

**MINUTES OF THE 4<sup>TH</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), TRIPURA HELD ON 28<sup>TH</sup> SEPTEMBER, 2022 AT THE CONFERENCE HALL OF TRIPURA STATE POLLUTION CONTROL BOARD, P. N. COMPLEX, GORKHABASTI, AGARTALA, WEST TRIPURA.**

Minutes of the 4<sup>th</sup> Meeting of State Level Expert Appraisal Committee (SEAC), Tripura held on 28/09/2022 at 3.30 PM through hybrid mode (online/offline) in the Conference Hall of Tripura State Pollution Control Board, P.N. Complex, Agartala, West Tripura under the chairmanship of Prof. Umesh Mishra, Chairman, SEAC, Tripura.

The following members of State Level Expert Appraisal Committee (SEAC), Tripura were present in the said meeting

1. Dr. Saikat Das Sharma, Member, SEAC, Tripura.
2. Prof. Shaon Ray Choudhuri, Member, SEAC, Tripura
3. Shri Swapan Kumar Das, Member, SEAC, Tripura
4. Dr. Arjun Kumar De, Member, SEAC, Tripura.
5. Dr. Y. V. Krishnaiah, Member, SEAC, Tripura.
6. Dr. Mihir Kr Das, Member Secretary, SEAC, Tripura.

A total of 10 (ten) numbers of sand mining plans & 2 (two) numbers of brick earth mining plans approved by the Forest Department of Tripura and 04(four) numbers of Drilling exploratory proposals received from M/s Oil and Natural Gas Corporation Limited (ONGC), Tripura Asset, Badharghat Complex, Agartala, 799014 came up for Environmental Clearance in 4<sup>th</sup> meeting of SEAC on 28<sup>th</sup> September, 2022. After scrutiny of all the 16(sixteen) numbers of applications along with the documents submitted by the project proponents, SEAC, Tripura recommends to SEIAA, Tripura for issuance of EC (Environmental Clearance).

*Umesh Mishra*  
*Chairman*  
*SEAC*

## 1: Sand Mining Proposal

The following 10(ten) proposals of Sand Mines are placed for recommendation for issuance of Environmental Clearance:

Sl. No	Block ID	Project Name & Proposal Number	Proponent Name	Plot No. (Mining Plot)	Area in Acre	Capacity in cum/annum	P.S	Mouza Name	District	Latitude	Longitude
1.	GMT-54	Rabiul Miah SIA/TR/MIN/2 89280/2022	Rabiul Miah	1027(P), Stock Plot: 603/1155	0.26	1026	R.K.Pur	Gokulpur	Gomati	23°32'44.53"N	91°29'13.14"E
2.	GMT-82	Apurb Das Sand SIA/TR/MIN/2 89275/2022	Apurb Das	1027(P), Stock Plot:522	0.66	2925	R.K.Pur	Gokulpur	Gomati	23°32'46.52"N	91°29'08.53"E
3.	TRI/N-62	NCR Sand SIA/TR/MIN/2 89094/2022	Biswajit Bhattacharjee	814(P), Stock Plot:701/59 46	0.91	4299	Dharmanagar	Dhupirband	North Tripura	24°20'59.59"N	92°09'43.30"E
4.	GMT-71	Tapan Debroy SIA/TR/MIN/2 87159/2022	Tapan Debroy	4622(P), Nearest Plot: 7703(P)	0.38	1645.5	Kakraban	Kakraban	Gomati	23°29'13.46"N	91°23'39.00"E
5.	TRI/W-51	Maa Sand SIA/TR/MIN/2 85446/2022	Birendra Chandra Das	5193, Nearest plot: 5180,5181	0.2718	1020.67	Jirania	Purba Barajala	West Tripura	23°49'29.06"N	91°27'26.89"E
6.	UMT/U N/005	Nirmal Das Sand SIA/TR/MIN/4 01129/2022	Nirmal Das	214(P),Stock plot: 76	2.03	10662	Kumarghat	East Kanchanbari	Unakoti	24°08'37.86"N	92°00'44.24"E
7.	UMT/U N/004	Satyasundar Sand SIA/TR/MIN/4 01122/2022	Satyasundar Datta	2842(P), stock plot: 2901	1.98	10125	Fatikroy	Mashauli	Unakoti	24°05'17.81"N	91°59'03.34"E
8.	UMT/N T/001	Sajal Das Sand SIA/TR/MIN/4 01111/2022	Sajal Das	4951(P),near est plot: 4956(P),496 3(P), 4964(P)	1.15	5536.5	Kanchanpur	Kanchanpur	North Tripura	24°00'58.30"N	92°11'41.83"E

9.	DH-132	Laxmi Sand SIA/TR/MIN/4 00913/2022	Amar Debbarma	131(P), nearest stock plot:126,127 ,128,129	3.28	16066.2	Manu Ghat	Jamir Cherra	Dhalai	23°59'32.50"N	91°58'54.86"E
10	UMT/S T/004	Bharat Niram Infrastructure SIA/TR/MIN/4 00312/2022	Subrajit Patwari	1(P), stock plot: 793	1.69	8259	Santirbaza r	Laogang	South Tripura	23°17'54.50"N	91°33'32.98"E

The following guidelines will be applicable for all the 10 numbers of Sand mining project proposals for issuance of the Environmental Clearance Certificate with a validity of **5 years** w.e.f date of issue:

1. The Project Proponent should have valid lease and all the permits.
2. All the provisions made and restrictions imposed as covered in the Tripura Minor Mineral Concessions Rules, 2014 shall be complied with, particularly regarding Environment management Practices and its fund Management and Payment of compensation to the land owners.
3. The depth of mining in Riverbed shall not exceed one meter or water level whichever is less, provided that where the Joint Inspection Committee certifies about excessive deposit or over accumulation of mineral in certain reaches requiring channelization, it can go up to 3 meters on defined reaches of the River.
4. No River sand mining be allowed in rainy season.
5. To submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
6. In River flood plain mining a buffer of 10 meter to be left from the River bank of mining.
7. In mining from agricultural field a buffer of 3 meter to be left from the adjacent field.
8. Mining shall be done in layers of 1 meter depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
9. To maintain safety and stability of Riverbanks i.e. 10 meter or 10% of the width of the River whichever is more will be left intact as no mining zone.
10. No stream should be diverted for the purpose of sand mining. No natural water course and / or water resources are obstructed due to mining operations.

Traon Ray Chaudhuri 28/9/2022

*Subrata Kumar*  
*Nelam*

11. No blasting shall be resorted to in River mining and without permission at any other place.
12. Depending upon the location, thickness of sand, deposition, agricultural land / Riverbed the method of mining may be manual, semi-mechanized or mechanized : however, manual method of mining shall be preferred over any other method.
13. Mining should be done only in area / stretch identified in the District Level Survey Report suitable for mining and so certified by the Sub-Divisional Level Committee after site visit.
14. Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the Forest Department of Tripura.
15. The top soil in case of surface land mining shall be stored temporarily in an earmarked site and concurrently used for land reclamation, where applicable.
16. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
17. For each mining lease site the access should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for.
18. There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and of the provisions under the Minor mineral Concessions Rule, 2014 framed by the State Government.
19. Noise arising out of mining and processing shall be abated and controlled at source to keep within permissible limit.
20. Sand mining operation can be carried out during day- time only.
21. The pollution due to transportation of sand be controlled through regular water sprinkling.
22. Air Pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environment laws.
23. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Wheel washing facility should be installed and used,
24. The mining operations are to be done uniformly and in a systematic manner.
25. Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining to be planted preferably of indigenous species. Each EC holder should plant and maintain for lease period at least 10 trees per hectare in area near lease.

*W. S. Chaudhuri*  
*Sub-Divisional Officer*  
*Forest Department*

26. No mining lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act. 1980 and the rules made there under.
27. Protection of turtle and bird habitats shall be ensured.
28. Spring sources should not be affected due to mining activities. Necessary Protection measures are to be incorporated.
29. Removal, stacking and utilization of top soil in mining are should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacterial organism should not die and should be spread nearby area.
30. No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope.
31. No extraction of stone / boulder / sand in landslide prone areas.
32. Dumping of waste shall be done in earmarked places as approved in Mining Plan.
33. Rubbish burial shall not be done in the Rivers.
34. The EC holder shall take all possible precautions for the protection of environment and control of pollution.
35. Effluent discharge, If any, should be kept to the minimum and it should meet the standards prescribed.
36. Mining shall not be undertaken in a mining lease located in 500 meter of bridge, 200 meter upstream and downstream of water supply scheme, 200 meters from the edge of National Highway and railway line. 100 meters from a reservoir canal/irrigation scheme or building, 50 meters from the edge of State Highway and 30 meter from, the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee.
37. Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archeological importance.
38. Vehicles used for transportation of sand are to be permitted only with of fitness and PUC Certificates.
39. Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
40. Project Proponent shall ensure that the road is not damaged due to the transportation of the mineral. If report of damage is received, then a suitable compensation as enumerated by the PWD, will become payable.
41. No stacking allowed on road side along National Highways.
42. The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and complete this work before abandonment of mine.


  
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43. Restoration, reclamation and rehabilitation in cluster should be done systematically and jointly by each EC holder in that cluster. This should be appropriately reflected as EC condition in each EC in cluster.
44. Site specific plan with eco-restoration should be in place and implemented.
45. Health and safety of workers should be taken care of.
46. The Project Proponent shall make arrangement for drinking water, first aid facility (along with species specific anti-venom provisioning) in case of emergency for the workers.
47. Project Proponent shall implement the Disaster Management Plan because the mine lease area is located in Seismic Zone. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels.
48. Project Proponent shall appoint an Occupational Health Specialist for Regular and periodical medical examination of the workers engaged in the Project and records maintained. Also. Occupational health check —ups for workers having some ailments like BP diabetes , habitual smokers, etc. shall be undertaken once in six months and necessary remedial/ preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted.
49. The Project Proponent shall report monitoring data on replenishment, traffic management, levels of production River Bank erosion and maintenance of Road etc.
50. After receiving Environmental Clearance (EC) consent to operate (CTO) from Tripura State Pollution Control Board is mandatory.
51. The Proponent shall submit half-yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the Tripura State Pollution Control Board and also SEIAA/SEAC, Secretariat and Parivesh Portal, on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
52. The SEIAA/SEAC, Tripura reserves the right to stipulate additional conditions, if found necessary.
53. If any of the above condition is found to be violated by the proponent, EC may be withdrawn by SEIAA, Tripura without any notice.

All the reports and data pertaining to the terms and condition stated above shall be submitted to the Member-Secretary, SEIAA for needful action by supervising authorities/committees/regulators.

**NOTE:** As decided by the SEAC, Tripura in the 4<sup>th</sup> meeting condition No: 37 of Sand mining EC has been omitted —“For carrying out mining in proximity to any bridge or embankment, appropriate safety zone (not less than 400 meters) should be worked out on case to case basis, taking into account the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out”. In view of the above there are now 53 conditions for Sand Mining EC.

*Shriar Roy Chaudhury*  
*Secretary*  
*SEIAA*

## 2: Brick Mining Proposal

The following 02(two) proposals of Brick Kilns are placed for recommendation for issuance of Environmental Clearance:

Sl No	Block ID	Project Name & Proposal Number	Proponent Name	Plot No. (Mining Plot)	Area in Acre	Capacity Cum/annum	P.S	Mouza Name	District	Latitude	Longitude
1	SP-BR-71	Maa Manasa Bricks Industries SIA/TR/MIN/288161/2022	Tapan Chandra Das	1642,1643, 1646,1647, 1648,1649, 1761, 1763	4.68	18939	Sonamura	Bordowal	Sepahijala	23°30'15.31"N	91°17'27.14"E
2	UMT/WT/B R-003	Maa Durga Bricks Industry SIA/TR/MIN/286302/2022	Shibajit Roy	7981,7982, 7983,7984, 7989,7990, 7991,7994, 7995	5.27	21336	Jirania	Bankim nagar	West Tripura	23°49'38.42"N	91°26'55.69"E

The following guidelines will be applicable for all the **02 numbers of Brick Kiln** project proposals for issuance of the Environmental Clearance Certificate with a validity of **5 years** w.e.f date of issue:

1. The Project Proponent should have valid Short Term Mining Lease (STML) and all the permits are necessary before borrowing/extracting brick earth.
2. All the provisions made and restrictions imposed in the Tripura Minor Minerals Concession Rules, 2014 shall be complied with, particularly regarding Environment Management Practices and its fund management and Payment of compensation to the land owner, if any.

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3. Instead of straight cutting, the mining of brick earth shall be done with a slope 1:3 ratio for minimizing soil erosion of the agricultural land.
4. The borrowing/excavation activity shall be restricted to a maximum depth of 2m below general ground level at the mining lease area.
5. The borrowing/excavation activity shall be restricted to 2m above the ground water level at the mining lease area.
6. In case of mining in River flood plain, a buffer of 3 m to be left from the River bank.
7. A minimum distance of 15m from any civil structure shall be kept from the periphery of the excavation area.
8. A berm shall be left from the boundary of adjoining field having a width 7.5 meter of the proposed Mining area.
9. Mining shall be done in such a way to avoid ponding effect. The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
10. The Proponent shall submit half-yearly compliance reports as per the stipulated environmental clearance terms and conditions on 1st June and 1st December of each calendar year to the Regulatory Authority. Accordingly, the proponent shall submit two copies of half-yearly compliance report addressed to the Member Secretary, Tripura State Pollution Control Board and also have to upload the compliance report online through the Parivesh Portal (<http://parivesh.nic.in/>)
11. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent the mishap.
12. To maintain safety and stability of bank of any water body including river. 3m or 10% of the width of the same, whichever is more, will be left intact as 'No Mining Zone'.
13. No stream should be diverted for the purpose of brick earth mining/borrowing. No natural water course and/or water resources should be obstructed due to such mining operations.
14. The activities associated with borrowing/extraction of brick earth and ordinary earth shall not involve blasting.
15. The method of brick earth mining shall be manual.
16. Mining should be done only in area identified in the District Survey Report (DSR) suitable for mining and so certified by the SDM/SEAC/Authorized Consultant (MOEF &CC).
17. Mining should begin only after pucca pillar marking of the boundary of lease area is erected at the cost of the lease holder after certification by the SDM/SEAC/Authorized Consultant (MOEF &CC) and its geo coordinates are made available to the District Survey Report (DSR).
18. The EC holder shall keep a correct account of quantity of brick earth mined out, dispatched from the mine, mode of transport, registration number of vehicle, engaged person in charge of vehicle and mine plan. This should be produced before officers during inspection.
19. For each mining lease site, the access should be controlled in a way that vehicles carrying brick earth from that area are tracked and accounted for.
20. There should be regular monitoring of the mining activities to ensure effective compliance of stipulated EC conditions and of the provisions laid down under the Tripura Minor Mineral Concessions Rules, 2014.
21. Noise arising out of mining activities shall be abated and controlled at source to keep within permissible limit.
22. No brick earth mining shall be allowed in rainy season.
23. The mining operation shall be carried out in daytime only in non-rainy season.
24. The pollution due to transportation on the environment shall be effectively controlled and water sprinkling shall also be done regularly in the periphery of mining area & brick field.
25. The Project Proponent should be submitted Ground Water Clearance from (CGWA) within 6 Months from the dated of received EC certificate.
26. Air Pollution due to dust, exhaust emission or fumes during mining and processing phase shall be controlled and kept in permissible limits specified under environmental laws.

*Sharon Roy Chaudhuri*  
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27. The transportation of brick earth shall be carried out through covered trucks only and the vehicles carrying the brick earth shall not be overloaded at any cost. Wheel washing facility should also be installed and used.
28. The mining operations are to be done in a systematic manner so that the operations shall create a major visual impact on the site.
29. Restoration of flora affected by mining shall be done immediately. Twice the number of trees destroyed by mining to be planted preferable of indigenous species. EC holder should plan and maintain for lease period at least 25 trees per hectare in area within lease boundary.
30. Protection of turtle and bird habitats, if any, shall be ensured.
31. Spring sources shall not be affected due to mining activities. Necessary Protection measures are to be incorporated.
32. Removal, stacking and utilization of top soil in mining are should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacteria organism should not die and should be spread nearby area.
33. No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope.
34. No extraction of brick earth in landslide prone areas shall be made.
35. Controlled clearance of riparian vegetation to be undertaken
36. Site clearance and tidiness is very much needed to have less visual impact of mining.
37. No mining lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act, 1980 and the rules made there under.
38. Rubbish burial shall not be dumped in the Rivers or in any water bodies. Dumping of waste, if any, should be done in earmarked places as approved in Mining Plan.
39. All possible precautions shall have to be taken for the protection of environment and control of pollution.
40. Effluent discharge, if any, should be kept to the minimum and it should meet the standard prescribed
41. Mining shall not be undertaken within 150 m upstream and downstream from the central line of any bridge, regulator or similar hydraulic structure and from the end point of bank protection works as per the provision of the Tripura Minor Mineral Concessions Rules, 2014.
42. No mining operation shall be done within 1 km barrage axis or dam on a river unless otherwise permitted by the concerned Executive Engineer, Revenue Officer or authorized officer as per the provision of the Tripura Minor Mineral Concessions Rules, 2014.
43. No mining operation will be allowed within 25 m from any road, public structure, embankment, railway line, bridge, canal, road and public works or buildings as per the provision Tripura Minor Mineral Concessions Rules, 2014.
44. For carrying out mining in proximity to any bridge or embankment, appropriate safety zone (not less than 150 meter) should be worked out on case to case basis, taking into account the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out.
45. Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.
46. Vehicles used for transportation of brick earth are to be permitted only with of fitness and PUC Certificates.
47. Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
48. No stacking allowed on road side along National Highways.
49. The Project Proponent shall undertake phased restoration reclamation and rehabilitation of Land affected by mining and shall complete this work before abandonment of mine.

50. Restoration, reclamation and rehabilitation in cluster should be done systematically and jointly by each EC holder in that cluster/individual. This should be appropriately reflected as EC condition in each EC in cluster/individual.
51. Site specific plan with eco-restoration should be in place and implemented.
52. Health and safety of workers should be taken care of. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
53. Transport of borrowed/excavated earth will not be done through villages/habitations
54. The Project Proponent shall make arrangement for drinking water, sanitation and also first aid facility (along with species specific anti-venom provisioning) in case of emergency for the workers/laborers.
55. Project Proponent must implement the Disaster Management Plan as Tripura falls within Seismic Zone-V. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels.
56. Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also. Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labor for ensuring good occupational environment for mine workers would also be adopted.
57. The Project Proponent shall report monitoring data on replenishment, traffic management, levels of production, River Bank erosion and maintenance of Road etc.
58. After receiving Environmental Clearance (EC) consent to operate (CTO) from Tripura State Pollution Control Board is mandatory.
59. The SEIAA/SEAC, Tripura reserves the right to stipulate additional conditions, if found necessary.
60. If any of the above condition is found to be violated by the proponent, EC may be withdrawn by SEIAA, Tripura without any notice.

  
 Shri. Raj Chaudhuri  
 28/9/2022  
 Director, SEIAA, Tripura

### 3: ONGC

The following 04(four) proposals of ONGC are placed for recommendation for issuance of Environmental Clearance:

#### 1. Location Name : BMSU

#### Online proposal SIA/TR/IND2/238402/2021

"Final Approval" for diversion of 2.652 Hectare of forest land for exploration of hydrocarbon/Natural Gas through Drilling, Wastew pit and DSA for exploratory location BMSU under District Forest Officer, Gomati has been obtained by the project proponent from the Ministry of Environment, Forest & Climate Change, Govt. of India vide letter No.3-TR B 027/2021-SHI/94-95 dated 11/04/2022.

The salient features of the Drilling and exploratory location BMSU at Lailakbari, Killa Tehsil, Gomati District are as follows

1	Name of the Proponent	M/s Oil and Natural Gas Corporation Limited (ONGC), Tripura Asset, Badharghat Complex, Agartala, 799014.
2	Project Title	"Drilling of exploratory location BMSU" falling at Lailakbari, Killa Tehsil, Gomati District
3	Dag No.	Dag No:175
4	Forest status	Reserve Forest (RF)
5	Area of Drilling and exploratory location ADAS	2.652 Ha
6	Location of the project	Uttar Baramura, Devtamura RF, Gomati
7	Coordinates of the Drilling and exploratory location ADAS	latitude (N):23°39'17.735", longitude (E): 91°34'47.748"
8	Duration of Drilling	Approx 2-3 months
9	Quantity of water consumption	25M <sup>3</sup> /day
10	Quantity of drilling waste water	15-20M <sup>3</sup> /day
11	Type of rig	Electrical rig
12	Power generator type & nos.	AC-SCR Type (06 Nos.)
13	Diesel Consumption	@ 6 M <sup>3</sup> / day
14	Quantity of fresh water requirement & source	1000 M3 transported from nearby source through Contractor

15	Details of solids handling system on rig	Shale Shakers-1200 GPM Capacity Dsander-1200 GPM Capacity Desilter-1200 GPM Capacity
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**2. Location Name : SDAH**

**Online proposal No: No:SIA/TR/IND2/234507/2022**

"Final Approval" for diversion of **2.978** Hectare of forest land for construction of drill site, waste pit and approach road leading to drill site at location **SDAH of mouja- Chandul** under District Forest Officer, Sepahijala has been obtained by the project proponent from the Ministry of Environment, Forest & Climate Change, Govt. of India vide letter No.3-TR B 047/2021-SHI/1068-69 dated 05/07/2022.

The salient features of the Drilling and exploratory location SDAH at Tichna PML Kamrangatali Tehsil, Chandul, Sepahijala are as follows

1	Name of the Proponent	M/s Oil and Natural Gas Corporation Limited (ONGC), Tripura Asset, Badharghat Complex, Agartala, 799014.
2	Project Title	"Drilling of exploratory location SDAH" falling in Tichna PML Kamrangatali Tehsil, Chandul, Sepahijala
3	Dag No.	Dag No:1514,1764
4	Forest status	Reserve Forest (RF)
5	Area of Drilling and exploratory location ADAS	2.978 Ha
6	Location of the project	Kamrangatali Tehsil, Chandul, Sepahijala
7	Coordinates of the Drilling and exploratory location ADAS	latitude (N):23°27'49.19", longitude (E): 91°21'12.24"
8	Duration of Drilling	Approx 2-3 months

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*W. N. Chatterjee*  
*Shyam*

9	Quantity of water consumption	25M <sup>3</sup> /day
10	Quantity of drilling waste water	15-20M <sup>3</sup> /day
11	Type of rig	Electrical rig
12	Power generator type & nos.	AC-SCR Type (06 Nos.)
13	Diesel Consumption	@ 6 M <sup>3</sup> / day
14	Quantity of fresh water requirement & source	1000 M3 transported from nearby source through Contractor
15	Details of solids handling system on rig	Shale Shakers- 1200 GPM Capacity Dsander- 1200 GPM Capacity Desilter- 1200 GPM Capacity

### 3. Location Name : SDAT

**Online proposal No: No:SIA/TR/IND2/280605/2022**

The salient features of the Drilling and exploratory location SDAT at Tichna PML at Shighati, Kakraban Tehsil, Gomati are as follows

1	Name of the Proponent	M/s Oil and Natural Gas Corporation Limited (ONGC), Tripura Asset, Badharghat Complex, Agartala, 799014.
2	Project Title	"Drilling of exploratory location SDAT" falling in Tichna PML at Shighati, Kakraban Tehsil, Gomati
3	Plot No.	3030/p,3031/p, 3330/p
4	Area of Drilling and exploratory location ADAS	1.8575 Ha
5	Land Type	Non- Forest
6	Location of the project	Shilghati, Kakraban Tehsil, Gomati
7	Coordinates of the Drilling and exploratory location ADAS	latitude (N):23°30'8.143", longitude (E): 91°22'56.117"
8	Duration of Drilling	Approx 2-3 months

9	Quantity of water consumption	25M <sup>3</sup> /day
10	Quantity of drilling waste water	15-20M <sup>3</sup> /day
11	Type of rig	Electrical rig
12	Power generator type & nos.	AC-SCR Type (06 Nos.)
13	Diesel Consumption	@ 6 M <sup>3</sup> / day
14	Quantity of fresh water requirement & source	1000 M3 transported from nearby source through Contractor
15	Details of solids handling system on rig	Shale Shakers-1200 GPM Capacity Dsander-1200 GPM Capacity Desilter-1200 GPM Capacity

**4. Location Name : BRMAL**

**Online proposal No: No:SIA/TR/IND2/281075/2022**

The salient features of the Drilling and exploratory location **BRMAL** at Pitra Village, Gomati are as follows

1	Name of the Proponent	M/s Oil and Natural Gas Corporation Limited (ONGC), Tripura Asset, Badharghat Complex, Agartala, 799014.
2	Project Title	"Drilling of exploratory location <b>BRMAL</b> " falling in West Tripura PML, near Pitra Village, Gomati
3	Land Type	Non- Forest
4	Land Possession	Undertaking
5	Area of Drilling and exploratory location ADAS	1.8575 Ha
6	Location of the project	Pitra Village, Gomati
7	Coordinates of the Drilling and exploratory location ADAS	latitude (N):23°33'20.493", longitude (E): 91°32'02.215"
8	Duration of Drilling	Approx 2-3 months
9	Quantity of water consumption	25M <sup>3</sup> /day
10	Quantity of drilling waste water	15-20M <sup>3</sup> /day

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11	Type of rig	Electrical rig
12	Power generator type & nos.	AC-SCR Type (06 Nos.)
13	Diesel Consumption	@ 6 M <sup>3</sup> / day
14	Quantity of fresh water requirement & source	1000 M3 transported from nearby source through Contractor
15	Details of solids handling system on rig	Shale Shakers-1200 GPM Capacity Dsander-1200 GPM Capacity Desilter-1200 GPM Capacity

The following guidelines will be applicable for the exploratory project proposals for issuance of the Environmental Clearance Certificate with a validity of **5 years** w.e.f date-of issue:

**Specific Conditions :**

- 1) Consent to Establish/Operate for the project shall be obtained from the Tripura State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- 2) As proposed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit.
- 3) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB guidelines.
- 4) The power requirement of the drilling rig will be met by using the diesel generator sets. The D.G sets shall be provided with acoustic enclosures and adequate stack height and design as per CPCB norms. The fuel used for the diesel generator sets should be low sulphur diesel and should conform to relevant Rules prescribed for air and noise emission standards.
- 5) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- 6) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.

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- 7) Ambient air quality shall be monitored at the nearest human settlements as per the national Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) dated 16<sup>th</sup> November, 2009 for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, CH<sub>4</sub>, HC, Non-methane HC etc.
- 8) The water requirement per well location is estimated to be 25 cum/day proposed to be met mostly through tankers and/or nearby existing source of water. Waste water generated would be 15 cum/day during drilling operations, out of which 10 cum/day is proposed to be recycled after treatment to the desired extent. Remaining of about 5 cum/day shall be discharged to HDPE lined evaporation pit, available at site and then solar dried.
- 9) The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
- 10) Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to Hazardous Waste Management & Handling (HWMH) Rules, 2016. No effluent/drilling mud/drill cutting shall be discharged/discharged off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30<sup>th</sup> August, 2005.
- 11) Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.
- 12) The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be stored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum regulations.
- 13) Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to Tripura State Pollution Control Board on monthly basis.
- 14) At least 2% of the total Cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) and used for installation of RO plant for drinking water supply and solar panels in nearby villages. Implementation of such program shall be ensured accordingly in a time bound manner.

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- 15) Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.
- 16) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 17) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
- 18) The company shall develop a contingency plan for H<sub>2</sub>S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H<sub>2</sub>S detectors in locations of high risk of exposure along with self-containing breathing apparatus.

**General Conditions:-**

- 1) The project authorities must strictly adhere to the stipulations made by the Tripura State Pollution Control Board, State Government and/ or any other statutory authority.
- 2) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Tripura. In case of expansion or alterations in the project activities, a proposal shall be made to the SEAC, Tripura to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 3) During Drilling process inspection will be conducted by SEAC.
- 4) The locations of ambient air quality monitoring stations shall be decided in consultation with the Tripura State Pollution Control Board.
- 5) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be complied with.
- 6) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 viz. 75 dBA (day time) and 70 dBA (night time).
- 7) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operation, within the plant.


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- 8) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- 9) The company shall undertake all measures for improving socio-economic conditions or the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-development measures shall be undertaken for overall improvement of the environment.
- 10) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 11) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- 12) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban local Body and the local NGO. If any, from whom suggestions/ representations, if any, were received while processing the proposal.
- 13) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Tripura State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- 14) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the Tripura State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company/organisation along with the status or compliance of environment clearance conditions.
- 15) The project proponent shall inform the public that the project has been accorded environmental clearance from the SEIAA, Tripura. This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Tripura State Pollution Control Board.
- 16) The SEIAA, Tripura may revoke or suspended the environmental clearance, if implementation of any of the above conditions is not satisfactory.

  
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17) The above conditions will be enforced, inter-alia under the provisions of the Water Prevention & Control of Pollution Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

18) The SEIAA, Tripura reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

**Recommended & Approved by**

*Umesh Mishra*  
28/09/2022

Prof. Umesh Mishra,  
Chairman, SEAC, Tripura

*Arjun Kumar De*  
28/09/22

Dr. Arjun Kumar De  
Member, SEAC, Tripura

*Saikat Das Sharma*  
28/09/22

Dr. Saikat Das Sharma  
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Prof. Shaon Ray Choudhuri, 28/9/2022  
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*Mihir Kr Das*  
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Member Secretary, SEAC,  
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*Y. V. V. Krishnaiah*  
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Dr. Y. V. Krishnaiah  
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