal is **not recommended for sand mining** subject to outcome of further replenishment studies.

Decision of Authority: Rejected


The authority perused the recommendation of SEAC as below:-

- a) It is observed that the study and DEM submitted with contour are erratic and not acceptable.
 - b) There is a contour difference of 10m. inside the river (58.5m and 48.5m.)
 - c) Water level is marked as 51.6m and sand in dry state is shown at 48.5m. RL.
 - d) Post monsoon and pre monsoon level difference is shown as 0.3m whereas sand replenishment thickness is considered as 0.7m. for replenishment study.
 - e) Sand reserve depth is considered as 2m. for the entire area where as surface level variation is shown at higher side.
 - f) Replenishment study is erratic and incomplete as per the stipulation of guidelines.
- Hence, this proposal is **not recommended for sand mining** subject to outcome of further replenishment studies.

After detailed deliberation in the matter, the authority accepted the recommendation of SEAC and decided to reject the proposal for amendment in EC.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


54.01.24
Chairman, SEIAA

Agenda of 149th Meeting of SEIAA, Odisha held on 28.12.2023 & 29.12.2023

AGENDA NO.149.07

Proposal No.	SIA/OR/MIN/303400/2023
Date of application	13.09.2023
File no.	251506/191-MINB2/01-2022
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Baitarani Sand Bed, Talagaon over an area of 12.30 acres or 4.978 hectares in village Talagaon under Ghasipura Tahasil in Keonjhar District, Odisha
Name of the company/Organization	Sri Sarat Chandra Nayak
Location of Project	village Talagaon under Ghasipura Tahasil in Keonjhar District, Odisha
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Baitarani Sand Bed, Talagaon over an area of 12.30 acres or 4.978 hectares in village Talagaon under Ghasipura Tahasil in Keonjhar District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR162554 dated 31.03.2022 and EC transfer vide letter no.3625/SEIAA dt. 18.12.2021 for Baitarani Sand Bed, Talagaon over an area of 12.30 acres or 4.978 hectares in village Talagaon under Ghasipura Tahasil in Keonjhar District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 60342 cum with depth of sand deposition was 2.0 meter and proposed for annual extraction-12068 cum.
- (iv) The SEIAA also granted EC for 1st year production 10000 cum with depth of mining 1.0meter.
- (v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 30th November 2022 if satisfactory replenishment study report is not submitted."
- (vi) In regard to EDS reply,the PP has mentioned that the Lease Deed has been executed on 3.7.2023 and the CTO has been obtained on 24.7.2023. Due to rainy season, the mining operation has not been started till now. So, the production is nil.
- (vii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Pabitra Kumar Swain along with ORSAC empanelled agency with mentioned considering the restriction, it is found that, the safe workable area for pre- monsoon survey was 3,423.94 m² and for post-monsoon survey was 14,758.33 m² and the quantity of sand replenished is 744.89 cum. The same is proposed for 1st year production.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and the SEAC observed the following:

- a) The study report does not include contour map of the study area for both pre and post monsoon period for comparison.
- b) The assumed depth of reserve is 2m throughout based on which EC has been granted but the replenishment report has concluded a depth of 0.26m.

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- c) Major area comes within water bearing part of river and buffer area as per guidelines. (More than 50%)
- d) Replenishment study is incomplete as per the stipulations of guide lines-2020.
- e) Hence, this proposal is not recommended for sand mining subject to outcome of further replenishment studies.

Decision of Authority: Rejected

The authority perused the recommendation of SEAC as below:-


- a) The study report does not include contour map of the study area for both pre and post monsoon period for comparison.
- b) The assumed depth of reserve is 2m throughout based on which EC has been granted but the replenishment report has concluded a depth of 0.26m.
- c) Major area comes within water bearing part of river and buffer area as per guidelines. (More than 50%)
- d) Replenishment study is incomplete as per the stipulations of guide lines-2020.
Hence, this proposal is not recommended for sand mining subject to outcome of further replenishment studies.

After detailed deliberation in the matter, the authority accepted the recommendation of SEAC and decided to reject the proposal for amendment in EC.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA

Agenda of 149th Meeting of SEIAA, Odisha held on 28.12.2023 & 29.12.2023



AGENDA NO.149.08

Proposal No.	SIA/OR/MIN/303482/2023
Date of application	23.08.2023
File no.	SIA/OR/MIN/419224/2023
Project Type	Proposal for CORRIGENDUM of EC for correction of Mining plan approval date in EC letter
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Corrigendum EC of Anjira Black Stone Quarry No 14 over An Area of 2.023 Hectare or 5.00 Acrese In Village Anjira under Dharmasala Tahasil And Jajpur District
Name of the company/Organization	Sri Deepinder Malhotra
Location of Project	Village Anjira under Dharmasala Tahasil And Jajpur District
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for Corrigendum EC of Anjira Black Stone Quarry No 14 over An Area of 2.023 Hectare or 5.00 Acrese In Village Anjira under Dharmasala Tahasil And Jajpur District.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC23B001OR167343 dated 17.05.2023 for Anjira Black Stone Quarry No 14 over An Area of 2.023 Hectare or 5.00 Acrese in Village Anjira under Dharmasala Tahasil And Jajpur District.
- (iii) During drafting of EC letter it is mentioned that the Deputy Director of Geology, Bhubaneswar has approved the mining Plan on 24.02.2023 instead of Modified Mining Plan approval letter no. 2561 dt. 22.04.2022 that need to corrected as requested by the PP.
- (iv) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and the the SEAC recommended for correction in EC letter as per the modified mining plan.

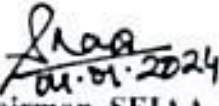
Decision of Authority: Approved

After detailed deliberation in the matter, the authority allowed corrigendum in the EC letter as per the modified mining plan.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
01.01.2024

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AGENDA NO.149.09


Proposal No.	SIA/OR/MIN/428620/2023
Date of application	25.05.2023
File no.	428620/769-MINB1/05-2023
Project Type	Proposal for EC for expansion of production capacity
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC for Expansion of Raikela and Tantra Iron Mine from 2.16 to 3.024 MTPA through Opencast mining method with maximum excavation of 3.27 MTPA (ROM + OB) over an ML area of 49.372 Ha in villages – Raikela, Tehsil - Koida of Sundargarh district in Odisha by M/s Penguin Trading & Agencies Limited.
Name of the company/Organization	M/s Penguin Trading & Agencies Limited
Location of Project	villages – Raikela, Tehsil - Koida of Sundargarh district in Odisha by M/s Penguin Trading & Agencies Limited
ToR Date	11.04.2022
Name of the Consultant	M/s Visiontech Consultancy Pvt. Ltd.

I. 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) This proposal is for Environmental Clearance for M/s Penguin Trading & Agencies Limited of Expansion of Raikela and Tantra Iron Mine from 2.16 to 3.024 MTPA through Opencast mining method with maximum excavation of 3.27 MTPA (ROM + OB) over an ML area of 49.372 Ha. in villages – Raikela, Tehsil - Koida of Sundargarh district of Sri Raman Rashmi Nayak.
- (ii) **Category:** The project falls in category B1 of the schedule in activity 1(a) - Mining of minerals as per EIA notification 2006 and its amendments. The Project Proponent has proposed expansion of 40%, in Raikela and Tantra Iron Mines from 2.16 to 3.024 MTPA and has applied for EC under 7(ii) (a) as per MoEF & CC OM dated 11th April, 2022.
- (iii) **Project Details:** Raikela and Tantra Iron Ore Mines is located in village - Raikela, Tahasil - Koida, District - Sundargarh, State - Odisha, over an area of 49.372 ha.in which 48.632 ha. land is forest land. Proposed Expansion of Raikela and Tantra Iron Ore Mine from 2.16 to 3.024 MTPA through Opencast mining method with maximum excavation of 3.27 MTPA over an ML area of 49.372 Ha. in villages – Raikela, Tehsil - Koida of Sundargarh district in Odisha.
- (iv) Mining plan is approved by IBM vide letter no. BBS/SNG/IRON/2201/MRMP/2022-23 dated 14.02.2023.
- (v) Forest Clearance (Stage II) obtained over an area of 45.585 ha excluding Safety Zone vide letter no. 8-23/2007-FC dated 15.07.20215. Forest Clearance over Safety Zone Area over 3.047 ha. For Change of land use from safety zone to mining, Clearance granted over 0.218 ha. under safety zone obtained vide letter no. 10F (Cons) 25/2020/12478/F&E dated 17.08.2020.

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- (vi) Mining Lease of Raikela and Tantra Iron Mines was granted in favor of Sri Ramji Lal Bathwal for 20 years on 03.12.1986. The lease was transferred to M/s Penguin Trading & Agencies Ltd. on 23.06.1991.
 - (vii) 1st Renewal of lease was applied on 22.02.2005. Under Section 8(A) of MMDR Act of 12.01.2015, lease period was extended up to 02.12.2036.
 - (viii) M/s Penguin Trading and Agencies Pvt. Ltd. had obtained Environmental Clearance for production of 2.16 MTPA of Iron Ore vide EC Identification No. - EC22B001OR172761, File No.-215287/64-MINB1/12-2021, Date of Issue 17.03.2022.
 - (ix) Consent To Establish issued vide letter No. 3406/IND-II-CTE-6281/2022 dated 04.03.2022 and after amendment, letter issued vide.10085/IND-II-CTE-6281/2022 dated 09.06.2022 for Production of 2.16 MTPA Iron ore with crushing plants of 300 TPH and screening plants of 750 TPH from the State Pollution Control Board (SPCB), Odisha and is valid for 05 Years.
 - (x) Consent To Operate was issued vide letter No. 11015/IND-I-CON-4573 dated 24.06.2022 for production of 2.160 MTPA with Iron ore crushing plants of 300 TPH and screening plants of 750 valid up to 31.03.2026.
 - (xi) Certified Report of EC Compliance from RO, MOEF&CC, Govt. of India vide File no. 109 – 93 dated 10-06-2022 has been issued and there was no non-compliance. For a period of October 2022 to March 2023, compliance report has been submitted and Project Proponent has asked for 2 months for submitting the certified EC Compliance report.
 - (xii) Site Specific Wildlife Conservation plan 1st approved plan vide. 27551WL-C-SSP-197/10 dated 13.04.2010.
 - (xiii) NOC from Ground Water for 48 KLD approved vide letter no. CGWA / NOC / MIN / REN / 3 / 2021 / 6169 dated 10.10.2021 and has been renewed which is valid upto 09.10.2023.
 - (xiv) Surface Water withdrawal permission of 0.123 cusec obtained from Department of Water Resources, Government of Odisha vide letter no. 8632/WR dated 01.05.2020.
 - (xv) DGMS Approval for Joint Mining between JSPL and Penguin Trading Ltd. vide letter no. 330209/SEZ/Chaibasa Region/Perm/2020/5846 dated 28.08.2020.
 - (xvi) MoU between JSPL and M/s PTAL, for joint mining was done on dated 15.10.2016
 - (xvii) Power approval from WESCO for 533 KVA was done on dated 01.11.2018 for 5 years.
 - (xviii) DGPS Approval by ORSAC done by vide map no. 1746/1, dated 19.04.2017.
 - (xix) **TOR Details:** Proposed expansion of Raikela and Tantra Iron Mines from 2.16 to 3.024 MTPA is based on MoEF & CC OM dated 11th April 2022, ToR is exempted for expansion up to 40% under 7(ii) (a) of EIA notification 2006. Final EIA/EMP report is prepared on the basis of standard TOR as per the said notification.
 - (xx) **Public hearing details:** The Public Consultation was conducted successfully on 21.10.2021 at 11.00 AM. Proceedings of Public Consultation issued letter vide Letter no-19360/IND-II-PH-926 dated-06-12-2021. Proposed expansion of Raikela and Tantra Iron Mine from 2.16 to 3.024 MTPA is based on MoEF&CC OM dated 11th April 2022, public hearing is exempted for expansion up to 40% under 7(ii) (a) of EIA notification 2006.
 - (xxi) **Eligibility of the Project under clause 7(ii) "a":**

Sl. No.	Criteria to be fulfilled	Reply by PP
Point-1 :	The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments	Public hearing was conducted on 21.10.2021, for enhancement in production from 1.080 million TPA to 2.160 million TPA. Issues raised in PH including education, health and employment etc., and action plan to address the issues was prepared for a period of 5years. Till now Rs. 4.78 Cr. has been spent.

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Point-2 :	There should not be change in Category of the project from 'B2' to 'B1' or 'A' due to proposed modernisation or expansion.	The project falls in category B1 of the schedule 1(i) (a) "Mining of Minerals" as per EIA notification 2006 and its amendments. Post expansion of 40% the project will still remain in same category as per MoEF & CC OM dated 20th April, 2022.
Point-3 :	There is no additional land acquisition or forest land diversion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-à-vis the area mentioned in the EC, based on which public hearing has been held earlier.	There is no change in land area after expansion of the proposed project with respect to forest land diversion or increase in lease area. The land is distributed as 48.632 ha of Forest land and 0.740 ha of Non-Forest Govt. Land.
Point-4 :	The proposed expansion shall not be more than 50% of production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	The existing EC has been granted for enhancement in production from 1.08 MTPA to 2.16 MTPA vide EC Identification No.-EC22B001OR172761, F.No.-215287/64-MINB1/12-2021 dated 17th March 2022. The proposed expansion is from 2.16 MTPA to 3.024 MTPA i.e., 40% enhancement in capacity. The enhancement shall be under taken in 2 phases as per MoEF & CC OM dated 11th April, 2022.
Point-5 :	Predicted environmental quality parameters arising out of proposed expansion/modernization shall be within the prescribed norms and the same shall be maintained as per prescribed norms	Baseline parameters have been studied as per MoEF & CC and CPCB norms. Impacts have been predicted and mitigation measures have been proposed to maintain the environmental quality parameters well within the prescribed limits.
Point-6 :	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	Greenbelt development after end of the plan period which is more than 33%. It is a running Mines and in approved mining plan it has been indicated for year wise reclamation. Accordingly it is being done. Also Financial assurance has been submitted to the Regional Controller of Mines, IBM, Bhubaneswar for this purpose
Point-7 :	The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not	The condition stipulated in existing EC has been complied with satisfactorily issued raised in public hearing included education, employment and medical facility etc., and action plan for address the issue was prepared for a period of 5 years. A certified compliance report from MoEF & CC, IRO has been obtained vide File No.109-93, dated 10.06.2022.

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	be more than one year old at the time of submission of application.	
Point-8 :	Public Consultation shall be undertaken (if applicable as per table below) by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Not Applicable. Project Submission under MoEF & CC OM dated 11th April 2022, clause 7(ii) (a) of EIA notification 2006, for 40% Expansion.
Point-9 :	Effluent monitoring including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	All conditions are complied and effluent monitoring and air quality monitoring photographs are attached.

(xxii) **Location and Connectivity:** The Raikela & Tantra mining lease area is located in village Raikela & Tantra of Bonai Sub-division in Sundergarh District and is easily accessible from Tensa town, which is at a distance of 0.7km connected through public motorable road. The ML area is covered under the SOI toposheet No. 73 G/1 and has the following coordinates - Latitude- 21°52' 18.98232" to 21° 53' 00.94342" N Longitude - 85°10' 43.37875" to 85° 11' 05.86014" E. The nearest rail head are Barsuan (17 km) and Roxy (40 km) in SE. The nearest National Highway and State Highway roads are NH-215 (Panikoli-Rajamunda) at 6.6 km NE and SH-10 (Koida Barsuan Road) at 0.16 km SW. The nearest airport is Biju Patnaik International Airport at 191 km SE. Nearest water bodies are Karo Nala at 0.1km in SE. Sarkanda Nadi at 4.71km in S. There are no National parks, Wildlife Sanctuary, Biospheres reserves within 10 km radius. There are four Reserve Forest within 10km radius Sarkanda R.F. 1.54 km S, Kathamala R.F. 6.61km NE, Torha R.F. 2.38 km N, Bhabani Pahar R.F. 5.74 km E. There is presence of Schedule-I species like Elephant in the study area.

(xxiii) **Topography:** The ML exhibits undulating hilly topography varying from 620 m AMSL on the southern part to 840 m AMSL on the northern part of the ML area. Out of the total 49.372 ha 48.632 ha is of forest land and balance 0.740 ha is of non-forest land. An area of 46.165 ha has already been utilized due to the mining and ancillary activities. The topography of the study area (10 km around the ML boundary) exhibits plain as well as hilly topography. The general gradient of the area is towards north. Study area shows plain topography towards eastern side whereas northern, southern and western side of the study area shows undulating topography.

(xxiv) **Drainage:** The area falls within the Baitarini river Basin and watershed of the Karo nala which flows at a distance of 0.1km on the southern side of the ML area. There is no perennial streams/nalas flowing across the ML area. Drainage system of the study area exhibits dendritic pattern. The Karo nalla which flows at a distance of 0.1 km is the principal drainage system of the area and it finally drains into Baitarini River.

(xxv) **Seismicity:** The project is under very feeble to Moderate Risk Zones (Zone-III). The project area is not prone to floods, landslides or cloudburst etc.

(xxvi) **Baseline study:** Baseline data was collected during winter season from Dec. 2020 to Feb. 2021.

a) **Ambient Air Quality:** The project is an expansion project, and the study area is scattered with rural area. The area has cluster of Iron mines. The monitored results show PM10 levels were in the range of 25 µg/m³ to 82µg/m³, PM2.5 levels were in the range of 12 µg/m³ to 46 µg/m³, SO₂ levels were in the range of 4.1 µg/m³ to 10.2 µg/m³, NO_x levels were in the range of 9.1 µg/m³ to 23.2 µg/m³& CO remained below detection level which are well within the prescribed limit of Central Pollution Control Board.

b) **Noise Quality:** The noise levels were measured at eight stations in core and buffer zone located in residential areas. The noise levels observed during day time varies from 64.3 to 31.9 dB(A)

and at night time varies from 45.9 to BDL<30 dB(A). All the noise values observed are well within the limits prescribed by National Ambient Air Quality Standards for Noise.

- c) **Surface water quality:** The physio-chemical characteristics of surface water were analyzed. In fresh water, the pH values of are varies from 7.3 to 7.82, the dissolved solids are 96 to 106 mg/l, chlorides are 30.2 to 36.4 mg/l, fluorides are 0.23 to 0.32 mg/l, Sulphate 15.6 to 26.2 mg/l respectively. The MF technique involves direct plating for detection and estimation of total coliform densities. The total coliform density in fresh water are varies from 79-97 MPN/100 ml, which are within the limit as per IS-2296, for surface water quality.
- d) **Ground water quality:** The physio-chemical characteristics of ground water samples were analyzed. The levels of total dissolve solids varied from 132-219 mg/l, total hardness from 124-152 mg/l, chloride from 24.7-39.2 mg/l, Sulphate from 19-43 mg/l and alkalinity from 97-135 mg/l.
- e) **Soil quality:** Top soil samples were collected from core & buffer zone, from four locations. From the above analysis report, it is found that the bulk density ranges between 1.12 to 2.24 g/cm³. The soil texture is almost clayey. The soil is very much fertile for agriculture purpose.

(xxvii) **The land utilization plan:** The mine lease area is spread over 49.372 Ha. The land utilization plan is given below.

Sl. No.	Type of land use	At the beginning of plan period (in ha.)	At the end of plan period (in ha.)
1.	Mining	29.73	32.40
2.	Mineral storage	2.61	4.64
3.	Roads	2.05	2.62
4.	Infrastructure (Workshop, Administrative building etc.)	0.13	0.27
5.	OB/waste dump	6.13	8.34
6.	Top soil preservation	0.00	0.00
7.	Greenbelt	2.989	1.03
8.	Others	5.731	0.07
	Total	49.37	49.37

(xxviii) **Production and waste generation:**

Sl. No.	Year	Pit ID	Total Topsoil Volume (m ³)	Total Over Burden Volume (m ³)	Total Over Burden Quantity (t)	Total ROM Volume (m ³)	Total ROM Quantity (t)
Phase I - 20% Increase							
1	2022-2023	Joint Mining Pit	0.00	19847.70	39695.40	386720.53	1121489.52
2		Raikela & Tantra Pit	0.00	220.42	440.84	386720.53	117010.48
3	2023-2024	Joint Mining Pit	0.00	3523.01	7046.02	149447.89	415465.14
4		Raikela & Tantra Pit	0.00	47550.90	95101.80	821775.13	2284534.86
Phase II - 40% Increase							
5	2024-2025	Joint Mining Pit	0.00	19931.97	39863.94	62167.53	167852.34

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6	2025-2026	Raikela & Tantra Pit	0.00	106965.37	213930.74	1023708.84	2856147.66
		Joint Mining Pit	0.00	12637.98	25275.96	271985.59	775158.94
		8 Raikela & Tantra Pit	0.00	64175.57	128351.14	780847.59	2248841.06
Total		0.00	2,74,852.92	5,49,705.84	38,83,373.63	99,86,500.00	

(xxi) **Mining method:** Mechanised opencast mining method with large HEMM will be carried out to increase the production from a level of 2160000 T to 3024000 T. Further the mining operations is now proposed to be on 3 shift basis as against 2 shifts joint mining was earlier proposed along the northern boundary with Jindal Steel Power Ltd. joint mining along the common boundary is now being proposed with National Enterprises and Korp Resources Pvt. Ltd. and Gitarani Mohanty Necessary permission will be obtained. Life of Mines is estimated as 10.45 years.

(xxii) **Waste Generation and Management:** Waste dump already reclaimed technically and biologically. This dump area is already proven barren by drilling. This dump has waste materials which are of grade below 45% Fe of laterite, shale, BHJ, BHQ, etc. This dump is already reclaimed by coir matting and subsequently plantation has been done surrounded by retaining wall of 1.5m height & 1m width and garland drain. Any rain cut which may develop in dump slope is proposed to be checked by no. of small check dams. Garland drains at the toe of the dump is connected to settling tank. Backfilling has already been initiated and till now 2.820 ha area has already been backfilled with waste material after proving the area as barren by putting bore holes. Retreating method is adopted for backfilling. During the futuristic mining activity, tentatively out of the total waste 40% of waste material shall be utilized for road maintenance purpose and balance 60% shall be used for backfilling covering an area of 5.874 ha till the conceptual period. The reclamation plan as envisaged during the next five year till 2025-26 shall be as follows:

Sl. No.	Year	Waste Generation (Cub M)	Utilization		Backfilling Area (Sq.M)	Surface Level (Top RL/Bottom RL)
			Road Maintenance (Cub M)	Backfilling (Cub M)		
1.	2021-22	192875	67506	125369	8226	715/700
2.	2022-23	192900	67515	125385	8300	730/700
3.	2023-24	203575	71251	132324	15635	737.5/700
4.	2024-25	235725	82504	152221	18429	7745/700
5.	2025-26	257150	90002	167148	18902	752.5/700
Total		1082225	378778	703447		

(xxiii) **Water requirement:** About 348 KLD water will be required for dust suppression, plantation, workshop & wheel wash, drinking & domestic activities, etc. Mine pit water will be used for dust suppression and plantation activities. Ground water from bore well will be used for drinking and domestic use. Necessary permission from CGWA and permission for drawl of surface water from Karo Nala obtained.

(xxiv) **Wastewater management:** Wastewater & sanitary sewage from domestic use in the mine site is being discharged to septic tank followed by soak pit and in no circumstances discharged to any water body. There will not be any garage with washing facility within the leasehold area and hence the chance of generation of effluent from workshop does not arise.

(xxv) **Power Requirement:** A total of 533 KVA power is required for mining operation. Power supply will be drawn from WESCO.

(xxvi) **Flora/Fauna:** Within core zone 20 species of trees, 4 species of shrubs, 3 species of climbers and 2 species of grasses are present. Common native species such as Arjun, Bel, Char, Kendu,

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Jamun, Neem, Palas, etc. are also present in the core area. Avifaunal species found are House Crow, House Sparrow and Pigeon etc. Mammals found are squirrel, cat, mongoose and rat. Reptiles reported are krait and rat snake. Only one Schedule I species found namely Elephant.

- (xxvii) **Green belt:** Schedule planned for green belt development to be checked after every year and any alternation required will be implemented. Post plantation status will be regularly checked in every season. Plantation will be undertaken over the life of mine in a phase wise manner. The plantation will start from the first year of mining. Total existing plantation in 5.925ha, area and proposed plantation area will be 3.445 ha. And 5515 tree will be planted over 5 year of plan period.
- (xxviii) **Manpower:** The estimated total manpower requirement (direct or indirect) for the mining project is 442 persons (221 persons for phase-I and 221 persons for phase-II).
- (xxix) **Project Cost:** The expected cost of the project is Rs. 47.19 crores.
- (xxx) **Environment Consultant:** The Environment consultant **M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.
- (xxxi) The SEAC in its meeting held on dated 19-06-2023 recommended the following:
- A. Only 20% increase in production capacity may be considered in first phase under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022 and after successful compliance to phase-I, rest 20% increase in production capacity will be considered under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022.
 - B. Final EIA/EMP report may be prepared on the basis of standard TOR as per MoEF&CC, Govt. of India OM dated 11th April 2022 and also public hearing may be exempted as per the said OM dated 11th April 2022.
 - C. Following may be included in the final EIA/ EMP report:
 - i) Traffic Study Report vetted by reputed institute.
 - ii) Whether mining activity has been carried out in safety zone or has maintained the safety zone area of 7.5 metres surrounding the mining activity zone?
 - iii) Layout map of Overburden and current status of different grades of mineral rejects.
 - iv) Comparative tabulated form between present magazine management and proposed plan due to expansion.
 - v) A brief note on FMCP.
 - vi) Chemical analysis report of the ore.
 - vii) Status of implementation of Site-Specific Conservation Plan.
 - viii) RL of ground water level during summer and rainy season as well as RL of surface post mining as per the approved mining plan
 - ix) Contents of chromium, manganese and heavy metal elements in the ground water samples of EIA study area.
 - x) Green belt area is getting reduced. Does not look like 33% as stipulated in point No. 6 of Eligibility of the Project under clause 7(ii) "a": This shall be clarified with detailed calculation of greenbelt existing and proposed.

(xxxii) The proponent has furnished the compliance and the SEAC verified the same as follows:

Information Sought by SEAC	Compliance furnished by the proponent	Views of SEA
Traffic Study Report vetted by reputed institute.	Traffic study report has been attached as Annexure-A	Traffic Study Report vetted by Odisha University of

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		Technology and Research.			
<p>2. Whether mining activity has been carried out in safety zone or has maintained the safety zone area of 7.5 metres surrounding the mining activity zone?</p>	<p>The total Mining lease area is 49.372 Ha and out of which 48.632 Ha is Forest Land (Khesra Forest: 7.936 Ha and DLC Forest is 40.696 Ha); out of 48.632 Ha of Forest Land 3.047 Ha is Safety Zone Area.</p> <p>The User Agency has obtained Forest Clearance (Change in Land Use From Safety Zone Purpose to Mining Purpose) over an area of 0.218 Ha vide letter No. F.No. 8-23/2007-FC, Dt. 10.07.2020 from MoEF & CC and after obtaining all statutory clearance, the joint Mining work has been started from 2022-23 with TRB Iron Ore Mines of M/s. Jindal Steel & Power Ltd, Tensa, Sundargarh.</p> <p>So the Balance Safety Zone Area is now available of 2.829 Ha.</p> <p>Out of which the User Agency has applied One proposal vide proposal No. FP/OR/REDIV/430002/2023, Dt. 20/05/2023, has been submitted for change in Land Use Pattern from Safety Zone Purpose to Mining Purpose (Cluster Mining with Korp Resources Pvt Ltd, National Enterprises and (Gitarani Mohanty) over an area of 1.1594 Ha.)</p> <p>Out of which the User Agency has applied another proposal vide proposal No. FP/OR/REDIV/431319/2023, Dt. 30/05/2023 for change in Land Use Pattern from Safety Zone Purpose to Mining Purpose (Around Explosive Magazine) over an area of 0.636 Ha.</p> <p>So the Balance Safety Zone Area of 1.0336 Ha will be maintained as Safety Zone.</p>				
<p>3. Layout map of Overburden and current status of different grades of mineral rejects.</p>	<p>Lay out Plan/Surface Plan of Overburden and current status of different grade of mineral rejects stocks is enclosed herewith as Annexure-B.</p>	<p>Surface plan showing 2 temporary mineral rejects stock 1 of grade +45-51% Fe and temporary mineral rejects stock 2 of grade +51-55%.</p>			
<p>4. Comparative tabulated form between present magazine</p>	<table border="1"> <tr> <td data-bbox="603 1944 778 2054">Sl No.</td> <td data-bbox="778 1944 946 2054">Present Magazine</td> <td data-bbox="946 1944 1252 2054">Proposed Magazine Managem</td> </tr> </table>	Sl No.	Present Magazine	Proposed Magazine Managem	
Sl No.	Present Magazine	Proposed Magazine Managem			



management and proposed plan due to expansion.		Management Plan	ent Plan Due to Expansion		
	1.	Now the User Agency has engaged authorized agency (Out sourcing) to conduct blasting along with explosive under the supervision of Mines Manager in accordance of the terms & condition of Explosive Act'1983	As the nature of ore is soft and the quarry will go down gradually. So blasting requirement will be less, So the same practice by engaging authorized agency (out sourcing) to conduct blasting along with explosive under the supervision of Mines Manager in accordance of the terms & condition of explosive Act'1983.		
5.		A brief note on FMCP.	A brief summary of FMCP has attached as Annexure - C.	complied	
6.		Chemical analysis report of the ore.	Chemical analysis report of Iron Ore is enclosed herewith as Annexure - D.	complied	

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7.	Status of implementation of Site-Specific Conservation Plan.	Certificate from Divisional Forest Officer is attached as Annexure-E .	Site-Specific Conservation Plan approved on dated 13.04.2010 with financial outlay of Rs.173 lakhs with implementation period of 10 years from 2019-20 to 2028-29.
8.	RL of ground water level during summer and rainy season as well as RL of surface post mining as per the approved mining plan	RL of ground water level during summer season: 587 m. RL of ground water level during rainy season: 591 m. RL of surface post mining as per the approved mining plan: 640 m.	-
9.	Contents of chromium, manganese and heavy metal elements in the ground water samples of EIA study area.	Contents of Chromium :< 0.002 mg/l which is less than acceptable limit (0.05 mg/l). Manganese: 0.014 to 0.024 which is also less than acceptable limit (0.1 mg/l) All the heavy metal elements analysed are under permissible or acceptable limit. Ground water analysis result is summarized in EIA report (Chapter-3, Section-3.10.1.3).	-
10.	Green belt area is getting reduced. Does not look like 33% as stipulated in point No. 6 of Eligibility of the Project under clause 7(ii) "a": This shall be clarified with detailed calculation of greenbelt existing and proposed.	The total Mining Lease Area is 49.372 Ha. and out of which 48.632 Ha. is Forest Land (Kheshra Forest : 7.936 Ha. and DLC Forest is 40.696 Ha.); out of 48.632 Ha. of Forest Land 3.047 Ha. is safety Zone Area. The User Agency has obtained Forest Clearance (Change in Land Use From Safety Zone Purpose to Mining Purpose) over an area of 0.218 Ha. vide Letter No. F.No.8-23/2007-FC, Dt. 10.07.2020 from MoEF & CC and after obtaining all statutory clearance, the Joint Mining work has been started from 2022-23 with TRB Iron Ore Mines of M/s. Jindal Steel & Power Ltd, Tensa, Sundargarh. So the Balance Safety Zone area is now available of 2.829 Ha. Out of which the user Agency has applied one proposal vide proposal No. FP/OR/REDIV/430002/2023, Dt. 20/06/2023 has been submitted for change in Land Use Pattern from Safety Zone Purpose to Mining Purposes (Cluster Mining with Korp Resources Pvt Ltd, National Enterprisers and Gitarani Mohanty) over an area of 1.1594 Ha.	-



Out of which the user Agency has applied another proposal vide proposal no. FP/OR/REDIV/431319/2023, Dt. 30/05/2023 for change in Land Use Pattern from Safety Zone Purpose to Mining Purpose (Around Explosive Magazine) over an area of 0.636 Ha. So the Balance Safety Zone Area of 1.0336 Ha will be maintained as Safety Zone. But now the Green belt is available is 2.829 Ha as safety zone area and the Dumping and Back-filled Area is 4.125 Ha. As per approved mining plan every year 0.689 HA land will be covered as green belt. Post Mining the entire area will be covered as green belt. Also the User Agency has submitted a bank guarantee of 2,46,86,000.00 to IBM, Bhubaneswar. Also the Project Proponent has amended in the Lease Deed for re-grassing the entire area i.e 49.372 Ha.

Type of land use	At the end of conceptual period (in ha)	Post Mine Land Use	St
Mining	32.40	Plantation	Sh ca
Mineral storage	4.64	Plantatio n	Sh ca
Roads	2.62	Plantatio n	Sh ca
Infrastructure (Workshop, Administrative building etc.)	0.27	Plantatio n	Sh ca
OB/waste dump	8.34	Plantatio n	Sh ca
Top soil preservation	0.00	Road	
Greenbelt	1.03		
Others	0.07		De
Total	49.372		

Table- Land use breakup (Justification for Green Belt)

SL no.	Descri ption	Area in ha Duri ng	Are a in ha Duri	Are a in ha Duri	Area in ha Duri	Ar Du 20



		2022 -23	ng 202 3-24	ng 202 4-25	ng 202 5-26	(End of Life)
1	Safety Zone Area along ML Bound ary	2.19 3	2.19 3	1.03 36	1.03 36	1.0336
2	Safety Zone Area around Explos ive Magaz ine	0.63 6	0.63 6	0.00 0	0.00 0	0.000
3	Stabili zed OB Dump	2.27 5	1.94 5	1.94 5	1.94 5	2.275
4	Plantat ion in Back- filled of Excava ted Area	1.85 0	2.45 0	3.05 0	3.65 0	42.3074

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 18.11.2023 and SEAC recommended for grant of Environmental Clearance only for 20% increase in production capacity (i.e. from 2.16 MTPA to 2.592 MTPA) in first phase under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022 with stipulated conditions as per Annexure-A and following specific conditions and after successful compliance to phase-I, rest 20% increase in production capacity (i.e. from 2.592 MTPA to 3.024 MTPA) will be considered under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022.

- a) The project proponent needs to preserve or utilize the ore and fine's containing Fe between 35-45%, following IBM guidelines.
- b) The project proponent shall maintain adequate greenbelt in the lease area.
- c) OB dump sites shall be managed properly as proposed.
- d) The additional fines generated due to proposed enhancement shall be managed properly.
- e) Proper Air Pollution Control measures shall be provided to control dust emission and local dust generation.
- f) The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office



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g) of the Ministry of Environment, Forest and Climate Change for record and verification. Traffic management shall be done as per recommendation of Traffic Management Study Report duly vetted by institute of repute.

h) As a part of six-monthly compliance, the PP shall submit the status of Tailing Pond and its annual make-up to ascertain its capacity to take care of expansion in production including mineralogical & chemical analysis of excavated ore, dump materials and rejects. Also, actual layout after expansion may be submitted as a part of six-monthly compliance to the SEIAA, Odisha and Regional Office, MoEF&CC, Govt. of India, Bhubaneswar.

i) Adequate measures shall be adopted for management of noise, vibration and fly rocks.

j) Bench and dump slopes are to be designed and maintained so that their failure is avoided.

3. The proposal was placed in the 146th meeting of SEIAA held on 11.12.2023 and the authority observed that the PP has submitted Certified Compliance Report dated 10.06.2022 in respect of the old EC No. 354/SEIAA dated 27.12.2012 while the present application is for expansion of production quantity allowed in EC Identification No. EC22B0010R172761 dated 17.03.2022.

The PP is required to submit certified compliance report in respect of EC Identification No. EC22B0010R172761 dated 17.03.2022 from Regional Office, MoEF&CC, Bhubaneswar.

Now the PP has submitted their ADS for consideration of EC.

Decision Of Authority: Approved

The authority perused the certified compliance report dated 26.12.2023 from RO, MoEF&CC, Bhubaneswar. After detailed deliberation in the matter, the authority decided to allow EC for 20% increase in production capacity i.e. 2.16 MTPA to 2.592 MTPA subject to the following conditions.

- The project proponent needs to preserve or utilize the ore and fine's containing Fe between 35-45%, following IBM guidelines.
- The project proponent shall maintain adequate greenbelt in the lease area.
- OB dump sites shall be managed properly as proposed.
- The additional fines generated due to proposed enhancement shall be managed properly.
- Proper Air Pollution Control measures shall be provided to control dust emission and local dust generation.
- The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
- Traffic management shall be done as per recommendation of Traffic Management Study Report duly vetted by institute of repute.
- As a part of six-monthly compliance, the PP shall submit the status of Tailing Pond and its annual make-up to ascertain its capacity to take care of expansion in production including mineralogical & chemical analysis of excavated ore, dump materials and rejects. Also, actual layout after expansion may be submitted as a part of six-monthly compliance to the SEIAA, Odisha and Regional Office, MoEF&CC, Govt. of India, Bhubaneswar.
- Adequate measures shall be adopted for management of noise, vibration and fly rocks.
- Bench and dump slopes are to be designed and maintained so that their failure is avoided.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA

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AGENDA NO.149.10

Proposal No.	SIA/OR/MIN/303568/2023
Date of application	21.09.2023
File no.	1746/SEIAA
Project Type	Proposal for Amendment of EC for distance criteria of crusher given in EC letter.
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Nihal Prasad Road Metal Quarry over an area of 5.25 acres or 2.125 Ha at village-Nihalprasad, Tahasil-Gondia, Dist-Dhenkanal
Name of the company/Organization	M/s. Jagabandhu Enterprisers Pvt Ltd
Location of Project	village-Nihalprasad, Tahasil-Gondia, Dist-Dhenkanal
ToR Date	N/A
Name of the Consultant	N/A

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) This is a proposal for amendment of EC of Nihal Prasad Road Metal Quarry over an area of 5.25 acres or 2.125 Ha at village-Nihalprasad, Tahasil-Gondia, Dist-Dhenkanal.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 1746/SEIAA dated 16.07.2021 for Nihal Prasad Road Metal Quarry over an area of 5.25 acres or 2.125 Ha at village-Nihalprasad, Tahasil-Gondia, Dist-Dhenkanal.
- (iii) The PP has mentioned that condition given in EC letter on pint no. 9.21 that no stone crusher to be set up within 1km of the quarry site as the condition is not sustainable in view of lack of any policy or rules to that effect. Hence, the PP has requested to amend the condition given in EC letter as the PP has already set up the Crusher within 1km of the quarry based on CTE and CTO
- (iv) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 13th, 15th, 17th & 18th November 2023 and The SEAC recommended the following:

- a) SEAC in its meeting dated 30.06.2021 recommended Environmental Clearance for the proposal valid from the date of EC accorded upto the lease period.
- b) SEIAA has inserted the following condition in EC letter Point no. 9.21 “stone crusher unit shall not be set up within 1km of the quarry site, and any crusher to be set up (beyond 1km) has to be with prior permission and after obtaining of license and consent as per law”.
- c) The reason of the following condition inserted in EC letter is not known. Hence, SEIAA may take decision on the proposal.

Decision of Authority: ADS

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The authority observed that the EC has been issued on 16.07.2021 and the PP is seeking amendment of EC on 21.09.2023. Before taking any decision, the authority decided to seek clarification from the Tahasildar, Gondia on following points;

- (i) Whether mining has taken place within the lease area after issue of EC? If so, the quantity of extraction may be intimated year wise.
- (ii) Whether any stone quarry is existing or has been set up within 1 km of quarry site? If so, the copy of the order of setting criteria may be furnished for appraisal of the authority.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA

Agenda of 149th Meeting of SEIAA, Odisha held on 28.12.2023 & 29.12.2023



AGENDA NO.149.11

Proposal No.	SIA/OR/MIN/306875/2023
Date of application	02.12.2023
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Budhipadar Sand Bed Over an Area of 12.355 Acres or 5.00 Hectares in Village Budhipadar Under Junagarh Tahasil of Kalahandi District.
Name of the company/Organization	Sri Rupesh Singal S/o-Rajaram Singal At-Marwati Marg, Junagarh Dist-Kalahandi-766014
Location of Project	Village Budhipadar Under Junagarh Tahasil of Kalahandi District

Proposal in brief:

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

- (i) This is a proposal Transfer of EC of Budhipadar Sand Bed Over an Area of 12.355 Acres or 5.00 Hectares in Village Budhipadar Under Junagarh Tahasil of Kalahandi District.
- (ii) Documents submitted: Application in Form-7, earlier EC copy, Tahasildar forwarding letter, Status of quarry and scrutiny of Rs. 2000/- vide e-Challan Ref. No. 35D4BC3084 dated 02.12.2023
- (iii) The EC of Budhipadar Sand Bed Over an Area of 12.355 Acres or 5.00 Hectares in Village Budhipadar Under Junagarh Tahasil of Kalahandi District was in favour of Tahasildar, Junagarh vide SEIAA letter no./Identification No. 739/SEIAA dt. 26.02.2021
- (iv) Present status of quarry- working
- (v) Whether submitted KML file-Yes
- (vi) The project proponent applied proposal for transfer of EC from the name Tahasildar, Junagarh to Sri Rupesh Singal, (highest bidder/lessee) with attaching Mining Officer, Kalahandi forwarding letter vide letter no. 195 dated 16.10.2023.
- (vii) The PP has operated the quarry for last 2 years and extracted 10010 cum of sand from the source against approved quantity 5005 cum for 1st year. Hence, the PP has submitted suo-moto declaration along with the total project cost of Rs. 31,34,920/- and turnover amounting of Rs. 15, 01, 500/- during violation period through Chartered Account GB & Associates bearing UDIN No. 23061549BGWVDI6222
- (viii) Any deficiencies/omission have been noticed in the above documents- Not submitted ARRS report.

Whether SEAC recommended the proposal – N/A

Decision of Authority: Approved

After detailed deliberation, the Authority decided to allow transfer of EC of the said proposal as per the MoEF& CC, Govt. of India O.M. no. F. No. 22-21/2020-IA.III dated 07.07.2021 regarding Standard Operating Procedure (SOP) for identification and handling of violation cases under EIA Notification 2006 and in accordance with the order of Hon'ble National Green Tribunal subject to remittance of total penalty amount of **Rs.35,103/-** (i.e. 1% of the total project cost of Rs. 31,34,920/- + 0.25% of the total turnover during violation period of Rs. 15, 01, 500/-) to State Pollution Control Board (SPCB), Odisha.

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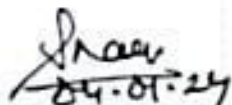


- i) The new lessee shall comply EC conditions issued earlier vide letter no. 739/SEIAA dt. 26.02.2021 with the following additional conditions within 6(six) months:
- a) **Boundary Demarcation:** - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC.
 - b) **Digital Map:** -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the Tahasildar shall be submitted to SEIAA, Odisha through email at info.seiaaodisha@gmail.com.
 - c) **Intimation of EC:** -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt.
 - d) **Tree Plantation:**-Compensatory Tree Planting (CTP) shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for avenue plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit Rs.2,50,000/- with the respective District Environment Society for raising 500 plants of native species within 2 years in a suitable location adjoining to quarry.
 - e) **State EMF Fund:** - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the Tahasildar and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.
- ii) The transfer of EC for extraction of 1250cum for 3rd. year on adhoc manner shall be issued after receipt of the documentary evidence to SEIAA, Odisha regarding the payment of the penalty, compensatory tree planting and state EMF fund. The PP shall undertake ARRS study through an ORSAC empanelled agency for further consideration of EC.
- iii) No further reference to SEIAA meeting is required.

APPROVED BY


Member Secretary, SEIAA


Member SEIAA


Chairman, SEIAA