

**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**



<b>AGENDA NO.102.21</b>	
Proposal No.	SIA/OR/MIN/64583/2021
Date of application	16.08.2022
File No.	64583/287-MINB1/08-2022
Project Type	Fresh EC
Category	B2(Individual Lease area),B1(Cluster Lease area)
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC of Balanda Stone Quarry- 2 over an area of 4.876 ha under cluster approach with total cluster area 37.915 ha.
Name of the company/Organization	Sri. Kameshwar Tiwari
Location of Project	Odisha
Name of the NABET Consultancy	M/s Atmos Sustainable Solutions Pvt Ltd, UP

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

- (i) This is a proposal for mining of Stone from Balanda Stone Quarry Cluster consisting of 13 Nos. of Quarries in cluster from Quarry No.1 to 13. The total area under cluster is 37.915Ha and the status of mines are as follows.  
 Status of Quarries- Quarry No-1,8,9-are in operation  
 Quarry No-11-Sub-Judice  
 Quarry No-4,5,6,12,13-Extincted  
 Quarry No-2,3,7,10- Applied for EC
- (ii) The present proposal is for EC of Balanda Stone Quarry- 2 over an area of 12.05 Acres or 4.876 ha submitted under cluster approach bearing khata no-504,Plot no-1897/p is located in Village-Balanda,tahasil-Lathikata, District-Sundargarh of Sri. Kameshwar Tiwari(Successful Bidder,Lessee).
- (iii) The mining area is a part of Survey of India Toposheet No. F45G16 bounded by Latitude: 22°11'25.03"N to 22°11'31.41"N and longitudes of 84°45'02.86"E to 84°45'11.64"E.
- (iv) The mining lease is an identified sairat source in the DSR. The Balanda Stone Quarry- 2 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Lathikathato the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (v) The cluster certificate has been furnished by the Tahasildar certifying that there are 13Nos. of mines located within 500 meters and forms a single cluster of 37.915Ha . Again, there are no other mines from the periphery of the proposed mine lease area cluster. As reported by the Tahasildar, this sairat source is a part of a cluster.
- (vi) The Terms of Reference (TOR) was granted by SEIAA vide letter no 3491/SEIAA dated 18.11.2021 for Balanda Stone Quarry Cluster for undertaking detailed EIA studies.
- (vii) The baseline data has been collected from March'2021 to May'2021 (summer season) for the cluster project.
- (viii) The public hearing was conducted on 04.05.2022 at 11.00A.M in at Gotidhara field of Balanda G.P under Lathikata Tehsil of District Sundargarh, Odisha. The major issues raised during public hearing were on dust pollution, local employment, controlled blasting to avoid cracks in houses, plantation, peripheral development(education, health & drinking water supply,etc), etc.
- (ix) The project proponent along with the consultant M/s Atmos Sustainable Solutions Pvt. Ltd., Noida (U.P) made a detailed presentation on the cluster proposal on 16.08.2022.
- (x) The project proponent has submitted Additional documents/information to SEAC on the project on 16.09.2022.
- (xi) The SEAC have appraised the proposal for approval of EIA/EMP in its meeting dated 02.11.2022 and the SEAC approved the EIA/EMP report in cluster approach and have recommended the following.  
 The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for



## Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022

- Balanda Stone Quarry (1, 2, 3, 5, 6, 7, 8, 9 & 10) in cluster without referring to SEAC with specific conditions as per Annexure – C after receipt of individual applications from the lessee in cluster along with following documents.
- Filled in form-I of individual lease
  - Prefeasibility report of individual lease
  - EMP of individual lease.
  - Approved Mining Plan of individual lease
  - DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
  - An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
  - No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
  - An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.
  - The project proponent shall 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.
- (xii) The project proponent has already submitted the individual Form-1, PFR,EMP, Approved mining plan, DLC certificate from Tahasildar, checklist along with the cluster EIA/EMP report.
- (xiii) Whether submitted KML file of the lease area-Yes
- (xiv) Whether submitted scrutiny fee- yes
- (xv) Distance from nearest sanctuary/ESZ- Palkot WLS-60.0 Km
- (xvi) Whether the lease area coming in DLC report-No, It has been clarified by Tahasildar on 24.06.2021.
- (xvii) Method of mining-Semi-mechanized with blasting
- (xviii) Distance from nearest road bridge-1.1 km, village road 0.90 km
- (xix) Previous EC Granted-yes
- (xx) Competent Authority & Date of approval of mining plan- Mining Officer, Rourkela Circle, Rourkela on 27.07.2020.
- (xxi) Production capacity per annum-100019.6 cum/annum (max.),1<sup>st</sup> year-99987.6cum,2<sup>nd</sup> year-100010.9cum, total production in 5 years period- 500048.6 cum, Geological reserve-1624931.4 cum and Mineable reserve- 878724.9 cum.
- (xxii) Water Requirement: – The total water requirement will be 7.3 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xxiii) Power Requirement: - No use of electric power as the operation will be done in the day time. DG set will be used as source of power.
- (xxiv) Employment Potential - A total of 49 nos. of workers are to be employed during mining operation.
- (xxv) Green Belt Development: Greenbelt plantation will be done by planting 1600 nos. saplings of suitable species by the lessee as per submission in EIA/EMP report.
- (xxvi) The project cost is estimated to be Rs. 65 lakhs and there is a budgetary provision of Rs.11.4 lakhs as capital cost and Rs.6.00 Lakhs as recurring cost towards environmental protection measures. The PP has estimated a budget of Rs.1.3 lakhs on CSR, Rs 2.80Lakhs as capital cost & 1.20lakhs/annum as recurring cost towards water, shelter and sanitation for mine worker & Rs.4.20Lakhs towards occupational health.
- (xxvii) 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
- (xxviii) Any deficiencies/omission have been noticed in the above documents- EC compliance of operating mines not submitted by Tahasildar, EMP cost, plantation data may be reviewed.

**Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.11.2021 and the SEAC approved the EIA/EMP report in cluster approach and recommended the following:

- a) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Balanda Stone quarry (1, 2, 3, 5, 6, 7, 8, 9 & 10) in cluster without referring to SEAC with specific conditions as per **Annexure**, after receipt of individual applications from the lessee in cluster along with following documents.
- i) Filled in form-I of individual lease



AGENDA NO.102.22	
Proposal No.	SIA/OR/MIN/63737/2021
Date of application	29.08.2022
File No.	63737/298-MINB1/08-2022
Project Type	Fresh EC
Category	B2(Individual Lease area),B1(Cluster Lease area)
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Gunupur Stone Quarry I over an area of 11.00 Acres or 4.451 ha submitted under cluster approach(Total area of cluster-8.497Ha) in Village-Gunupur, tahasil-Gunupur,District-Rayagada
Name of the company/Organization	Tahasildar,Gunupur
Location of Project	Odisha
Name of the NABET Consultancy	M/s. P & M Solution, Noida

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

- (i) This is a proposal for mining of Stone from Gunupur Stone Quarry Cluster consisting of 2 Nos. of Quarries in cluster i.e Gunupur Stone Quarry-I & Gunupur Stone Quarry-II. The total area under cluster is 8.497Ha and the status of mines are as follows.  
Status of Quarries- Quarry No-I & II- Applied for EC
- (ii) The present proposal is for EC of Gunupur Stone Quarry - I over an area of 11.00 Acres or 4.451 ha submitted under cluster approach bearing khata no-330,plot no-1522(A) and is located in Village-Gunupur, tahasil-Gunupur,District-Rayagada of Tahasildar,Gunupur.
- (iii) The mining area is a part of Survey of India Toposheet No. E44F16 bounded by Latitude: 19° 05' 19.81" N to 19° 05' 29.57" N, and Longitude 83° 49' 58.76" E to 83°49'56.38" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Gunupur Stone Quarry-I sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Gunupur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (v) The cluster certificate has been furnished by the Tahasildar certifying that there are 2Nos. of mines located within 500 meters and forms a single cluster of 8.497Ha. There are no other mines from the periphery of the proposed mine lease area cluster. As reported by the Tahasildar, this sairat source is a part of a cluster.
- (vi) Location and Connectivity: The Gunupur stone quarry lease located at Village-Gunupur, Tahasil-Gunupur, District - Rayagada, Odisha. The geo coordinates of the cluster are Latitude 19° 05' 19.81" N to 19° 05' 29.57" N, and Longitude 83° 49' 54.28" E to 83° 50' 06.75" E. The area falls in Survey of India Topo sheet No. E44F16. It is under seismic zones II as per the 2002 Bureau of Indian Standards (BIS) map, Odisha. The nearest town is Gunupur, approx. 2.0 km, nearest railway station is Gunupur Railway station, approx. 3.0 km & nearest Airport is Biju Patnaik International Airport, Bhubaneswar is approx. 245 km. Nearest State Highway is SH 4, approx. 1.5 km & nearest state boundary is Andhra Pradesh approx. 10 km. Water Bodies present nearby is Vamsadhara river, approx.4.0 km. There is no National Park or Biosphere Reserve within 10 km distance from the lease area. Dense mixed jungle, approx. 1.5 km in East direction.
- (vii) The Terms of Reference (TOR) was granted by SEIAA vide letter no 2306/SEIAA dated 26.03.2021 for Gunupur Stone Quarry Cluster for undertaking detailed EIA studies.



**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**

- ii) Prefeasibility report of individual lease
- iii) EMP of individual lease.
- iv) Approved Mining Plan of individual lease
- v) DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
- vi) An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
- vii) No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
- viii) An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.
- ix) The project proponent shall 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.

**Decision of Authority:**

After detailed deliberations, the Authority decided to **grant Environmental Clearance** to the project with usual stipulated conditions applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of stone extraction shall be 99987.6 cum in 1<sup>st</sup> year and 100010.9 cum in the 2<sup>nd</sup> year. Grant of EC for further period will be considered after submission of DSR.
- The Project Proponent (lease holder) shall deposit Rs.2,02,500/-, with the respective District Environment Society for raising 450 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.

  
Member Secretary, SEIAA

**APPROVED BY**

  
Member, SEIAA

  
Chairman, SEIAA



## Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022

- (viii) The baseline data has been collected from December'2020 to February'2021 (winter season) for the cluster project.
- (ix) The public hearing was conducted on 02.04.2022 at 11.00A.M in at Townhall, Gunupur under Gunupur Municipality in Rayagada District. The major issues raised during public hearing were on local employment, smooth transportation to avoid accidents, peripheral development, etc.
- (x) The project proponent along with the consultant M/s P & M Solution, Noida made a detailed presentation on the cluster proposal on 16.08.2022.
- (xi) The SEAC have appraised the proposal for approval of EIA/EMP in its meeting dated 02.11.2022 and the SEAC approved the EIA/EMP report in cluster approach and have recommended the following:  
The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Gunupur Stone Quarry (I&II) in cluster without referring to SEAC with specific conditions as per Annexure – C after receipt of individual applications from the lessee in cluster along with following documents.
- Filled in form-I of individual lease
  - Prefeasibility report of individual lease
  - EMP of individual lease.
  - Approved Mining Plan of individual lease
  - DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
  - An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
  - No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
  - An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.
- (xii) The project proponent has already submitted the individual Form-1, PFR,EMP,Approved mining plan, DLC certificate from Tahasildar, checklist along with the cluster EIA/EMP report.
- (xiii) Whether submitted KML file of the lease area-Yes
- (xiv) Whether submitted scrutiny fee- NA
- (xv) Distance from nearest sanctuary/ESZ- Karlapat WLS-106 Km
- (xvi) Whether the lease area coming in DLC report-No, It has been clarified by Tahasildar on 18.05.2021.
- (xvii) Method of mining-Semi-mechanized with blasting
- (xviii) Distance from nearest road bridge-1.98 km, village road 0.72 km
- (xix) Earlier EC Granted- Yes, EC compliance report submitted
- (xx) Competent Authority & Date of approval of mining plan- Joint Director of Geology, Zonal Survey, Koraput on 25.02.2020.
- (xxi) Production capacity per annum-2592 cum/annum (max.), 1<sup>st</sup> year-2592cum, 2<sup>nd</sup> year-2592cum, total production in 5 years period-12960 cum, Geological reserve-426833 cum and Mineable reserve- 315167 cum.
- (xxii) Water Requirement: – The total water requirement will be 7.0 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xxiii) Power Requirement: - No use of electric power as the operation will be done in the day time. DG set will be used as source of power.
- (xxiv) Employment Potential - A total of 24 nos. of workers are to be employed during mining operation.
- (xxv) Green Belt Development: Greenbelt plantation will be done by planting 3650 nos. saplings of suitable species by the lessee as per EMP submitted.
- (xxvi) The project cost is estimated to be Rs. 50 lakhs and there is a budgetary provision of Rs.5.76 lakhs as capital cost and Rs.8.77 Lakhs as recurring cost towards environmental protection measures. The PP has estimated a budget of Rs.5.0 lakhs on CER.
- (xxvii) 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
- (xxviii) Any deficiencies/omission have been noticed in the above documents- EMP cost,plantation data may be reviewed.

**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**

**Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.11.2021 and the SEAC approved the EIA/EMP report in cluster approach and recommended the following:

- b) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Gunupur Stone Quarry (I&II) in cluster without referring to SEAC with specific conditions as per **Annexure**, after receipt of individual applications from the lessee in cluster along with following documents.
- Filled in form-I of individual lease
  - Prefeasibility report of individual lease
  - EMP of individual lease.
  - Approved Mining Plan of individual lease
  - DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
  - An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
  - No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
  - An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.

**Decision of Authority:**

After detailed deliberations, the Authority decided to **grant Environmental Clearance** to the project with usual stipulated conditions applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of stone extraction shall be 2592 cum in 1<sup>st</sup> year and 2592 cum in the 2<sup>nd</sup> year. Grant of EC for further period will be considered after submission of DSR.
- The Project Proponent (lease holder) shall deposit Rs.1,80,000/-, with the respective District Environment Society for raising 400 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA

**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**



<b>AGENDA NO.102.23</b>	
Proposal No.	SIA/OR/MIN/63737/2021
Date of application	29.08.2022
File No.	63737/299-MINB1/08-2022
Project Type	Fresh EC
Category	B2(Individual Lease area),B1(Cluster Lease area)
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Gunupur Stone Quarry-II over an area of 10.00 Acres or 4.046 ha submitted under cluster approach(Total area of cluster-8.497Ha) in Village-Gunupur, tahasil-Gunupur,District-Rayagada
Name of the company/Organization	Tahasildar,Gunupur
Location of Project	Odisha
Name of the NABET Consultancy	M/s. P & M Solution, Noida

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

- (i) This is a proposal for mining of Stone from Gunupur Stone Quarry Cluster consisting of 2 Nos. of Quarries in cluster i.e Gunupur Stone Quarry-I & Gunupur Stone Quarry-II. The total area under cluster is 8.497Ha and the status of mines are as follows.  
 Status of Quarries- Quarry No-I & II- Applied for EC
- (ii) The present proposal is for EC of Gunupur Stone Quarry - II over an area of 10.00 Acres or 4.046 ha submitted under cluster approach bearing khata no-330,plot no-1522(B) and is located in Village-Gunupur, tahasil-Gunupur, District-Rayagada of Tahasildar,Gunupur.
- (iii) The Gunupur Stone Quarry-II mining area is a part of Survey of India Toposheet No. E44F16 bounded by Latitude: 19° 05' 19.68" N to 19° 05' 29.44" N, and Longitude 83° 50' 03.51" E to 83°50'02.20" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Gunupur Stone Quarry-II sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Gunupur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (v) The cluster certificate has been furnished by the Tahasildar certifying that there are 2Nos. of mines located within 500 meters and forms a single cluster of 8.497Ha. There are no other mines from the periphery of the proposed mine lease area cluster. As reported by the Tahasildar, this sairat source is a part of a cluster.
- (vi) Location and Connectivity: The Gunupur stone quarry lease located at Village-Gunupur, Tahasil-Gunupur, District - Rayagada, Odisha. The geo coordinates of the cluster lease area are Latitude :19° 05' 19.81" N to 19° 05' 29.57" N, and Longitude: 83° 49' 54.28" E to 83° 50' 06.75" E. The area falls in Survey of India Topo sheet No. E44F16. It is under seismic zones II as per the 2002 Bureau of Indian Standards (BIS) map, Odisha. The nearest town is Gunupur, approx. 2.0 km, nearest railway station is Gunupur Railway station, approx. 3.0 km & nearest Airport is Biju Patnaik International Airport, Bhubaneswar is approx. 245 km. Nearest State Highway is SH 4, approx. 1.5 km & nearest state boundary is Andhra Pradesh approx. 10 km. Water Bodies present nearby is Vamsadhara river, approx.4.0 km. There is no National Park or Biosphere Reserve within 10 km distance from the lease area. Dense mixed jungle, approx. 1.5 km in East direction.
- (vii) The Terms of Reference (TOR) was granted by SEIAA vide letter no 2306/SEIAA dated 26.03.2021 for Gunupur Stone Quarry Cluster for undertaking detailed EIA studies.



- (viii) The baseline data has been collected from December'2020 to February'2021 (winter season) for the cluster project.
- (ix) The public hearing was conducted on 02.04.2022 at 11.00A.M in at Townhall, Gunupur under Gunupur Municipality in Rayagada District. The major issues raised during public hearing were on local employment, smooth transportation to avoid accidents, peripheral development, etc.
- (x) The project proponent along with the consultant M/s P & M Solution, Noida made a detailed presentation on the cluster proposal on 16.08.2022.
- (xi) The SEAC have appraised the proposal for approval of EIA/EMP in its meeting dated 02.11.2022 and the SEAC approved the EIA/EMP report in cluster approach and have recommended the following:  
The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Gunupur Stone Quarry (I&II) in cluster without referring to SEAC with specific conditions as per Annexure – C after receipt of individual applications from the lessee in cluster along with following documents.
- Filled in form-I of individual lease
  - Prefeasibility report of individual lease
  - EMP of individual lease.
  - Approved Mining Plan of individual lease
  - DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
  - An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
  - No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
  - An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.
- (xii) The project proponent has already submitted the individual Form-1, PFR,EMP,Approved mining plan, DLC certificate from Tahasildar, checklist along with the cluster EIA/EMP report.
- (xiii) Whether submitted KML file of the lease area-Yes
- (xiv) Whether submitted scrutiny fee- NA
- (xv) Distance from nearest sanctuary/ESZ- Karlapat WLS-106 Km
- (xvi) Whether the lease area coming in DLC report-No, It has been clarified by Tahasildar on 18.05.2021.
- (xvii) Method of mining-Semi-mechanized with blasting
- (xviii) Distance from nearest road bridge-1.98 km, village road 0.72 km
- (xix) Earlier EC Granted-Yes, EC compliance report submitted.
- (xx) Competent Authority & Date of approval of mining plan- Joint Director of Geology, Zonal Survey, Koraput on 25.02.2020.
- (xxi) Production capacity per annum-2246 cum/annum (max.), 1<sup>st</sup> year-2246cum, 2<sup>nd</sup> year-2246cum, total production in 5 years period-11230 cum, Geological reserve-440748 cum and Mineable reserve-315763cum.
- (xxii) Water Requirement: – The total water requirement will be 7.0 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xxiii) Power Requirement: - No use of electric power as the operation will be done in the day time. DG set will be used as source of power.
- (xxiv) Employment Potential - A total of 22 nos. of workers are to be employed during mining operation.
- (xxv) Green Belt Development: Greenbelt plantation will be done by planting 3650 nos. saplings of suitable species by the lessee as per EMP submitted.
- (xxvi) The project cost is estimated to be Rs. 50 lakhs and there is a budgetary provision of Rs.5.175 lakhs as capital cost and Rs.8.77 Lakhs as recurring cost towards environmental protection measures. The PP will allocate Cost of CER 2 % of proposed project cost.
- (xxvii) 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
- (xxviii) Any deficiencies/omission have been noticed in the above documents- EMP cost,plantation data may be reviewed.



**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**

**Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.11.2021 and the SEAC approved the EIA/EMP report in cluster approach and recommended the following:

- c) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Gunupur Stone Quarry (I&II) in cluster without referring to SEAC with specific conditions as per **Annexure**, after receipt of individual applications from the lessee in cluster along with following documents.
- Filled in form-I of individual lease
  - Prefeasibility report of individual lease
  - EMP of individual lease.
  - Approved Mining Plan of individual lease
  - DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
  - An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
  - No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
  - An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.

**Decision of Authority:**

After detailed deliberations, the Authority decided to **grant Environmental Clearance** to the project with usual stipulated conditions applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of stone extraction shall be 2246 cum in 1<sup>st</sup> year and 2246 cum in the 2<sup>nd</sup> year. Grant of EC for further period will be considered after submission of DSR.
- The Project Proponent (lease holder) shall deposit Rs.1,80,000/-, with the respective District Environment Society for raising 400 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA



**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**

<b>AGENDA NO.102.24</b>	
Proposal No.	SIA/OR/MIN/81084/2021
	24.08.2022
File No.	81084/300-MINB1/08-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Dhanarasi Sand Bed Over an area of 12.756 Acre or 5.162 Ha in Village-Dhanarasi, Tahasil- Digapahandi, District- Ganjam Odisha
Name of the company/Organization	Smt Laxmi Sethi
Location of Project	Tahasil- Digapahandi, District- Ganjam Odisha
ToR Date	27.08.2021
Name of the Consultant	M/s Cognizance research India Pvt Ltd, Noida

**Proposal in brief :**

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

- (i) This is a proposal for mining of river sand from Dhanarasi Sand Bed over an extent of 12.756 Acres or 5.162 ha bearing Khata no- 276, Plot No - 01 & 28, Kisam-Nadi, lying in the Bahuda river bed located in Village- Dhanarasi, Tahasil- Digapahandi, District-Ganjam.
- (ii) The mining lease is an identified sairat source in the DSR. The Dhanarasi Sand Bed sairat source will be leased out under the OMMC Rules,2016 by Tahasildar, Digapahandi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (iii) The modified mining plan of the mining project prepared has been approved by Deputy Director of Geology, O/o the Joint Director of Geology, S.Z, Berhampur on 20.09.2021.
- (iv) The cluster certificate has been furnished by the Tahasildar certifying that there is no other mine located within 500 meters from the periphery of the proposed mine lease area. As reported by the Tahasildar, this sairat source is not a part of any cluster.
- (v) The Standard Terms of Reference (ToR) has been granted by SEIAA, Odisha on dated 27.08.2021 for undertaking detailed EIA study for the project.
- (vi) The public hearing has been conducted on 22.04.2022 at 11.00 AM at BatyaAshrayasthali of Village-Dhanarasi (Over Plot No 370 & 371 in Khata No. 192/79) Mouza Dhanarasi Under Digapahandi Tehsil of Ganjam District. The major issues raised during public hearing were on settlement of lease without consent of gram panchayat, protection of environment, plantation, dust pollution due to transportation, maintenance of roads, village will be affected by flood due to excavation of sand and mining shall be carried out with mutual discussion of local villagers. The PP has estimated a budget of Rs.5.75Lakhs towards compliance of public hearing issues.
- (vii) The baseline data has been collected from December'2019 to February'2020 (winter season) for the project.
- (viii) Location and Connectivity - The mining area is a part of Survey of India Toposheet No. 74A/7, 74A/8, 74A/11 & 74A/12, bounded by Latitude: 19° 13' 58.20" N to 19° 14' 4.00" N and Longitude: 84° 31' 10.30" E to 84° 31' 20.10" E. The quarry area is accessible by all weather & well-connected by road and rail. Nearest road is SH - 29, at 3.45km. Nearest Airport Utkela Airport (Bhawanipatna), approx 170 km, nearest Railway Station is Ichchapuram Railway Station, approx 21.50 km. Nearest habitation is Naupada at 450m. Nearest town is Dhanarasi at 1.15km. The project proponent has submitted that there is no national park, wild life sanctuary, eco sensitive areas situated within 10Kms radius of the lease area.

**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**

- (ix) Total Reserves and Production Details: – The project proponent has submitted that the total geological reserve has been estimated as 90224 cum with depth of sand 2.0m for the QL period. Similarly, the mineable reserve of river bed sand has been estimated to be 73858cum with depth of sand 2.0m. The project proponent has proposed a total production of 25000 cum of sand with depth of sand 1.0m from this quarry during the valid lease period of 5 years, with a maximum production 5000 cum per annum. Mining will be done by manual method. Excavation & loading of sand will be done through dumpers and trucks/tractors.
- (x) Water Requirement: – The total water requirement will be 1.72 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xi) Power Requirement: - No use of electric power as the operation will be done in the day time. DG set will be used as source of power.
- (xii) Green Belt Development: Greenbelt plantation will be done by planting 100 nos. saplings of suitable species by the lessee in vicinity of the river bank, haulage roads and near village.
- (xiii) Employment Potential - A total of 16 nos. of workers are to be employed during mining operation.
- (xiv) The project cost is estimated to be Rs. 50 lakhs and there is a budgetary provision of Rs.1.75 lakhs as capital cost and Rs.3.995 Lakhs as recurring cost towards environmental protection measures. Budget allocated for CER is 1.00Lakh.
- (xv) 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**
- (xvi) Whether the replenishment rate study of sand was done as per the Enforcement & Monitoring Guideline for sand mining-2020-**No**
- (xvii) The Environment consultant M/s Cognizance research India Pvt Ltd, Noida along with the project proponent has made a detailed presentation on the EIA/EMP report on 02.11.2022.
- (xviii) Any deficiencies/omission have been noticed in the above documents-ARSS not done. Data in EIA/EMP in regard to PH date is incorrect.

**Whether SEAC recommended the proposal** – Yes, SEAC have already recommended for grant of Environmental Clearance for the project in its meeting dated 02.11.2022 with stipulated conditions.

- (i) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India.
- (ii) Regular replenishment study to be conducted and report to be submitted.
- (iii) Provision of Bio-toilet shall be made at the site.
- (iv) Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
- (v) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.

**Decision of Authority:**

After detailed deliberations, the Authority decided to **grant Environmental Clearance** to this project with usual stipulated conditions applicable for sand quarry.

- Maximum depth of mining 1.0 meter and maximum quantity of sand extraction shall be limited to 5000 cum in 1<sup>st</sup> year and 1250 cum in the 2<sup>nd</sup> year. Grant of EC for further period will be considered after submission of rate of replenishment study report by December 2024.
- The Project Proponent (lease holder) shall deposit Rs.2,25,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA



AGENDA NO.102.25	
Proposal No.	SIA/OR/MIN/82407/2021
	26.08.2022
File No.	82407/301-MINB1/08-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Badaro Devi Nadi Sand Quarry Over an area of 12.60 Acre or 5.10 Ha in Village- Badaro, Tahasil- Jagatsinghpur, District- Jagatsinghpur Odisha
Name of the company/Organization	Sri.Uttam Charan Rout
Location of Project	Tahasil-Jagatsinghpur, District-Jagatsinghpur,Odisha
ToR Date	31.08.2021
Name of the Consultant	M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar

**Proposal in brief :**

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

- (i) This is a proposal for mining of river sand from Badaro Devi Nadi Sand Quarry over an extent of 12.60 Acres or 5.10 ha bearing Khata no- 88, Plot no-1/p, Kisam-Nadi, lying in the Devi river bed located in Village- Badaro, Tahasil- Jagatsinghpur, District- Jagatsinghpur.
- (ii) The mining lease is an identified sairat source in the DSR. The Badaro Devi Nadi Sand Quarry sairat source will be leased out under the OMMC Rules,2016 by Tahasildar, Jagatsinghpur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (iii) The mining plan of the mining project prepared has been approved by Deputy Director of Geology, Directorate of Geology, Bhubaneswar on 21.12.2020.
- (iv) The cluster certificate has been furnished by the Tahasildar certifying that there is no other mine located within 500 meters from the periphery of the proposed mine lease area. As reported by the Tahasildar, this sairat source is not a part of any cluster.
- (v) The Terms of Reference (ToR) has been granted by SEIAA, Odisha vide letter no. 2323/SEIAA on dated 31.08.2021 for undertaking detailed EIA study for the project.
- (vi) The public hearing has been conducted on 03.06.2022 at 11.00 AM at Ground near Sainito Primary School, Sainito village in Jagatsinghpur, Odisha. The major issues raised during public hearing were on traffic congestion in village road due to sand transportation, so alternate route to be proposed, air pollution control, road repair & plantation. The PP has estimated a budget of Rs.5.75Lakhs towards compliance of public hearing issues.
- (vii) The baseline data has been collected from November'2021 to January'2021 (winter season) for the project.
- (viii) Location and Connectivity - The mining area is a part of Survey of India Toposheet No. 73 L/4, bounded by Latitude: 20°10'31.20" N to 20°10'37.30" N and Longitude: 86°09'09.20" E to 86°09'19.70" E. The quarry area is accessible by all weather & well-connected by road and rail. Nearest Railway station is Gorakhnath at 18.20 Km, nearest other road is Mahira Road at 2.3 Km, NH at 14.30 Km, SH 55 at 7.90 Km. Nearest Major District Road at 7.90 Km, nearest airport is Biju Patnaik International Airport, Bhubaneswar at 35.70 Km. Nearest Road Bridge over Devi river known as Galadari bridge -1.9 Km. The



## Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022

project proponent has submitted that there is no national park, wild life sanctuary, eco sensitive areas situated within 10Kms radius of the lease area.

- (ix) Total Reserves and Production Details: – The project proponent has submitted that the total geological reserve has been estimated as 39077 cum with depth of sand 1.0m for the QL period. Similarly, the mineable reserve of river bed sand has been estimated to be 32751cum with depth of sand 1.0m. The project proponent has proposed a total production of 32500 cum of sand with depth of sand 1.0m from this quarry during the valid lease period of 5 years, with a maximum production 6500 cum per annum. Mining will be done by manual method. Excavation & loading of sand will be done through dumpers and trucks/tractors.
- (x) Replenishment study: - The replenishment study has been carried out during May,2021(pre monsoon) and November (post monsoon) by volumetric method. Estimated annual replenishment volume is 32751 cum. However, the mineable reserve as per approved mining plan is 32751cum. The Annual proposed production is 6500 cum.
- (xi) Water Requirement: – The total water requirement will be 3.0 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xii) Power Requirement: - No use of electric power as the operation will be done in the day time. DG set will be used as source of power.
- (xiii) Green Belt Development: Greenbelt plantation will be done by planting 500 nos. saplings of suitable species by the lessee in vicinity of the river bank, haulage roads and near village.
- (xiv) Employment Potential - A total of 15 nos. of workers are to be employed during mining operation.
- (xv) The project cost is estimated to be Rs. 10 lakhs and there is a budgetary provision of Rs.3.00 lakhs as capital cost and Rs.6.00 Lakhs as recurring cost towards environmental protection measures.
- (xvi) 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**
- (xvii) Whether the replenishment rate study of sand was done as per the Enforcement & Monitoring Guideline for sand mining-2020-**No**
- (xviii) The Environment consultant M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar along with the project proponent has made a detailed presentation on the EIA/EMP report on 02.11.2022.
- (xix) Any deficiencies/omission have been noticed in the above documents-The ARSS is not as per the guidelines of Ministry and it is done by RQP.

**Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of Environmental Clearance for the project in its meeting dated 02.11.2022 with stipulated conditions.**

- (i) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India.
- (ii) Regular replenishment study to be conducted and report to be submitted.
- (iii) Provision of Bio-toilet shall be made at the site.
- (iv) Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
- (v) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.

**Decision of Authority:**

After detailed deliberations, the Authority decided to **grant Environmental Clearance** to this project with usual stipulated conditions applicable for sand quarry.

- Maximum depth of mining 1.0 meter and maximum quantity of sand extraction shall be limited to 6500 cum in 1<sup>st</sup> year and 1625 cum in the 2<sup>nd</sup> year. Grant of EC for further period will be considered after submission of rate of replenishment study report by December 2024.
- The Project Proponent (lease holder) shall deposit Rs.2,25,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- Show Cause Notice shall be issued to the NABET Consultant for not complying the ToR conditions correctly & submission of incorrect information in replenishment study report. The Replenishment study report submitted by the consultant is not as per the Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 issued by Ministry.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA



AGENDA NO.102.26	
Proposal No.	SIA/OR/MIN/402145/2022
Date of Application	29.10.2022
File No.	402145/772-MINB1/10-2022
Project Type	Fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Remal sand bed, Daradipal Over an area of 12.50Acres or 5.06Ha in Village-Daradipal, Tahasil-Ghasipura, District-Keonjhar
Name of the company/Organization	Sri Hrushiksha Jena, Director, M/s Jena Minerals Pvt. Ltd.
Location of Project	Odisha
ToR Date	09.03.2021
Name of the Consultant	M/s P&M Solution, Noida

**Proposal in brief:**

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

- (i) This is a proposal for mining of river sand from Remal sand bed, Daradipal over an extent of 12.50 Acres or 5.06 Ha bearing Khata No. 335 & 504, Plot No. 245, 892/1 & 550, Kisam-Nadi, lying in the Remal river bed located in Village- Daradipal, Tahasil - Ghasipura, District - Keonjhar.
- (ii) The mining lease is an identified sairat source in the DSR. The Remal Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Ghasipura to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (iii) The Mining Plan for the proposed sand sand quarry has been approved by Joint Director of Geology, Keonjhar on 15.09.2020.
- (iv) The Cluster certificate has been furnished by the Tahasildar on 15.01.2021 certifying that there is no other mine located within 500 meters from the periphery of the proposed mine lease area. As reported by the Tahasildar, this sairat source is not a part of any cluster.
- (v) The Terms of Reference (ToR) has been granted by SEIAA, Odisha vide letter No.878/SEIAA on dated 09.03.2021 for undertaking detailed EIA study for the project.
- (vi) The public hearing has been conducted on 18.05.2022 at 11.00 A.M. at Balipal (Near Balipal Hata, Khata No. 337 (Rakhita), Plot no. 901, Kissam- Bagayat- II. The major issues raised during public hearing were on financial benefits to the villagers, control of environmental pollution, strengthening of road/embankment, repairing of road, truck movement and the mining will be done in a scientific manner, upto a 1 m depth only. There will be no intersect of ground water table.
- (vii) The baseline data has been collected from December'2020 to February'2021 (winter season) for the project.
- (viii) Location and Connectivity - The mining area is a part of Survey of India Toposheet No. 73G/16 and is bounded between the Latitude-21°09'50.62"N to 21°10'11.62"N and Longitude-85°59'14.57"E to 85°59'47.59"E. The quarry is well connected to District head quarter of Keonjhar District. Nearest Railway Station, Tangiriapal Railway Station is situated at a distance of about 6.06 km towards SW direction. Nearest Airport, Biju Patnaik International Airport is



## Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022

located at a distance of about 218 km towards SE direction from the proposed project site. The proposed site is situated at a distance of about 6.40 km from the Nearest Highway - NH-224 in NW direction. The distance of Rebana Reserve Forest is about 5.5 Km in NW. The project proponent has submitted that there is no Biosphere reserve or Wildlife Sanctuary or National Park or other ecologically sensitive areas within a distance of 10 Km from the boundary of the project site.

- (ix) Total Reserves and Production Details: – The project proponent has submitted that the total geological reserve has been estimated as 35835 cum with depth of sand 0.8m. Similarly, the mineable reserve of river bed sand has been estimated to be 11804 cum with depth of sand 0.8m. The project proponent has proposed a total production of 11805 cum of sand with depth of sand 0.8m from this quarry during the valid lease period of 5 years, with a maximum production 2361 cum per annum. Mining will be done by manual method. Excavation & loading of sand will be done through dumpers and trucks/tractors manually.
- (x) Water Requirement: – The total water requirement will be 1.00 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xi) Power Requirement: - No use of electric power as the operation will be done in the day time.
- (xii) Green Belt Development: Greenbelt plantation will be done by planting 250 nos. saplings of suitable species by the lessee in vicinity of the river bank, haulage roads and near village.
- (xiii) Employment Potential - A total of 5 nos. of workers are to be employed during mining operation.
- (xiv) The project cost is estimated to be Rs.35 lakhs and there is a budgetary provision of Rs. 0.9Lakhs as capital cost and Rs.3.80 Lakhs as recurring cost towards environmental protection measures. The PP has estimated a budget of Rs.0.7 Lakhs on CER.
- (xv) 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**
- (xvi) Whether the replenishment rate study of sand was done as per the Enforcement & Monitoring Guideline for sand mining-2020-**Not submitted**
- (xvii) The Environment consultant M/s P & M Solution, Noida along with the project proponent has made a detailed presentation on the EIA/EMP report on 05.11.2022.
- (xviii) Any deficiencies/omission have been noticed in the above documents-Kml file not in proper format. Mining will be done in two patches. The ARSS is not submitted.

**Whether SEAC recommended the proposal** – Yes, SEAC have already recommended for grant of Environmental Clearance for the project in its meeting dated 05.11.2022 with stipulated conditions.

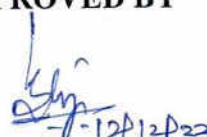
### Decision of Authority:

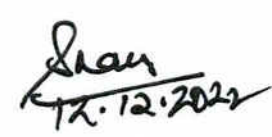
After detailed deliberations, the Authority decided to ~~deferred~~ **deferred the proposal** and sought additional information on the following:

- The PP to submit data of post monsoon survey through drone survey method done by ORSAC. The ARSS shall be prepared following the Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 issued by Ministry.

  
Member Secretary, SEIAA

APPROVED BY

  
Member, SEIAA

  
Chairman, SEIAA



**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**



<b>AGENDA NO.102.27</b>	
Proposal No.	SIA/OR/MIN/403597/2022
Date of Application	18.10.2022
File No.	403597/773-MINB1/10-2022
Project Type	Fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Remal sand bed, Khailo Over an area of 12.50Acres or 5.06Ha in Village-Khailo, Tahasil-Ghasipura, District-Keonjhar
Name of the company/Organization	Sri Hrushiksha Jena, Director, M/s Jena Minerals Pvt. Ltd.
Location of Project	Odisha
ToR Date	09.03.2021

**Proposal in brief :**

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

- (i) This is a proposal for mining of river sand from Remal sand bed, Khailo over an extent of 12.50 Acres or 5.06 Ha bearing Khata No. 216, Plot No. 420,358, Kisam-Nadi, lying in the Remal river bed located in Village- Khailo, Tahasil - Ghasipura, District - Keonjhar.
- (ii) The mining lease is an identified sairat source in the DSR. The Remal Sand Bed, Khailo sairat source will be leased out under the OMMC Rules,2016 by Tahasildar, Ghasipura to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years. The lease period of 5 years shall take effect from the date of registration of duly executed lease deed in this regard by the Tahasildar.
- (iii) The Mining Plan for the proposed sand quarry has been approved by Joint Director of Geology, Keonjhar on 15.09.2020.
- (iv) The Cluster certificate has been furnished by the Tahasildar on 15.01.2021 certifying that there is no other mine located within 500 meters from the periphery of the proposed mine lease area. As reported by the Tahasildar, this sairat source is not a part of any cluster.
- (v) The Terms of Reference (ToR) has been granted by SEIAA, Odisha vide letter No.876/SEIAA on dated 09.03.2021 for undertaking detailed EIA study for the project.
- (vi) The public hearing has been conducted on 20.06.2022 at 11.00 A.M. at Near Community Centre, (Khata No. 215 (A), Plot no. 475, Kissam- Biali, Area-5.06 ha, at village- Khailo, Tehsil-Ghasipura, District- Keonjhar, Odisha. The major issues raised during public hearing were on protection of nearby bridge which is 0.7Km, stone patching work to be undertaken, strengthening of road/embankment, repairing of road, smooth truck movement, plantation, peripheral development, etc. From the public hearing proceedings, it shows that people were not so much in favour of sand mining in the area as per comments expressed by people.
- (vii) The baseline data has been collected from December'2020 to Febuary'2021 (winter season) for the project.
- (viii) Location and Connectivity - The mining area is a part of Survey of India Toposheet No. 73G/16 and is bounded between the Latitude-21°10'13.67"N to 21°10'28.57"N and Longitude- 85°57'14.34"E to 85°57'34.43"E. The quarry is well connected to District head quarter of



## Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022

Keonjhar District. The mining lease area is approachable following NH-224 which is about 3.40 km away towards NW. Nearest Railway Station: Tangiriapal Railway Station is approx 3.06 km towards SW direction. Nearest Airport: Biju Patnaik International Airport is approx 218 km towards SE direction. Nearest Highway: NH-224 is approx. 3.40 km in NW direction. Rebana Reserve Forest is at 2.37 Km. The project proponent has submitted that there is no Biosphere reserve or Wildlife Sanctuary or National Park or other ecologically sensitive areas within a distance of 10 Km from the boundary of the project site.

- (ix) Total Reserves and Production Details: – The project proponent has submitted that the total geological reserve has been estimated as 50586 cum with depth of sand 1.0m. Similarly, the mineable reserve of river bed sand has been estimated to be 38918 cum with depth of sand 1.0m. The project proponent has proposed a total production of 46700 cum of sand with depth of sand 1.0m from this quarry during the valid lease period of 5 years, with a maximum production 9340 cum per annum. There is a road bridge in mining lease area. Mining will be carried out after leaving safety barrier of approx. 200 m upstream & downstream of the bridge. Mining will be done by manual method. Excavation & loading of sand will be done through dumpers and trucks/tractors manually.
- (x) Replenishment study: - The replenishment study has been carried out during August,2022(pre monsoon) by drone method. No pre monsoon & post monsoon data has be retrived. Only data in the month of August has be collected. Estimated annual replenishment volume is 8790 cum. However, the Mineable Reserve as per approved Mining Plan is 38918 cum. The Annual proposed production is 9340 cum.
- (xi) Water Requirement: – The total water requirement will be 10.5 KLD for different purposes like Domestic, Dust suppression, plantation purposes. Source: Nearby village with the help of tankers.
- (xii) Power Requirement: - No use of electric power as the operation will be done in the day time.
- (xiii) Green Belt Development: Greenbelt plantation will be done by planting 1660 nos. saplings of suitable species by the lessee in vicinity of the river bank, haulage roads and near village.
- (xiv) Employment Potential - A total of 16 nos. of workers are to be employed during mining operation.
- (xv) The project cost is estimated to be Rs.84 lakhs and there is a budgetary provision of Rs. 9.125 lakhs as capital cost and Rs.4.80 Lakhs as recurring cost towards environmental protection measures. The PP has estimated a budget of Rs.80,000.00 on CER.
- (xvi) 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
- (xvii) Whether the replenishment rate study of sand was done as per the Enforcement & Monitoring Guideline for sand mining-2020-No
- (xviii) The Environment consultant M/s P & M Solution,Noida along with the project proponent has made a detailed presentation on the EIA/EMP report on 05.11.2022.
- (xix) Any deficiencies/omission have been noticed in the above documents-Kml file not in proper format. The ARSS submitted shall be reviewed. Survey has been carried out in month of August 2022 only. The ARSS is not clear in which month the pre monsoon & post monsoon survey was carried out. The PP has submitted that 8790cum can be extracted from the lease hold area at present as against the proposed production capacity of 9340cum.

**Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of Environmental Clearance for the project in its meeting dated 05.11.2022.**

- i) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India.
- ii) Regular replenishment study to be conducted and report to be submitted.
- iii) Provision of Bio-toilet shall be made at the site.
- iv) Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.



**Agenda Note of 102<sup>nd</sup> Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022**

- v) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.

**Decision of Authority:**

After detailed deliberations, the Authority decided to ~~deferred~~ **the proposal** and sought additional information on the following:

- The PP to submit data of post monsoon survey through drone survey method done by ORSAC. The ARSS shall be prepared following the Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 issued by Ministry.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA