



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.11

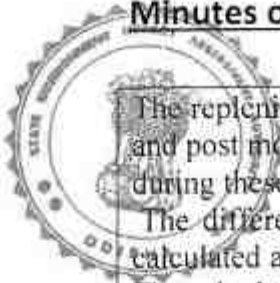
Proposal No.	SIA/OR/MIN/303140/2023
Date of application	09.08.2023
File no.	SEIAA-988/12-2020
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Bhimitali Sand Bed over an area of 11.05 acres or 4.47 hectares in village Bhimitali under Udala Tahasil in Mayurbhanj District Odisha
Name of the company/Organization	Sri Kailash Chandra Mohanty, S/o- Dayanidhi Mohanty, At/Po-Podasul, Ps- Nilgiri, District-Balasore, Odisha
Location of Project	village Bhimitali under Udala Tahasil in Mayurbhanj District Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief:

- (i) 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.
- (ii) This is a proposal for amendment of EC of Bhimitali Sand Bed over an area of 11.05 acres or 4.47 hectares in village Bhimitali under Udala Tahasil in Mayurbhanj District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 860/SEIAA dated 09.03.2021 for Bhimitali Sand Bed over an area of 11.05 acres or 4.47 hectares in village Bhimitali under Udala Tahasil in Mayurbhanj District Odisha.
- (iv) 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 38286 cum with depth of sand deposition was 1.2 meter and proposed for annual extraction-38000 cum.
- (v) The SEIAA also granted EC for 1st year production **38000 cum** with depth of mining 1.2 meter.
- (vi) 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 may 2022 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report and mentioned that **32450 cum** sand already extracted from the source for the period 2021 to 31.03.2022.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Sri P.K Sahoo, RQP and ORSAC empanel agency with mentioned that sand deposit in common workable area 0.6304.81 ha is 1297.16 cum and accordingly, estimated sand replenished in safe mineable area is **5349.96 cum** and proposed production for next year is **5349.96 cum**.
- (ix) 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 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



The replenishment study was carried out using UAV/Drone (Volumetric Method) in pre on 9th June 23 and post monsoon on 4th may 23. The selection of dates for study is not correct. The excavation quantity during these periods are not mentioned.

The difference in volume of replenished sand as per data attached for the post & pre monsoon is calculated as 1103.16cum.

The calculation given in study is confusing. The PP has mentioned as 2823.13cum as replenished volume. It is observed that the leased area In the post monsoon picture is covered with water. Hence, the replenishment study report is not acceptable.

Decision of Authority: Approved

The authority accepted the recommendation of SEAC and rejected the amendment in EC as the ARSS has not been done as per MOEF&CC, Govt. of India Guidelines on sustainable mining of sand. However, the authority allowed 5550 cum of sand for the 2nd year on adhoc manner (i.e. 1st year production allowed in EC 38000 cum – already extracted quantity of 32450 cum in 1st year) along with the following additional stipulation.

- The validity of EC for 2nd year is subjected to 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 by 31st December 2024.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


3.11.2023
Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.12

Proposal No.	SIA/OR/MIN/303144/2023
Date of application	17.08.2023
File no.	246130/144-MINB2/12-2021
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 Gamundi Jamapalli Sand Quarry over an area of 12.2 acres or 4.937 Hectares bearing khata No. 999 & 339, Plot No. 203/A & 703/A in the village Gamundi Jampalli, Tahasil Bhanjanagar, District Ganjam, State Odisha
Name of the company/Organization	Sri Rabindra Gouda
Location of Project	village Gamundi Jampalli, Tahasil Bhanjanagar, District Ganjam, State Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief:

- (i) 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.
- (ii) This is a proposal for amendment of EC of Gamundi Jamapalli Sand Quarry over an area of 12.2 acres or 4.937 Hectares bearing khata No. 999 & 339, Plot No. 203/A & 703/A in the village Gamundi Jampalli, Tahasil Bhanjanagar, District Ganjam, State Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR132986 dated 08.03.2022 for Gamundi Jamapalli Sand Quarry over an area of 12.2 acres or 4.937 Hectares bearing khata No. 999 & 339, Plot No. 203/A & 703/A in the village Gamundi Jampalli, Tahasil Bhanjanagar, District Ganjam, State Odisha.
- (iv) 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 54000 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-3300 cum.
- (v) The SEIAA also granted EC for 1st year production **3300 cum** with depth of mining 0.5 meter.
- (vi) 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."
- (vii) The PP has submitted EC compliance report and mentioned that **1250 cum** sand already extracted from the source for the period 2022-23.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Sri Amaresh Rath, RQP with mentioned pre-monsoon sand reserve is 75 RL and Post-monsoon is 75.68 RL, quantity of sand replenished 36720 cum and proposed production 3300 cum as per mining plan.
- (ix) 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 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-

- a) Levels provide deposit at all points as 0.65 to 0.75m.



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023


- b) No scouring of bed noticed even in deeper section.
- c) Error in calculation as swz considered as 54000sqm within lease area of 49370 sqm.
- d) 937 ha. is considered as 68040 sqm for replenishment calculation.
- e) Study is doubtful and erratic

Hence, the replenishment study report is not acceptable.

Decision of Authority: Approved

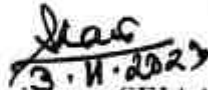
The authority accepted the recommendation of SEAC and rejected the amendment in EC as the ARSS has not been done as per MOEF&CC, Govt. of India Guidelines on sustainable mining of sand. However, the authority allowed 2050 cum of sand for the 2nd year on adhoc manner (i.e. 1st year production allowed in EC 3300 cum – already extracted quantity of 1250 cum in 1st year) along with the following additional stipulation.

- The validity of EC for 2nd year is subjected to 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 by 31st December 2024.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


3.11.2023
Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.13

Proposal No.	SIA/OR/MIN/303148/2023
Date of application	10.08.2023
File no.	SEIAA-1146/01-2021
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 Badbisol (Ambadiha) River Sand Bed over an area of 12.35 acres or 5.00 hectares in Village Badbisol (Ambadiha), under Kaptipada Tahasil in Mayurbhanj District, Odisha.
Name of the company/Organization	Sri Rajendra Bindhani
Location of Project	Village Badbisol (Ambadiha), under Kaptipada Tahasil in Mayurbhanj District, Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief:

- (i) 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.
- (ii) This is a proposal for amendment of EC of Badbisol (Ambadiha) River Sand Bed over an area of 12.35 acres or 5.00 hectares in Village Badbisol (Ambadiha), under Kaptipada Tahasil in Mayurbhanj District, Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 2474/SEIAA dated 04.09.2021 for Badbisol (Ambadiha) River Sand Bed over an area of 12.35 acres or 5.00 hectares in Village Badbisol (Ambadiha), under Kaptipada Tahasil in Mayurbhanj District, Odisha.
- (iv) 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 22356 cum with depth of sand deposition was 1.2 meter and proposed for annual extraction-22356 cum.
- (v) The SEIAA also granted EC for 1st year production **22356 cum** with depth of mining 1.2 meter.
- (vi) 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."
- (vii) The PP has submitted EC compliance report and mentioned that **3750 cum** sand already extracted from the source for the period 2022-23.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Sri P.K. Sahoo, RQP & ORSAC empanel agency with mentioned pre-monsoon sand reserve is 2191.27 cum and Post-monsoon is 5194.46 cum, quantity of sand replenished 2823.13 cum and proposed production 2823.13 cum as per mining plan.
- (ix) 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 7th, 8th & 11th Sept. 2023 and after detailed discussion, the SEAC observations the following-



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

The replenishment study was carried out using UAV/Drone (Volumetric Method) in pre on 9th June 23 and post monsoon on 4th May 23. The selection of dates for study is not correct. The excavation quantity during these period are not mentioned.

The difference in volume of replenished sand as per post & pre monsoon is calculated as 1310.46cum. The calculation given in study is confusing. The PP has mentioned as 2823.13cum.

It is observed that the leased area is a sharp bend portion of the river and also In the post monsoon picture, the leased area inside the river is covered with water barring some patches of land mass.

Hence, the replenishment study report is not acceptable.

Decision of Authority: Approved

The authority accepted the recommendation of SEAC and rejected the amendment in EC as the ARSS has not been done as per MOEF&CC, Govt. of India Guidelines on sustainable mining of sand. However, the authority allowed 18606 cum of sand for the 2nd year on adhoc manner (i.e. 1st year production allowed in EC 22356 cum – already extracted quantity of 3750 cum in 1st year) along with the following additional stipulation.

- The validity of EC for 2nd year is subjected to 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 by 31st December 2024.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


3.11.2023
Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.14

Proposal No.	SIA/OR/MIN/303153/2023
Date of application	10.08.2023
File no.	SEIAA-1122/12-2020
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 Balanga Sand Bed Inkidapal over an area of 12.35 acres or 5.00 hectares in village Inkidapal under Shamakhunta Tahasil in Mayurbhanj District Odisha
Name of the company/Organization	Sri Raj Kishore Mandal, S/o-Late Jagannath Mandal, At-Pandhada, PO-Bhagabandi, PS-Tiring, District-Mayurbhanj, Odisha
Location of Project	village Inkidapal under Shamakhunta Tahasil in Mayurbhanj District Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief:

- (i) 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.
- (ii) This is a proposal for amendment of EC of Balanga Sand Bed Inkidapal over an area of 12.35 acres or 5.00 hectares in village Inkidapal under Shamakhunta Tahasil in Mayurbhanj District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 1393/SEIAA dated 24.05.2021 for Balanga Sand Bed Inkidapal over an area of 12.35 acres or 5.00 hectares in village Inkidapal under Shamakhunta Tahasil in Mayurbhanj District Odisha.
- (iv) 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 103306 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-27000 cum.
- (v) The SEIAA also granted EC for 1st year production **6867 cum** with depth of mining 1.5 meter.
- (vi) 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 May 2022 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report but not mentioned last year production details.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Sri P.K. Sahoo, RQP & ORSAC empanel agency with mentioned pre-monsoon sand reserve is 3009.41 cum and Post-monsoon is 4508.41 cum, quantity of sand replenished 4397.5 cum and proposed production 4397.5 cum as per mining plan.
- (ix) Any deficiencies/omission have been noticed in the above documents-Nil



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-
The replenishment study was carried out using UAV/Drone (Volumetric Method) in pre on 9th June 23 and post monsoon on 4th May 23. The selection of dates for study is not correct. The excavation quantity during these period is not mentioned
The difference in volume of replenished sand as per post & pre monsoon is calculated as 706cum.
The calculation given in study is not clear. The PP has mentioned as 4397.13cum
Hence, the replenishment study report is not acceptable.

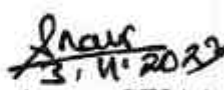
Decision of Authority: ADS

The authority observed that the PP has not submitted the production details in the application. After detailed deliberation in the matter the authority decided that the PP shall submit the 1st year production details as per EC order.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


3, 11, 2023
Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.15

Proposal No.	SIA/OR/MIN/303182/2023
Date of application	18.08.2023
File no.	SIA/OR/MIN/267192/2022
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 Chiladi River (Bahuda) Sand Bed-II over an area of 11.78 acres or 4.770 hectares Khata no.462, Plot no. 15/2957 in village Chiladi under Chikiti Tahasil in Ganjam District Odisha
Name of the company/Organization	Sri Laxman Pradhan
Location of Project	Chiladi under Chikiti Tahasil in Ganjam District Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief:

- (i) 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.
- (ii) This is a proposal for amendment of EC of Chiladi River (Bahuda) Sand Bed-II over an area of 11.78 acres or 4.770 hectares Khata no.462, Plot no. 15/2957 in village Chiladi under Chikiti Tahasil in Ganjam District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR111070 dated 06.04.2022 for Chiladi River (Bahuda) Sand Bed-II over an area of 11.78 acres or 4.770 hectares Khata no.462, Plot no. 15/2957 in village Chiladi under Chikiti Tahasil in Ganjam District Odisha.
- (iv) 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 49359 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-5001 cum.
- (v) The SEIAA also granted EC for 1st year production **3334 cum** with depth of mining 1.0 meter.
- (vi) 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."
- (vii) The PP has submitted EC compliance report and mentioned that **3334 cum** sand extracted in 1st year lease period.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Sri Amresh Rath with mentioned pre-monsoon RL 26.02 m and Post-monsoon RL is 26.64m, quantity of sand replenished 20401 cum and proposed production 3334 cum as per mining plan.
- (ix) Any deficiencies/omission have been noticed in the above documents- Nil

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023




2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-
The PP may be permitted to extract 5001m³ as per the approved mining plan, since the total minable reserve available after 1st year including the replenished amount is 66426 m³.
The water course shall not be disturbed due to mining.


Decision of Authority: Approved

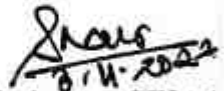
After detailed deliberation in the matter, the Authority decided to allow amendment in EC with the following specific condition:

- Maximum quantity of extraction of sand shall be **5001 cum** in the 2nd year as per SEAC recommendation. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency by 31st December 2024.
- The validity of EC for 2nd year is subjected to validity of DSR or validity of lease period, whichever is earlier.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.16

Proposal No.	SIA/OR/MIN/303191/2023
Date of application	18.08.2023
File no.	SIA/OR/MIN/286980/2022
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 Kalabada River Sand Bed-II over an area of 12.35 acres or 5.00 hectares Khata no.525, Plot no. 2395/B in village Kalabada under Chikiti Tahasil in Ganjam District Odisha
Name of the company/Organization	Sri Laxman Pradhan
Location of Project	village Kalabada under Chikiti Tahasil in Ganjam District Odisha
ToR Date	N/A
Name of the Consultant	N/A

I. Proposal in brief:

- (i) 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.
- (ii) This is a proposal for amendment of EC of Kalabada River Sand Bed-II over an area of 12.35 acres or 5.00 hectares Khata no.525, Plot no. 2395/B in village Kalabada under Chikiti Tahasil in Ganjam District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR169441 dated 18.07.2022 for Kalabada River Sand Bed-II over an area of 12.35 acres or 5.00 hectares Khata no.525, Plot no. 2395/B in village Kalabada under Chikiti Tahasil in Ganjam District Odisha.
- (iv) 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 38542.5 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-5001 cum.
- (v) The SEIAA also granted EC for 1st year production **5001 cum** with depth of mining 0.75 meter.
- (vi) 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 30th November 2023 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report and mentioned that **5000 cum** sand extracted in 1st year lease period.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Sri Amresh Rath with mentioned pre-monsoon RL 23.39 m and Post-monsoon RL is 23.08 m, quantity of sand replenished 17729 cum and proposed production 5000 cum as per mining plan.
- (ix) Any deficiencies/omission have been noticed in the above documents-Nil

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023




2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-
The PP may be permitted to extract 5001m³ as per the approved mining plan, since the total minable reserve available after 1st year including the replenished amount is 66426 m³.
The water course shall not be disturbed due to mining


Decision of Authority: Approved

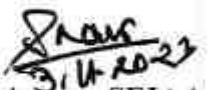
After detailed deliberation in the matter, the Authority decided to allow amendment in EC with the following specific condition:

- Maximum quantity of extraction of sand shall be **5001 cum** in the 2nd year as per SEAC recommendation. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency by 31st December 2024.
- The validity of EC for 2nd year is subjected to validity of DSR or validity of lease period, whichever is earlier.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.17

Proposal No.	SIA/OR/MIN/303268/2023
Date of application	21.08.2023
File no.	62071/590-MINB1/03-2022
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 Guitana Nagrigudari Kainjhara Sand Quarry over an area of 12.740 acres or 5.156 ha. at Village- Guitana, Nagrigudari, Kainjhara, Tahasil- Tikabal, Dist-Kandhamal
Name of the company/Organization	Sri Satyaban Kanhar
Location of Project	Village- Guitana, Nagrigudari, Kainjhara, Tahasil- Tikabal, Dist-Kandhamal
ToR Date	17.06.2021
Name of the Consultant	M/s. P & M Solution

1. Proposal in brief:


- (i) 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.
- (ii) This is a proposal for amendment of EC of Guitana Nagrigudari Kainjhara Sand Quarry over an area of 12.740 acres or 5.156 ha. at Village- Guitana, Nagrigudari, Kainjhara, Tahasil- Tikabal, Dist-Kandhamal.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC22B001OR188414 dated 30.06.2022 for Guitana Nagrigudari Kainjhara Sand Quarry over an area of 12.740 acres or 5.156 ha. at Village- Guitana, Nagrigudari, Kainjhara, Tahasil- Tikabal, Dist-Kandhamal.
- (iv) 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 14001 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-2100 cum.
- (v) The SEIAA also granted EC for 1st year production **2100 cum** with depth of mining 0.75 meter.
- (vi) 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 30th November 2022 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report and mentioned that **2100 cum** sand extracted in 1st year lease period.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by M/s. Eco Green Solution with mentioned pre-monsoon RL 557.80 m and Post-monsoon RL is 558.95 m, quantity of sand replenished 10734.1 cum and proposed production 2100 cum as per mining plan.
- (ix) 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 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following- The PP may be permitted to extract 2100m³ as per the approved mining plan.

Decision of Authority: Approved


After detailed deliberation in the matter, the Authority decided to allow amendment in EC with the following specific condition:

- Maximum quantity of extraction of sand shall be **2100 cum** in the 2nd year as per SEAC recommendation. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency by 31st December 2024.
- The validity of EC for 2nd year is subjected to validity of DSR or validity of lease period, whichever is earlier.



Member Secretary, SEIAA

APPROVED BY



Member, SEIAA



Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.18	
Proposal No.	SIA/OR/INFRA1/432830/2023
Date of application	19.08.2023
File no.	432830/01-INFRA1/08-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	7(e) Ports, Harbours projects
Name of the Project	Proposal for EC of Dept. of Fisheries (Fishery Engineering Division) for Construction of Stage-II Development of Fishing Harbour at Village- Nuagarh, Astaranga, Dist: Puri of Sri Alok Ranjan Patra - EC
Name of the company/Organization	FISHERY ENGINEERING DIVISION, BHUBANESWAR
Location of Project	Village- Nuagarh, Astaranga, Dist: Puri of Sri Alok Ranjan Patra - EC
ToR Date	28.07.2022
Name of the Consultant	M/s Ind Tech House Consult, Rohini, Delhi

Proposal in brief:

1. 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 of Dept. of Fisheries (Fishery Engineering Division) for Construction of Stage-II Development of Fishing Harbour at village- Nuagarh, Astaranga, Dist: Puri of Sri Alok Ranjan Patra.
 - ii. **Category:** The project falls under category "B" or activity 7(e) - Ports, Harbours projects under EIA Notification dated 14th September 2006 as amended from time to time.
 - iii. **Project details:** The Phase-I, project site has seen recurrence of natural calamities like floods and cyclones from the beginning of the construction. During August 1991, the river Devi was in floods caused severe damage to the jetty under construction. Later, the harbour suffered severe devastation due to the 1999 super cyclone. So the Department of Fisheries & Government of Odisha has decided to develop for stage-II. The proposed project is for Construction of Stage-II Development of Fishing Harbour at Village- Nuagarh, Astaranga, Puri, Odisha by Department of Fisheries, Odisha of Fishery Engineering Division, Bhubaneswar.
 - iv. **Demarcation of HTL/LTL:** As per the requirements of Coastal Regulation Zone (CRZ) Notification, 2011, project specific HTL/LTL demarcation has been done through approved agencies. The project falls under: C R Z I B (between LTL and HTL), CRZ III (NDZ) (between HTL and 200 m) and CRZ IV B (12 Nautical Miles into the sea from LTL)
 - v. The total land is under possession of Dept. Of Fishery, Govt. of Odisha. The area is devoid of any forest land & free from encroachments.
 - vi. The Terms of Reference (ToR) was issued vide File No. 4962/SEIAA on dated 28.07.2022 by SEIAA, Odisha.
 - vii. **Other statutory clearances:** The CTE was approved vide letter No. 11265, Dated 18.07.2023. The CRZ clearance was obtained vide letter No. 139/OCZMA, Dated 30.05.2023.
 - viii. **Public hearing details:** The Public Hearing was conducted on 15.03.2023 in the Ground Floor of Marine Police Station Building, Nuagarh, Astaranga, Puri. Issues raised during public hearing are employment, pucca road provision, peripheral development, environmental protection, financial help to the local fisherman, road repairing, protection of Olive ridley turtles etc. Budget incurred for action plan of public hearing is 1688.5 lakhs.

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



Location and Connectivity - Total land is 17.690 Acres is over Plot Nos. 863/3283, 852/3291, 860, 859, 849, 850, 858, 868/4110, 863/4111, 864/4112, 851/4113, 868/4114, of Nuagarh Village, Astaranga Tahasil of Puri District, Odisha. The geo co-ordinates are Latitude - 19°58'11.34"N- 19°58'30.75"N & Longitude - 86°20'15.32"E- 86°20'32.27"E and is a part of Survey of India Toposheet bearing No. E45C05. The Kissam of land is Nadi, Rasta & Gochar. The project area is well accessed by Road. Puri Railway Station is at 55.42 Km distance and Biju Patnaik International Airport is at 62.64 Km distance from the site. The nearest town is Astaranga. Nearest habitation is Nuagarh village at 2.15 km from the project area. Nearest wildlife sanctuary is Balukhand - Konark Wildlife Sanctuary at 32.6 Km. The nearest RF/PF are Sahan P.F at 1.94 Km, Bandar P.F at 3.45 Km, Nadiakhia P.F at 6 Km. Nearest Rivers are Devi River at 100 m, Chanrapada Nadi at 300 m, Barada Nadi at 3.20 km, Siju Nadi at 4 Km.

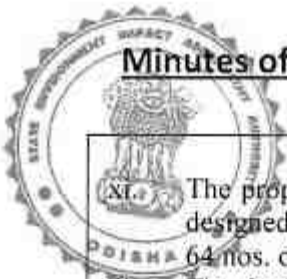
- x. **Facilities:** The different facilities to be developed and enhanced are Fish handling and auction hall; Fish loading area; Fishery administrative office; Fishermen gear sheds; Net mending sheds; Boat Repair Shop; Restaurant; Rest shed; Fish Merchants Dormitory; Public toilet blocks; Radio communication centre; Security/guardhouse; Compound wall; Approach Road; Internal roads; Parking area for vehicles; Fresh water supply and distribution system; Sea water supply and distribution system; Drainage/ Sewerage network; Effluent Treatment Plant; Electric power and lighting system; Ice plant and chilled storage; Public Amenities; Fire extinguishers; & Greeneries and landscaping.

Existing Facilities (Stage-I)

Sl. No.	Facilities	Size & magnitude
1	RCC Piled quay structure	202 m
2	Fish Auction Hall	Presently in Dilapidated condition
3	Overhead Water Tank	50 KL Capacity
4	Hutments	
5	Single Lane on metal road	

Proposed Facilities (Stage-II)

Sl. No.	Facilities	Size & magnitude
1.	RCC Piled quay structure	512 m
2.	Fish Auction Hall	2nos. one for MFVs 1750 sqm and other for FRB Boats 877 sqm.
3.	Fishery Administrative Office	1 no. of 181.64 sqm
4.	Fishing Gear Shed	4 nos. of each 161.3 sqm
5.	Net Mending shed	4 nos. of each 206.95 sqm
6.	Fisherman rest shed	2 nos. of each 213.5 sqm
7.	Boat repair shop/work shop	1 no. of 100.45 sqm
8.	Fish Merchants Dormitory	1 no. of 320.9 sqm
9.	Restaurant	1 no. of 127.7 sqm
10.	Public Toilet	3 blocks of 68.6 sqm.
11.	Double lane internal asphalt road	11,573 sqm
12.	Approach road to FH	650m
13.	RC Sloping hard for boat hauling	1,680 sqm
14.	Radio Communication Centre	79.2 sqm
15.	Area for civic amenities	988.44 sqm
16.	Area for fuel storage	286.26 sqm
17.	Parking	5380 sqm
18.	Ancillary fishing activities	4172.4 sqm
19.	Electrical sub station	586.46 sqm
20.	WBM surface for boat parking	21810 sqm
21.	Compound wall	735 sqm
22.	Security room/guard room	31.6 sqm with 19 m wide main gate
23.	Beach landing	235 sqm



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

- xi. The proposed Fishery Harbor is an existing harbor going for modernization and expansion & has been designed to accommodate 1960 mechanized fishing vessel comprising 1628 nos. of 9 m motorized craft, 64 nos. of 12 m trawlers and 268 nos. of 15 m trawlers.
- xii. The detailed CRZ mapping has been done by IRS, Anna University, Chennai, an authorized agency of MoEF&CC.
- xiii. **Some of the salient features of the project are:**
- Shallow well / water harvesting structures as well as dedicated water supply by RWSS department will be made to facilitate fresh water supply.
 - Pumped river water will be utilized for cleaning purpose.
 - Provision has been made for Electric Power Supply general lightening and 500 KVA, 11/0.40 KV electric sub-station inside the Harbour Complex.
 - Independent Sub-station will be installed to provide 120 KW power Supply round the clock from TPCODL.
 - About 60 unit / per day load will be required for operation / illumination of Harbour Complex.
 - For emergency situation, power would be supplied through stand by D.G. set.
 - The project would give employment to 7,668 sea-going fishermen in 1,960 MFVs and about 7,000 persons in shore-based establishments, distribution and marketing of fish and crustacean products.
 - Adequate STP facility will be provided within the harbor premises.
 - Liquid waste generated from the washing of the catch material shall be processed in ETP and reused in the process after disinfection.
 - The street lighting shall be done using solar power.
 - The Operation and Management will be made by Management Society, Astaranga Fishing Harbor, constituted of local Fishermen, Stake Holders, Exporters, SP, Elected Representatives and Department Officials headed by Collector & DM, Puri.
- xiv. **Baseline study:** The primary Environmental and Marine baseline data monitored near project site and study area of 10 km radius covering three (3) months i.e., from Dec 2021 to January 2022.
- a) **Ambient air quality:** Ambient Air Quality Monitoring reveals that the concentrations of PM₁₀ and PM_{2.5} found between 43.20 to 58.1 µg/m³ and 22.5 to 28.9 µg/m³ respectively. The high value of Particulate pollutant was observed at plant site which can be attributed to industrial activities and vehicular movement. The concentrations of SO₂ and NO_x were found to be in range of 6.0 to 9.10 µg/m³ and 10.40 to 16.5 µg/m³ respectively.
 - b) **Ground water quality:** pH varies from to 6.54 to 8.2. Total Hardness varies from 89.44 to 114.40 mg/L. Total Dissolved Solids varies from 308 to 402 mg/L.
 - c) **Surface water quality:** pH varies from to 7.18 to 8.20. Total Hardness varies from 329 to 464.1mg/L. Total Dissolved Solids varies from 396 to 882 mg/L.
 - d) **Noise quality:** The day Noise levels have been monitored during 6 am to 10 pm and the night levels during 10 pm to 6 am. Ambient noise levels were compared with the Noise Pollution (Regulation & Control) Rules, 2000. The Leq values at this location for day and night time was observed to be varied between 47.3-55.4 and 32.0-43.5 dB(A)

Period	December - 2021 to February -2022
AAQ Parameters at 8 Locations	PM _{2.5} = 22.5 to 28.9 µg/m ³ PM ₁₀ = 43.2 to 58.1 µg/m ³ SO ₂ = 6.0 to 9.1 µg/m ³ NO _x = 10.4 to 16.5 µg/m ³
Ground water quality at 8 locations	pH: 6.54 to 8.2, Total Hardness: 89.4 to 114.4 mg/l, TDS: 308 to 402 mg/l, Chlorides: 109.96 to 208.4 mg/l.
Surface water quality at 9 locations	pH: 7.18 to 8.2, Total Hardness: 329 to 464.1 mg/l, TDS: 396 to 882 mg/l, Chlorides: 129.69 to 289.84 mg/l, BOD: 2-28 mg/l, COD: 8-104 mg/l, DO: 4.7 to 6.1 mg/l.

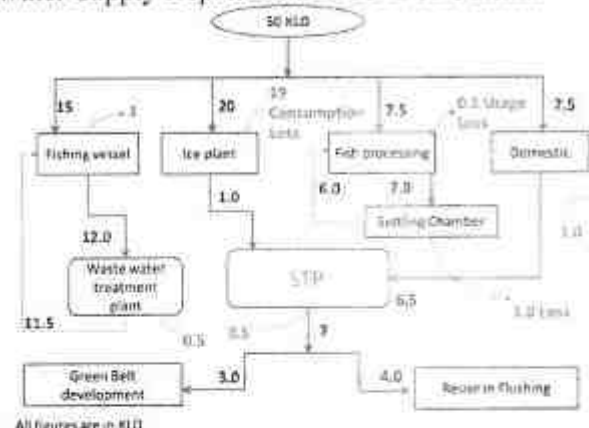


Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

Noise levels at 8 locations 47.3 to 55.4 dB(A) for the daytime and 30.4 to 43.5 dB(A) For the Night time.

Land Requirement: The proposed Fishing Harbour project will be established over the acquired land of 40.39 Ac. (Land area-17.39 Ac.+Inside water-23 Ac.) (Kisam- Nadi, Rasta & Gochar) on the Right Bank of river Devi.

xvi. **Water Requirement:** The total water requirements for the project are 50KLD.The water requirement will be met from Rural Water Supply Department of Govt. of Odisha.



xvii. **Power and Fuel requirement:** The fishery harbour during peak fishing season is expected to be operative round the clock, fish landing, outfitting, idle-berthing, and repair quays need to be well lit for easy access by the fishermen and fishing boats. Walkways and approaches to the fish landing, outfitting, idle-berthing, and repair quays need to be lighted for safety and security reasons. A lump sum provision is made in the estimate for electrical substation, high mast lighting and street lighting within the harbour complex. A plot of land of area 586.5 m² is proposed for installing electrical sub-station near the main entrance. A total of 120KW power consumption will require for this project.

S.N.	TYPE	QUANTITY	SOURCE	MODE
1	Water Requirement	50 KLD	Rural Water Supply Department of Govt of Odisha	Pipeline
2	Power /Energy	120 MW	Independent 11 Kv. Sub-station	Local Grid

xviii. **Solid Waste Generation & Management -** The proposed project is a purely one-time Civil construction activity that is not likely to generate any form of solid / other waste what so ever. Even the left-over trash fish, fetches a fairly high market value / price as a supplement to animal feed for various indigenous aquaculture farm around living no organic solid waste. The in-organic solid waste from the day-to-day activities (MSW) shall be stored in a covered container isolated from the operational area and shall be transported to a designated MSW Processing yard.

Solid & Hazardous Waste Generation & Management

S. N.	Name of Waste	Category	Quantity	Mode of Treatment & Disposal Method
i)	Used Oil/Spent Oil	5.1	1 KL/Year	Collected by oil blize, storage, transportation and disposal by selling to registered refiners.
ii)	STP Sludge	NH	1.5 TPA	Shall be treated in Vermi Composting pits and reused in Greenbelt Development.
iii)	ETP Sludge	33.5	6.2 TPA	Stored in separate drums and handed over to TSDF handling vendor.
iv)	Solid Waste	NH	5000 TPA	Supply as animal feed to various indigenous poultry farm.

xix. **Liquid Waste Generation & Management -** The proposed project is not having processing unit and it is only a transit hub from harvest to dispose after fish paving a meager amount of waste water will be generated from the project. Besides for cleaning of the harbor, also 30KLD of waste water will be generated from the project, which will be treated in 30 KL Capacity ETP followed by settling tank and

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

recycled in the process. Approx. 10 KLD of domestic sewage shall be treated in modular STP of capacity 10 KLD and the treated water shall be used for greenbelt development.

Greenbelt development: The proposed Harbour land is govt. Revenue land and it is classified as Nadi, Rasta & Gochar, so only a few avenue plantation will be done on the village side.

xxi. **Manpower requirement:** Total manpower requirement for the proposed development of fishing harbour during construction phase estimated to be about around 200 nos. and during operational phase 30 - 40 nos. including both skilled and unskilled labourers.

xxii. **Project cost:** The total project cost for the proposed project is 82.86 Crores which has obtained administrative approval from the Govt. of India under PMMSY Scheme during March 2022. The EMP capital cost Rs.1858.5 lakhs and recurring cost is Rs. 626.5 lakhs.

Sl. No.	Environmental Management Plan	Capital Cost (₹ in Lakhs)	Recurring Cost (₹ in Lakhs)
i)	Sewage Treatment Plant	50	3
ii)	Greenbelt Development	75	5
iii)	Stormwater Drains	35	2
iv)	Solid Waste Management	5	1
v)	Fish Waste Management	5	0.5
vi)	Public Hearing Compliances	1688.5	615
	Total	1858.5	626.5

xiii. **Environment consultant:** The Environment consultant M/s Ind Tech House Consult, Rohini, Delhi along with the proponent has made a presentation on the proposal before the Committee.

xiv. Any deficiencies/omission have been noticed in the above documents- Nil.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **01.09.2023** and the SEAC recommended for grant of Environmental Clearance for the project valid upto 10 years with stipulated conditions as per **Annexure – A** and following specific conditions:

- As per the State Government rules, a seven-month-long ban on fishing activities during the period from 1st November to 31st May to facilitate Olive Ridley turtle nesting. So, the project proponent shall ensure that there will be no activity within that period and area should be earmarked as restricted zone (as applicable) in consultation with DFO.
- The proponent shall carry out monthly harbour monitoring to assess the water quality of the region. Harbour water quality assessment should include parameters like, total coliforms, phytoplankton, parameters for heavy algal bloom, oil and grease as well as other organic and microbial pollutants.
- The proponent shall prepare Risk Management Plan and Evacuation plan for any probable natural calamities like cyclones, floods, lightning strikes etc. since berthing activities are involved in the project.
- Navigation guidelines for the movement of Trawlers shall be kept in place.
- The project proponent should organise awareness programmes for the fishermen, so that they can avail the facilities available under Environment Management Plan of this project

Decision Of Authority: ADS

The authority perused the comments the SEAC recommending specific condition for the project along with the conditions in the CRZ clearance and the waste management issues (solid and liquid waste) relating to the project. After detailed deliberation in the matter, the authority decided that the PP is required to submit issue specific action plan(s) with budget and timeline to address the followings.

- As per the State Government rules, a seven-month-long ban on fishing activities during the period from 1st November to 31st May to facilitate Olive Ridley turtle nesting. The project proponent shall ensure that there will be no activity within that period and area should be earmarked as restricted zone (as applicable). For this purpose an Action Plan should be prepared in consultation with DFO.

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



2. The proponent shall carry out monthly harbour monitoring to assess the water quality of the region. Harbour water quality assessment should include parameters like, total coliforms, phytoplankton, parameters for heavy algal bloom, oil and grease as well as other organic and microbial pollutants.
3. The proponent shall prepare Risk Management Plan and Evacuation plan for any probable natural calamities like cyclones, floods, lightning strikes etc. since berthing activities are involved in the project.
4. Navigation guidelines for the movement of Trawlers shall be kept in place.
5. The project proponent should organise awareness programmes for the fishermen, so that they can avail the facilities available under Environment Management Plan of this project.
6. Putrefied and discarded parts of fishes should be removed from the fish landing centre and converted into organic fertilizer.
7. The waste material and effluents from the project should not be discharge into water environment or any part of the eco-sensitive area.
8. The dredging material from the project should not be dumped in any part of the eco-sensitive area.
9. Adequate safeguard measures should be provided to deal with oil spill and water pollution by the boats, vessels etc.
10. It must be ensured that plastic containers and polythene bags should not be disposed to the coastal water.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



AGENDA NO.141.19

Proposal No.	SIA/OR/MIN/406591/2022
Date of application	07.09.2023
File no.	406591/833-MINBI/09-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Kharida River Sand Bed over an area of 13.00 acres or 5.261 hectares bearing Khata no. 554, Plot no. 4553/1 & 4532/1 in village Kharida, Tahasil Hinjilicut, District Ganjam, State Odisha.
Name of the company/Organization	Sri Kiran Kumar Panda
Location of Project	village Kharida, Tahasil Hinjilicut, District Ganjam, State Odisha
ToR Date	27.12.2021
Name of the Consultant	Cognizance Research India Pvt. Ltd.

Proposal in brief:

3. 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 mining of sand from Kharida River Sand Bed over an area of 13.00 acres or 5.261 hectares bearing Khata no. 554, Plot no. 4553/1 & 4532/1 in village Kharida, Tahasil Hinjilicut, District Ganjam, State Odisha.
- ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
- iii) The mining area is a part of Survey of India Toposheet No. E4510, E45A11, E45A14 & E45A15 and is bounded between the Latitude -19° 28' 48.79" N to 19° 30' 00.70" N and Longitude - 84° 46' 35.82" E to 84° 46' 43.72" bearing khata no. Khata no. 554, Plot no. 4553/1 & 4532/1, Kissam-Nadi
- iv) The mining lease is an identified sairat source in the DSR. The Kharida River Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Hinjilicut to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- v) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- vi) Whether submitted KML file of the lease area-Yes
- vii) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide E-Challan Ref No. 311B703695 dt. 13.09.2021
- viii) Distance from nearest sanctuary/ESZ- Lakahari Valley WLS-40.0 Km
- ix) Whether the lease area coming in DLC report-No, N/A
- x) Whether the lease area reflecting in DSR-Yes
- xi) Method of mining-Manual
- xii) River-Rusikulya. Depth of Sand deposition-1.5 meter
- xiii) Distance from nearest road bridge-2.60 km, village road -1.30 km
- xiv) Whether it is part of cluster -No
- xv) Whether EC obtained earlier-Yes from SEIAA, Odisha vide letter no. 202/SEIAA dt. 14.01.2016 and submitted EC compliance

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



- xvi) Date of approval of mining plan- the Deputy Director Geology, South Zone, Berhampur on 06.10.2020.
- xvii) Production capacity per annum-15501 cum/annum (max.), total production in 5 years period-77505 cum, Geological reserve-48729 cum and Mineable reserve-41779 cum and proposed depth of mining-1.5 m from river-Rusikulya.
- xviii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- xix) **TOR details:** The Terms of Reference (TOR) letter was issued by SEIAA, Odisha vide letter No.3683/SEIAA Dated 27.12.2021.
- xx) **Public hearing details:** Public Hearing was conducted on 09/09/ 2022 at Debastali, Shri Maa Kureisuni Thakurani Hata (Over Plot No.4728 in Khata No. 555) in Village Kharida under Hinjilicut Tahasil of Ganjam district. Issues raised during public hearing are environmental protection, covering of loaded transporting vehicles, local employment, local development and development of temple.
- xxi) **Replenishment study details:** The Replenishment study was done during Pre- and Post-Monsoon Period (May 2022 & November 2022) by Physical Method Survey which was conducted with the help of Total Station Survey Instrument and two numbers of GPS (GARMIN eTrex 10) hand held GPS. After the Replenishment study it was found that 27,853 cum of sand have been proposed to be replenished annually.
- xxii) **Project cost:** Estimated Project Cost is 55.90 lakh while EMP Cost is Rs 9,47,500

S. No	Activity	Amount
i)	Doctors Visit	500*18*2= 18,000
ii)	Medicine Budget	500*18*2= 18,000
iii)	Quarterly pulmonary function test	600*4*18= 43,200
iv)	Extra Budget for medical test if required as per doctor's recommendation	60,000
Total		1,39,200/-

Table: Budget for environmental protection

Activities to be done		Amount
Haulage Road Repair & Maintenance	900 m (L) x 5 m (W)	1,00,000 (P.A)
<ul style="list-style-type: none"> • Filling, Leveling and widening of the road up to width of 5m and length of 900 m. • Setting & Fixing of Cut Stone on the leveled road. 		
Water Sprinkling on Haulage Road for Dust Suppression	Assuming Rs.1200/day for 260 days of working Tanker Cost: Rs. 600/Tanker Tanker Capacity: 4500 liter, No. of Tankers required: 2	3,12,000 (P.A)
Plantation along the road side & post plantation care	Plantation@100/sapling (50 sapling/Year) Post plantation care @500/day Note: Annual cost will increase with increase in no. of sapling.	5000 (P.A) 1,30,000 (P.A)



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

Environmental Compliances.	Monitoring &	➤ Half Yearly Monitoring of Environmental Parameters viz. Air, water, Noise & Soil.	4,00,000 (P.A)
		➤ Half Yearly Submission of Compliances.	
➤ TOTAL			9,47,000


xxiii) Any deficiencies/omission have been noticed in the above documents- Nil.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **22.09.2023** and the SEAC decided to return the proposal to SEIAA for the following from the proponent.
- Replenishment study report of the proposed project is not accepted. Details of GCPs not given. Basis of P1 to P11 points is not there in the study report. Cross-sectional depiction of deposition and erosion for each section in pre and post monsoon season, supported by relevant field study data and plan, not given. The proponent shall redo the replenishment study report from authorized agency for further consideration of the proposal.
 - RL of the mining area and groundwater table in rainy season should be furnished.

Decision Of Authority: ADS

The authority perused the recommendation of SEAC and decided that the PP is required to submit the following documents / explanation:

- Replenishment study report of the proposed project is not accepted. Details of GCPs not given. Basis of P1 to P11 points is not there in the study report. Cross-sectional depiction of deposition and erosion for each section in pre and post monsoon season, supported by relevant field study data and plan, not given. The proponent shall redo the replenishment study report from authorized agency for further consideration of the proposal.
- RL of the mining area and groundwater table in rainy season should be furnished.
- The proposed lease area contained a confluence point of Ghodahada River and Rusikulya River. The PP is required to submit an action plan for protection of river channel in the confluence point


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


3.11.2023
Chairman, SEIAA



AGENDA NO.141.20

Proposal No.	SIA/OR/MIN/296354/2023
Date of application	24.01.2023
File no.	SEIAA-995/12-2020SEIAA-995/12-2020
Project Type	Proposal for Amendment of EC for 2 nd year production as per replenishment study report.
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Kainthora Sand Bed (River-Sunai) over an area of 6.75 acres or 2.73 hectares in village Kainthora under Udala Tahasil in Mayurbhanj District, Odisha
Name of the company/Organization	Sri Santosh Kumar Sahu S/o-Late Ratha Sahu At-Udala, Unit No.-06 Po/Ps-Udala. Dist-Mayurbhanj
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

1. 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 Kainthora Sand Bed over an area of 6.75 acres or 2.73 hectares in village Kainthora under Udala Tahasil in Mayurbhanj District, Odisha.
 - (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 585/SEIAA dated 09.03.2021 and Transfer of EC vide letter no.3982/SEIAA dated 07.02.2022 Kainthora Sand Bed over an area of 6.75 acres or 2.73 hectares in village Kainthora under Udala Tahasil in Mayurbhanj 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 19313 cum with depth of sand deposition was 1.2 meter and proposed for annual extraction-19000 cum.
 - (iv) The SEIAA also granted EC for 1st year production 19000 cum with 1.2meter depth of mining.
 - (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 production achieved during period 2021-22 is **2250 cum**.
 - (vii) The PP has submitted replenishment study report by Sri Ameresh Samantaray, ORSAC empanel agency M/s. Geoid Resource Pvt. Ltd. with mentioned that the extractable sand available during pre-monsoon is 1360.32 cum and after post-monsoon is 1417.45 cum within the workable area is **1343.97 sqm**. However, the volume of sand available after post-monsoon is around **1417.45 cum**.
 - (viii) The PP has mentioned that 3229.75 cum of sand replenished in the minable area is 1.638 ha and proposed production for next year is 3229.75 cum.

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



Any deficiencies/omission have been noticed in the above documents- Nil


2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 20.02.2023 and the SEAC recommended the following:

- a) The Environmental Clearance has been approved for 1st year is of higher capacity i.e. **19000 cum/annum**. Now they have applied for modification of EC along with the replenishment study report and applied for less i.e. 1417.45 cum capacity than the approved capacity The SEIAA, Odisha may decide the quantity to be allowed based on quantity replenished as per replenishment study subject to outcome of subsequent replenishment studies.
3. The Proposal was placed in 112th SEIAA meeting held on 27.03.2023 & 29.03.2023 and the Authority observed that the project proponent (PP) has not mentioned the quantity of sand to be extracted from the lease for the next year in the report. After details deliberation, the Authority decided that the PP required to submit the proposed annual quantity of sand as per replenishment study report.
4. Now, the PP has submitted their report and requested to allow 3229.75 cum of sand for next as per ARRS.

Decision of Authority: Approved

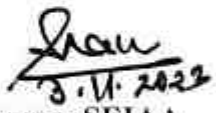
The authority perused the recommendation of SEAC and the revised ARRS submitted by PP. After detailed deliberation in the matter the Authority decided to grant amendment in EC with the following specific conditions as follows:

- Maximum quantity of extraction of sand shall be limited to **3200 cum** per year for the remaining lease period of 5 years as per SEAC recommendation. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency each year till the lease period.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.21

Proposal No.	SIA/OR/MIN/432582/2023
Date of application	12.08.2023
File no.	432582/965-MINB2/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Tentulia Sand Bed over an area of 11.605 acres or 4.696 hectares bearing Khata no. 344, Plot no: 2043 in Mouza Tentulia, Tahasil Jagannathprasad, District Ganjam, State Odisha.
Name of the company/Organization	Sri Jagannath Kanhar
Location of Project	Mouza Tentulia, Tahasil Jagannathprasad , District Ganjam, State Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

1. 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 of EC for extraction of sand from Tentulia Sand Bed over an area of 11.605 acres or 4.696 hectares bearing Khata no. 344, Plot no: 2043 in Mouza Tentulia, Tahasil Jagannathprasad , District Ganjam, State Odisha.
 - ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
 - iii) The mining area is a part of Survey of India Toposheet No. E45A9(74A/9) and is bounded between the Latitude -19° 53' 49.48" N to 19° 53' 58.58" N and Longitude – 84° 42'29.82" E to 84° 42'46.16" bearing khata no. Khata no. 344, Plot no: 2043, Kissam-Nadi
 - iv) The mining lease is an identified sairat source in the DSR. The Tentulia Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - v) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - vi) Whether submitted KML file of the lease area-Yes
 - vii) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide E-Challan Ref No. 35B1467ACD dt. 07.06.2023
 - viii) Distance from nearest sanctuary/ESZ- Lakahari Valley WLS-61.0 Km
 - ix) Whether the lease area coming in DLC report-No, N/A
 - x) Whether the lease area reflecting in DSR-Yes
 - xi) Method of mining-Manual
 - xii) River-Burha, Depth of Sand deposition-0.6 meter
 - xiii) Distance from nearest road bridge-0.40 km, village road -0.25 km
 - xiv) Whether it is part of cluster –No
 - xv) Whether EC obtained earlier-Yes from SEIAA, Odisha vide letter no. 3823/SEIAA dt. 28.11.2017 and submitted EC compliance



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

- xvi) Date of approval of mining plan- the Joint Director Geology, South Zone, Berhampur on vide letter no. 50/23/406/EZ, Berhampur dt. 12.04.2023.
- xvii) Production capacity per annum-2501 cum/annum (max.), total production in 5 years period-12505 cum, Geological reserve-14344 cum and Mineable reserve-10350 cum and proposed depth of mining-0.145 m from river- Burha.
- xviii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- xix) EMP cost is Rs. 1.30 Lakh/annum
- xx) Any deficiencies/omission have been noticed in the above documents-**Nil**.

3. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 7th, 8th, 11th **September 2023** and the SEAC observed that in the map of mining plan the mining is proposed in the convex side of the river which in all circumstances be should be limited to concave depositing side. In order to protect the river ecology from the sand mining impacts, the SEAC **decided to reject the proposal** from environment sensitive point of view, because if the sand mining is permitted for the proposed lease area, it will lead to more floods in that region.

Decision Of Authority: Rejected

The authority accepted the recommendation of SEAC for rejecting the proposal with the following observations:-

- In the map of mining plan. the mining is proposed in the convex side of the river which in all circumstances should be limited to concave depositing side. In order to protect the river ecology from the sand mining impacts from environment sensitive point of view, because if the sand mining is permitted for the proposed lease area, it will lead to more floods in that region.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA



AGENDA NO.141.22	
Proposal No.	SIA/OR/MIN/246022/2021
Date of application	03.08.2023
File no.	246022/962-MINB2/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Karanda Black Stone Quarry-7 over an area of 2.70 acres or 1.092 hectares bearing Plot No- 1643 & 1717 Khata No- 838 in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
Name of the company/Organization	Tahasildar, Hindol, Dhenkanal
Location of Project	Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

- I. 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 of EC for extraction of stone from Karanda Black Stone Quarry-7 over an area of 2.70 acres or 1.092 hectares bearing Plot No- 1643 & 1717 Khata No- 838, Kissam-Patherbani in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
 - ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
 - iii) The mining area is a part of Survey of India Toposheet No. F45T6 and is bounded between the Latitude -20° 43' 30.96" N to 20° 43' 37.98" N and Longitude – 85° 21'48.47" E to 85° 21'55.41" bearing khata no. Khata no. Plot No- 1643 & 1717 Khata No- 838, Kissam-Patharbani.
 - iv) The mining lease is an identified sairat source in the DSR. The Karanda Black Stone Quarr-7 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - v) Documents submitted: -Form-1, D.L.C., PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - vi) Whether submitted KML file of the lease area-Yes
 - vii) Whether submitted scrutiny fee-No as Tahasildar is the applicant.
 - viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-37.0 Km
 - ix) Whether the lease area coming in DLC report-No, as clarified by Tahasildar, Hindol on dt. 03.12.2021
 - x) Whether the lease area reflecting in DSR-Yes
 - xi) Method of mining-Semi-mechanized and blasting will be involved.
 - xii) Distance from nearest road bridge-7.0 km, Odapada-Satmile road -1.2 km
 - xiii) Whether it is part of cluster –Yes, two mines are coming in single cluster of total cluster is 4.471 Ha and submitted cluster EMP.
 - xiv) Whether EC obtained earlier-No
 - xv) Date of approval of mining plan- the Joint Director Geology, Zonal Survey, Dhenkanal on 19.07.2021.

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



- xvi) Production capacity per annum-6010 cum/annum (max.), total production in 5 years period-12505 cum, Geological reserve-61911 cum and Mineable reserve-40041 cum and proposed depth of mining-5 m.
- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- xviii) EMP cost is Rs. 3.0 Lakh/annum
- xix) Any deficiencies/omission have been noticed in the above documents-**Nil**.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **7th, 8th, 11th September 2023** and the SEAC The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- a) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee
 - b) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - c) Plantation programme to be completed within first two years and to be maintained in remaining years.
 - d) Depth of Mining as proposed should not be beyond 6m from the ground level.
 - e) Mitigation measures for flying Rock for safety be put in place.
 - f) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - g) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - h) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - i) Air quality monitoring shall be carried out thrice in a year. (season-wise).
 - j) **From the KML file it is observed that a patch of water body (small pond) is there, if it is a permanent one, the PP needs to take up mining leaving this area which may be kept undisturbed.**

Decision Of Authority: ADS

The authority observed that there are 8 nos. of mines adjacent to Karanda village, 4 nos. of which are closed and 4 nos. are proposed for mining. After detailed deliberation in the matter, the authority decided that the DFO, Dhenkanal is required to examine whether this area comes under designated elephant corridor or whether any steps are required from wildlife conservation point.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


Chairman, SEIAA
3.11.2023



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.23

Proposal No.	SIA/OR/MIN/245876/2021
Date of application	03.08.2023
File no.	245876/961-MINB2/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Karanda Black Stone Quarry-4 over an area of 8.35 acres or 3.379 hectares bearing Plot No- 1815 Khata No- 838 in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
Name of the company/Organization	Tahasildar, Hindol, Dhenkanal
Location of Project	Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha
ToR Date	SIA/OR/MIN/246022/2021
Name of the Consultant	03.08.2023

Proposal in brief:

1. 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 of EC for extraction of stone from Karanda Black Stone Quarry-4 over an area of 8.34 acres or 3.379 hectares bearing Plot No- 1815 Khata No- 838 in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
 - ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
 - iii) The mining area is a part of Survey of India Toposheet No. F45T6 and is bounded between the Latitude -20° 43' 33.43" N to 20° 43' 43.31" N and Longitude – 85° 21'52.52" E to 85° 21'58.84" bearing Khata no. No- 838, Plot No.1815, Kissam-Patharbani.
 - iv) The mining lease is an identified sairat source in the DSR. The Karanda Black Stone Quarr-4 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - v) Documents submitted: -Form-1, D.L.C., PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - vi) Whether submitted KML file of the lease area-Yes
 - vii) Whether submitted scrutiny fee-No as Tahasildar is the applicant.
 - viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-37.0 Km
 - ix) Whether the lease area coming in DLC report-No, as clarified by Tahasildar, Hindol on dt. 03.12.2021
 - x) Whether the lease area reflecting in DSR-Yes
 - xi) Method of mining-Semi-mechanized and blasting will be involved.
 - xii) Distance from nearest road bridge-7.0 km, Odapada-Satmile road -1.2 km
 - xiii) Whether it is part of cluster –Yes, two mines are coming in single cluster of total cluster is 4.471 Ha and submitted cluster EMP.
 - xiv) Whether EC obtained earlier-No
 - xv) Date of approval of mining plan- the Joint Director Geology, Zonal Survey, Dhenkanal on 19.07.2021.



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

- xvi) Production capacity per annum-7038 cum/annum (max.), total production in 5 years period-35190 cum, Geological reserve-334080 cum and Mineable reserve-254592 cum and proposed depth of mining-5 m.
- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- xviii) EMP cost is Rs. 3.0 Lakh/annum
- xix) Any deficiencies/omission have been noticed in the above documents- Nil.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 7th, 8th, 11th **September 2023** and the SEAC The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - Depth of Mining as proposed should not be beyond 6m from the ground level.
 - Mitigation measures for flying Rock for safety be put in place.
 - Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - Air quality monitoring shall be carried out thrice in a year. (season-wise).
 - SOP for blasting and lay out map for garland drain and silt management should be maintained by PP.**

Decision Of Authority: ADS

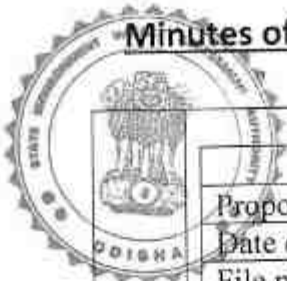
The authority observed that there are 8 nos. of mines adjacent to Karanda village, 4 nos. of which are closed and 4 nos. are proposed for mining. After detailed deliberation in the matter, the authority decided that the DFO, Dhenkanal is requested to examine whether this area comes under designated elephant corridor or whether any steps are required for wildlife conservation issues.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


Chairman, SEIAA



AGENDA NO.141.24	
Proposal No.	SIA/OR/MIN/437866/2023
Date of application	24.07.2023
File no.	437866/824-MINB1/07-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Balia River Sand Bed over an area of 11.605 acres or 5.20 hectares bearing Khata No. 1054 & 786, Plot No. 2605 & 01, in village Balia and Aladigaon, Tehsil Purushottampur, District Ganjam, Odisha.
Name of the company/Organization	Sri Sarat Behera
Location of Project	village Balia and Aladigaon, Tehsil Purushottampur, District Ganjam, Odisha.
ToR Date	29.07.2022
Name of the Consultant	M/s. P & M Solution

Proposal in brief:

1. 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 of EC for extraction of sand from Balia River Sand Bed over an area of 11.605 acres or 5.20 hectares bearing Khata No. 1054 & 786, Plot No. 2605 & 01, in village Balia and Aladigaon, Tehsil Purushottampur, District Ganjam, Odisha.
 - ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
 - iii) The mining area is a part of Survey of India Toposheet No. 65N/13, 65M/16 and is bounded between the Latitude -19° 29' 59.75" N to 19° 30' 05.48" N and Longitude - 84° 56'34.70" E to 84° 56'45.08" for Block-A and Latitude -19° 29' 33.40" N to 19° 29' 40.03" N and Longitude - 84° 57'04.10" E to 84° 57'07.13" for Block-B bearing Khata no. 344, Plot no: 2043, Kissam-Nadi
 - iv) The mining lease is an identified sairat source in the DSR. The Balia River Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Purushottampur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - v) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - vi) Whether submitted KML file of the lease area-Yes
 - vii) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide E-Challan Ref No. 3357C9A434 dt. 16.05.2022
 - viii) Distance from nearest sanctuary/ESZ- Nalbana Bird WLS-42.5 Km
 - ix) Whether the lease area coming in DLC report-No, N/A
 - x) Whether the lease area reflecting in DSR-Yes
 - xi) Method of mining-Manual
 - xii) River-Rushikulya, Depth of Sand deposition-2.0 meter
 - xiii) Distance from nearest road bridge-1.10 km, village road -0.50 km
 - xiv) Whether it is part of cluster -No
 - xv) Whether EC obtained earlier-Yes from SEIAA, Odisha vide letter no. 627/SEIAA dt. 30.01.2016 and submitted EC compliance

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



- xvi) Date of approval of mining plan- the Deputy Director Geology, South Zone, Berhampur on 25.02.2022.
- xvii) Production capacity per annum-20000 cum/annum (max.), total production in 5 years period-100000 cum, Geological reserve-69154 cum and Mineable reserve-60000 cum and proposed depth of mining-2.0 m from river- Rushikulya.
- xviii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- xix) ToR was issued by SEIAA, Odisha vide letter no. 4980/SEIAA dt. 29.07.2022
- xx) Public Hearing was conducted on 07.12.2022 at 11:00 AM, over the Govt. Land in Khata No. 817/74, Plot No. 2721 & 2682 of Mouza- Balia, under Purushottampur Tahasil of Ganjam District.
- xxi) The PP has submitted replenishment study report through M/s. P & M Solution NABET Consultant and mentioned that pre-monsoon RL 12.39 M and Post-Monsoon RL 12.99m accordingly, quantity of material replenished 13500 cum in Block-A only and proposed production is 9500 cum
- xxii) EMP cost is Rs. 1.69 Lakh/annum(Capital Cost) & Rs. 4.45 Lakh(Recurring Cost) along with CER cost Rs. 1.0 Lakh/annum and Budget provision for Occupation Health of Rs. 2.24 Lakh/annum.
- xxiii) Any deficiencies/omission have been noticed in the above documents-**Nil**.
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **29.08.2023** and the SEAC observed that as per KML file submitted for the proposal, the lease area is on the concave side of the river / erosion prone side of the riverbank. The transportation route for sand suggested by project proponent covers major part of the river bed which is also not feasible. Hence SEAC decided to reject the proposal due to environment sensitive point of view, because if the sand mining is permitted for the proposed lease area, it will lead to more floods in that region.

Decision Of Authority: Rejected

The authority accepted the recommendation of SEAC for rejecting the proposal with the following observations:-

- As per KML file submitted for the proposal, the lease area is on the concave side of the river / erosion prone side of the riverbank. The transportation route for sand suggested by project proponent covers major part of the river bed which is also not feasible. Due to environment sensitive point of view, if the sand mining is permitted for the proposed lease area, it will lead to more floods in that region.


Member Secretary, SEIAA

APPROVED BY

Member SEIAA


3.11.2023
Chairman, SEIAA



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.25

Proposal No.	SIA/OR/INFRA2/408006/2022
Date of application	03.12.2022
File no.	408006/17-INFRA2-V/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for EC of Construction of B+S / G+8 residential apartments" By Orissa State Housing Board, Bhubaneswar over an built-up area 45614.04 sq.m located at Dumduma (PH – VII), Bhubaneswar of Sri Narayan Majhi Violation EC
Name of the company/Organization	Sri Narayan Majhi Odisha State Housing Board
Location of Project	Plot No. A/32, Unit-III, Kharvela Nagar, Bhubaneswar
ToR Date	N/A
Name of the Consultant	M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar

Proposal in brief:

1. 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 of Construction B+S / G+8 residential apartments" By Orissa State Housing Board, Bhubaneswar over an built-up area 45614.04 sq.m located at Dumduma (PH – VII), Bhubaneswar of Sri Narayan Majhi.
- ii) **Category:** This project falls under Category "B", Project or Activity 8(a) Building and Construction projects as per EIA Notification dated 14th Sep. 2006 as its amendments.
- iii) **Violation justification:** As the built-up area is now greater than 20,000 Sq.m, Environment clearance is required for the project as per EIA Notification, 14th September 2006, and subsequent amendments. As the construction of the project has been completed, the project is coming under violation to EIA Notification 2006. Violation ToR was issued for EIA Study by the SEIAA, Odisha vide file no. SIA/OR/MIS/70722/2021, vide letter no. 4183/SEIAA dated 03.03.2022.
- iv) The site is coming under Bhubaneswar Development Authority and is approved by BDA vide letter no. 8906 dated 16/11/2015 & implemented by OSHB.
- v) **Location and connectivity:** The proposed project is located Plot No. 1124, 1125 under Khata No. 519 & 517, Mouza – Dumduma, Bhubaneswar, Odisha, Land KISSAM – Gharabari in Survey of India Toposheet No. 73 H/16. Total built up area 45614.04 sq. m, and plot area of 15584.39 Sq. m. The site co-ordinates of the project site are:- Latitudes 20°14'25.16"N to 20°14'29.14"N and Longitudes 85°47'03.81"E to 85°47'07.90"E. The nearest roads are NH- 5 which is at 1.2 km and Khandagiri Marg is 0.7 Km. The nearest Airport is at Bhubaneswar which is at 2.6 km.
- vi) The total plot area is 15584.39 sq.m/ 3.851 Ac./ 1.56 Ha. with total built-up area of 45614.04 sq.mt.
- vii) **Building details:**

Particulars	Proposed Group Housing Project
Project area (Sq.m)	15584.39 sq.m.
Maximum numbers of floors	B+S/G+8
No. of dwelling units	EWS flats G/S+4 in 5 blocks (276), LIG flats S+8 2 blocks (160), MIG flats B+G/S+8 2 blocks (196)

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

	Total – 632 units, 9 blocks and 6 nos. of shopping Kiosks
Total population	2700(Approx.)
Floor area ratio (FAR)	2.45 (Req. 2.75)
Built up area (Sq.m)	45614.04
Building Height (m)	27.0
Project cost (Lakhs)	9821.57
Parking Provided	8495.52 Sq.m
Power (Required) (in KW)	1925Kw
DG Set no & Capacity (KVA)	2 nos. of 125 kVA DG set and 2 nos. of 100 kVA DG
Fresh water requirement (KLD)	371
Waste water requirement (KLD) for flushing & gardening	40 (Gardening & Floor Washing)
Proposed capacity of STP (KLD)	350
Solid waste generation (Kg/day)	1700
Green areas (Sq.m)	4621 m

viii) **Baseline study:** Baseline study was conducted in month of April 2022. Following are the observations as mentioned in the below table:

PERIOD	April2022	Applicable Standards
AAQ PARAMETERS AT 5 LOCATIONS	PM2.5 – 33.6 to 46.2 µg/cu.m	60 µg/cu.m
	PM10 – 61.1 to 84.0 µg/cu.m	100 µg/cu.m
	SO2 – 6.5 to 13.9 µg/cu.m	80 µg/cu.m
	Nox – 15.2 to 23.5 µg/cu.m	80 µg/cu.m
Ground water Quality at 4Locations	pH – 6.9 to 7.2	6.5 to 8.5
	Total Hardness – 52 to 72 mg/l	600 mg/l
	Chloride - 10 to 16 mg/l	250 mg/l
	Fluorides – < 0.05 mg/l	1.5 mg/l
	TDS – 80 to 128 mg/l	1000 mg/l
	Heavy metals : BDL (Cd <0.001, As <0.01, Hg<0.0001) mg/l Detection limits of analysis method	Heavy metals: (Cd <0.003, As <0.01, Hg<0.001) mg/l
Surface water at 2 locations	pH – 7.2 to 7.4	
	Dissolved Oxygen – 6.4 to 6.6 mg/l	
	Biochemical Oxygen Demand – 2 to 2.5 mg/l	
	Chemical Oxygen demand – 8 to 10 mg/l	
Noise at 8 locations	Day (dBA Leq)- 48.8 to 65.5	55

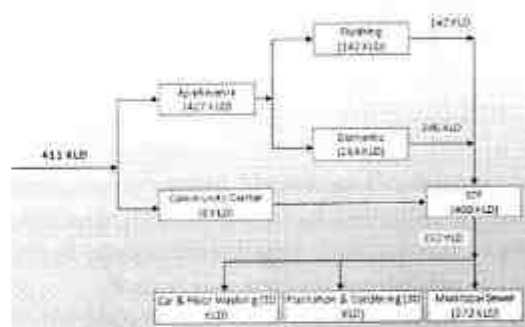


Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

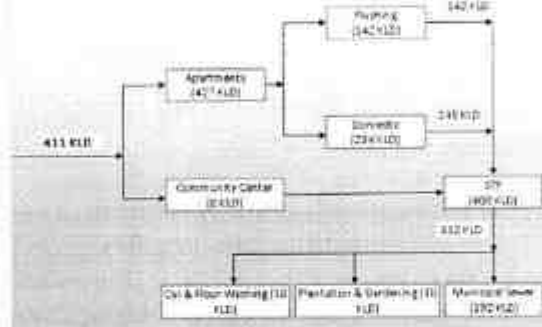
	Night (dBA Leq) - 39.6 to 55.6	45
Soil Quality at 5 locations	pH-6.0 to 6.8 Potassium – 80.6 to 104.8kg/Ha. , Phosphorous –40.6 to 69.6 kg/Ha , Total Organic Carbon % –0.56 to 1.17, Electrical Conductivity- 72 to 110µs / Cm.	

ix) **Water requirement:** During the operational phase total water requirement for the project will be 431 KLD out of which freshwater requirement will be 371 KLD and recycled water requirement will be 60 KLD. Total wastewater generation from the project will be 368 KLD and will be treated through 400 KLD STP. Total wastewater generated from the STP will be 332 KLD. The treated water from STP (232 KLD) will be utilized for gardening, car & floor washing. 30 KLD of treated wastewater will be used for gardening purpose, 30 KLD will be utilized for floor washing and rest 272 KLD of treated water will be discharged to municipal sewage drain.

Water Balance (Non-Monsoon)



Water Balance (Monsoon)



x) **Power requirement:** Total Requirement: 1925KW; Household Requirement : 1920KW; Street Lightning: 5 KW; Transformers: 2 Nos. of 500 KVA and 2 Nos. of 250 KVA, Four nos. of DG sets (2x250 kVA and 2 x 500 kVA) has been installed. Solar Power Break Up is as follows; Outdoor solar lighting @ 200 Watt x 30nos. of solar poles = 6000 W (6KW); Common area lighting = 10000W (5.0 KW); Solar water heating system @10 KW x 8 Nos = 80KW; Total Solar Power= 96 KW (5% of total power).

Solar Power Break up	
Outdoor solar lighting @ 200 Watt x 30 nos of solar poles	6000 W (6 KW)
Common area lighting	10000 W (5.0 KW)
Solar water heating system @10 KW x 8 Nos	80 KW
Total Solar Power	96 KW (5% of total power)

Energy conservation Measures Proposed:

Use of Solar power, Use of LED lights for illumination in the room (reduces electricity use 40%), Star rated electrical equipments, high efficiency transformers, Energy efficient cables and wires

- xi) **Rainwater harvesting details:** Runoff coefficient is 0.80 for roof top area, 0.60 for parking area and road, 0.20 for green area. Based on the above harvested quantity of rain water harvested is as : Harvested quantity of rain water from roof top area = 514 cu.m, Harvested quantity of rain water from Road and parking area = 2.25 cu.m, Harvested quantity of rain water from Green area = 138 cu.m; Total harvestable quantity of rainfall from the project site = 654 cu.m. No of recharge pits required = 4 nos.
- xii) **Parking details:** Total parking provided = 8495.52 sqm / 369 ECS which includes Open parking area = 65.00 sqm (3 ECS); Silt floor parking = 3564.46 sqm (155 ECS); Basement Parking = 4282.20 sqm (186 ECS); Ground floor Parking = 583.86 sqm (25 ECS).
- xiii) **Fire Fighting:** NOC obtained from Range Fire Officer, Central Range-II, Bhubaneswar vide Certificate No. FIRCER 1204130022021000701, Dtd.21/12/2021 valid up to Dtd.20/12/2026.
- xiv) **Greenbelt:** There are total 770 nos. Saplings that will be planted in the area of 4621sqm which is 30 % of the total plot area. Three tier plantations are proposed for the project. However, a single tier plantation along the boundary has been developed.

Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023



- xv) **Solid waste generated and its management:** About 1700 Kg of solid waste per day (@0.625 Kg/ capita/day) will be generated from the proposed group housing project which includes bio degradable and non-biodegradable waste. There is a proposal of installing 2 no. of Organic Waste Converter (OWC) unit in an apartment.
- xvi) **Details of court cases:** As per SEIAA, Odisha letter no. 3748 dated 30.10.2017; it was intimated that as the proponent has started the construction work at the site without obtaining Environment Clearance from the authority under EIA Notification 2006, the matter has been considered as Case of Violation of Environment Protection Act, 1986 due the starting of construction work at the site while the EC application was pending for consideration.
- xvii) **Project cost:** Estimated Project Cost is 9821.57 Lakhs. The capital cost for EMP is Rs.126.64 Lakhs and the recurring cost will be Rs. 8.0 Lakhs per annum.

Sl. No.	Particulars	Amount (Rs in Lakhs)
Capital Cost		
01	Installation of STP within the project site	57.68
02	Construction of Rain Water Harvesting structure and recharge pits	16.00
03	Plantation along the project boundary	3.30
04	Construction of Surface Water Drains	22.21
05	Construction of DG stack	10.0
06	Solid waste management	17.45
Total		126.64
Recurring Cost		
Sl. No.	Activities	Allocated Budget (Rs./ Annum)
1.	Maintenance of STP	4,00,000.00
2.	Maintenance of Organic waste converted for utilization of organic waste	2,40,000.00
3.	Plantation and maintenance of the green belt and avenue plantation	50,000.00
4.	Regular maintenance of DG set and monitoring of DG stack	50,000.00
5.	Environmental monitoring	60,000.00
Total		8,00,000.00

- xviii) **Estimated cost for violation proposal:** Budget under Remediation plan based on the damage assessment due to violation is Rs. 2,64,64,000. Budget for Natural Resource Augmentation Plan is Rs. 69,60,000.00. Total allocated budget for Damage assessment and Natural resource augmentation is Rs. 3,34,24,000.00. Cost allocated for the activities already carried out for the project: Rs. 2,63,49,000.00.

Sl. No	Activities	Total Cost (Rs.)
A	Budget under Remediation plan based on the damage assessment due to violation	2,64,64,000
B	Natural Resource Augmentation Plan	69,60,000.00
Total		3,34,24,000.00
Cost allocated for the activities already carried out for the project		2,63,49,000.00
Proposed Budgetary allocation towards implementation of Remediation plan based on the damage assessment due to violation and Natural resource augmentation plan		70,75,000.00

- xix) **Penalty Calculation as per the proponent:** Cost incurred during period of violation as declared by PP and certified by CA: 8.58 Crores. Penalty provision as calculated is: 1% of the project cost: Rs. 8.58 Lakhs.
- xx) **Environment Consultant:** The Environment consultant M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar along with the proponent made a presentation on the proposal before the Committee.
- xxi) Considering the information furnished and the presentation made by the consultant M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar along with the project proponent, the SEAC recommended the following:



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

- A. **The proponent may be asked to submit the following for further processing of EC application:**
- As per the SOP of violation case, penalty will be given 1% of the project cost. However, the percentage rate will be halved if the project proponent suo-moto declares the violation. The proponent during presentation claimed that they have suo-moto declare the project under case of violation. But, in this case violation has been identified by the sub-committee during visit in the year 2017 and directed the project proponent to apply for EC as violation case. Hence, the request of the proponent is not acceptable.
 - Find provision for STP enhancement of load factor of 75% along with higher installed capacity and with proper standby.
 - Project proponent must reduce the 272 KLD water discharge by increasing green belt.
 - The committee suggested for usage of STP treated water for gardening purpose. In addition, a proper STP system/STP enhancement shall be provided for standby along with UV system. Residents shall be informed about the same.
 - The proposed project is a violation case as the construction has been done before the grant of EC. Hence, the project proponent must disclose the turnover so that the penalty for violation can be calculated as per the same.
 - Cost for damage assessment is less. Revisit the cost estimation and submit.
 - Status of legal case filed if any as per ToRs issued for violation case
- xxii) **The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**
- Environmental settings of the project site.
 - Extent of construction activity.
 - Road connectivity to the project site.
 - Drainage network at the site.
 - Discharge point for discharge of treated water and distance of the discharge point from the project site.
 - Greenbelt area.
 - Status of implementation of pollution control measures and other remedial measures as indicated in the cost for damage assessment
 - Any other issues including local issues
- xxiii) Any deficiencies/omission have been noticed in the above documents- Nil.

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 28.08.2023 and the SEAC **rejected the proposal** as the PP has submitted duplicate application i.e. proposal no. SIA/OR/INFRA2/440125/2023 dt. 11.08.2023 and other proposal SIA/OR/INFRA2/408006/2022 dt.03.12.2022 for same project and the PP has requested to SEAC to reject the proposal no. SIA/OR/INFRA2/408006/2022 dt.03.12.2022. Accordingly, the SEAC reject the proposal dated 03.12.2022 and other one is under consideration at SEAC.

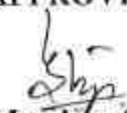
Decision Of Authority: Rejected

The authority accepted the recommendation of SEAC for rejecting the proposal with the following observations:-

- The PP has submitted duplicate application i.e. proposal no. SIA/OR/INFRA2/440125/2023 dt. 11.08.2023 and other proposal SIA/OR/INFRA2/408006/2022 dt.03.12.2022 for same project and the PP has requested to SEAC to reject the proposal no. SIA/OR/INFRA2/408006/2022 dt.03.12.2022 and other one is under consideration at SEAC.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA