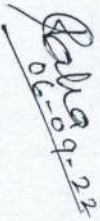


MINUTES OF THE 2ND MEETING OF STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA), TRIPURA HELD ON 06TH SEPTEMBER, 2022 AT THE OFFICE CHAMBER OF DIRECTOR, SCIENCE, TECHNOLOGY & ENVIRONMENT DEPT, P.N.COMPLEX, AGARTALA, WEST TRIPURA.

The 2nd meeting of State Level Environment Impact Assessment Authority (SEIAA), Tripura held on 06th September, 2022 at the Office Chamber of Director, Science, Technology & Environment Deptt, P.N. Complex, Agartala, West Tripura under the Chairmanship of Dr. Jaharlal Saha, Chairman, SEIAA. The following members were present:

1. Dr. Jaharlal Saha, Chairman, SEIAA
2. Shri Animesh Das, Member Secretary, SEIAA
3. Dr. Sabyasachi Dasgupta, Member, SEIAA

A total of 16 (sixteen) numbers of sand mining plans and 03 (three) numbers of brick kilns approved by Forest Department of Tripura were came up for Environmental Clearance in Meeting of SEAC on 25th July, 2022. After scrutiny of all the 19 numbers of applications along with the documents, SEAC recommends to SEIAA for EC (Environmental Clearance) vide letter No.F.8(25)/TSPCB/SEAC/2022/940 dated 08/08/2022.


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The following 16(sixteen) proposals of Sand Mines and 03(three) 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	P.S	Mouza Name	District	Latitude	Longitude
1.	AI/SAND/K W1/B1/001	M/S Pintu Dey Sand SIA/TR/MIN/279 378/2022	Pintu Dey	1660(P), Stock Plot: 1664,1665,1668, 1669, 1673,1673/3078	0.23	Teliamura	Teliamura R.F	Khowai	23°47'26.05"N	91°38'24.04"E
2.	GMT-75	M/s Sanjib Kumar Deb Sand SIA/TR/MIN/279 395/2022	Sanjib Kumar Deb	854(P), Stock Plot: 720(P)	0.31	R.K.Pur	Fulkumari	Gomati	23°31'57.12"N	91°30'24.27"E
3.	KHOW-68	M/s Tapan Sand SIA/TR/MIN/273 501/2022	Tapan Chandra Das	612(P), Stock Plot: 618	1.52	Kalyanpur	Uttar Gihlatali	Khowai	23°56'59.50"N	91°37'49.07"E
4.	SIA/TR/MIN /249446 /2022	M/s Sahadeb Das Sand SIA/TR/MIN/278 545/2022	Sahadeb Das	8767(P), Stock Plot:8708/9157	0.63	Belonia	Kalabaria	South Tripura	23°15'42.41"N	91°31'25.95"E
5.	GMT-90	M/s Swapan Sand SIA/TR/MIN/279 162/2022	Swapan Chaudhuri	2144(P), Stock Plot:2068	1.55	Radhakishor Pur	Lakshipati	Gomati	23°31'51.38"N	91°34'10.60"E
6.	KHOW-67	M/s Padma Mohan Sand SIA/TR/MIN/277 578/2022	Padma Mohan Debbarna	36(P), Stock Plot:40,41	3.20	Kalyanpur	Maharanipur	Khowai	23°56'22.96"N	91°40'00.74"E
7.	DH-127	M/S Supriya Gope Sand SIA/TR/MIN/275 899/2022	Supriya Gope	1730(P), Stock Plot:1703,1704	0.79	Kamulpur	Kamulpur	Dhalai	24°11'36.86"N	91°50'01.98"E
8.	UNA-84	M/s Parijat Sand SIA/TR/MIN/285 040/2022	Parijat singha	89(P), Stock Plot- 264	1.53	Kailashahar	Bilashpur	Unakoti	24°16'07.37"N	92°01'29.84"E
9.	UNA-87	M/s Sajal Sand SIA/TR/MIN/284 452/2022	Sajal Debnath	4243(P), Stock Plot:4245	0.92	Fatikroy	Purba Ratacherra	Unakoti	24°09'55.22"N	92°01'22.73"E

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11	UNA-89	M/s Dipu Rani Sand SIA/TR/MIN/284 405/2022	Dipu Rani Debbarna	255(P), Stock Plot:285	0.84	Kailashahar	Dhanbilash	Unakoti	24°13'02.21"N	91°58'43.00"E
12	UNA-91	M/s Sawachi Sand SIA/TR/MIN/284 229/2022	Bikash Sawachi	517(P), Stock Plot- 1110/43042, 11178,1118,1119	0.82	Kailashahar	Chantail	Unakoti	24°16'53.39"N	91°58'46.14"E
13	UNA-85	M/s 3 IN 1 Sand SIA/TR/MIN/283 558/2022	Partner- Aminul Haque & Others	3341(P), Stock Plot- 3220/4640	1.45	Kailashahar	Chantail	Unakoti	24°17'46.52"N	92°00'07.47"E
14	UNA-90	M/s Choudhury Sand SIA/TR/MIN/283 294/2022	Suhael Ahmed Choudhury	8362(P), Stock Plot- 4(P)	0.92	Kailashahar	Chantail	Unakoti	24°18'20.58"N	91°59'40.14"E
15	UNA-83	M/s Biswajit Sand SIA/TR/MIN/282 964/2022	Biswajit Sinha	8361(P), Stock Plot- 3208	1.05	Kailashahar	Chantail	Unakoti	24°17'49.19"N	92°00'08.65"E
16	UMT/UN-003	M/s Riaz Uddin Sand Block SIA/TR/MIN/281 481/2022	Riaz Uddin	214(P), Stock Plot- 1145/3469	1.59	Kumarghat	Purba Kanchanbari	Unakoti	24°08'54.67"N	92°00'56.28"E
17	GNT-46	M/s Tapan Sand SIA/TR/MIN/281 287/2022	Tapan Shil	6554(P), Stock Plot- 5304	0.80	Kakrabon	Jitendra Nagar	Gomati	23°25'50.45"N	91°26'34.49"E

The following guidelines will be applicable for all the 16 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.

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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.
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.

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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.
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.

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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. 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 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.
38. 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.
39. Vehicles used for transportation of sand are to be permitted only with of fitness and PUC Certificates.
40. 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.
41. 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.
42. No stacking allowed on road side along National Highways.
43. The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and complete this work before abandonment of mine.
44. 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.
45. Site specific plan with eco-restoration should be in place and implemented.
46. Health and safety of workers should be taken care of.
47. 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.
48. 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.
49. 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

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accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted.

50. The Project Proponent shall report monitoring data on replenishment, traffic management, levels of production River Bank erosion and maintenance of Road etc.

51. After receiving Environmental Clearance (EC) consent to operate (CTO) from Tripura State Pollution Control Board is mandatory.

52. 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 1st June and 1st December of each calendar year.

53. The SEIAA/SEAC, Tripura reserves the right to stipulate additional conditions, if found necessary.

54. 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.

The following 03(three) 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	P.S	Mouza Name	District	Latitude	Longitude
17	UMT/WT/B R-002	M/s Radha Krishna Bricks (Unit-II) SIA/TR/MIN/2 84961/2022	Utam Kumar Ghosh & Others	1331, 1332, 1335, 1336, 1337, 1338, 1339, 1340, 1376, 1377, 1378, 1379	3.22	Jirania	Purba Barjala	West Tripura	23°49'42.83"N	91°27'49.85"E
18	UMT/WT/B R-004	M/s Kalimata Bricks Industries	Pradip Das & Others	9009, 9010, 9033, 9034,	2.28	Jirania	Purba Barjala	West Tripura	23°50'05.01"N	91°28'12.34"E

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	SIA/TR/MIN/2 84954/2022		9043, 9046, 9047							
19	UMT/ST/B R-001	M/s Parbati Bricks Industries SIA/TR/MIN/2 84177/2022	Dipankar Bhowmik & Others	368, 371, 437, 441, 444, 450	370, 435, 438, 442,	3.00	Belonia	Madhya Bharatchan dranagar	South Tripura	23°18'16.91"N 91°29'07.34"E

The following guidelines will be applicable for all the **03 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:

- The Project Proponent should have valid Short Term Mining Lease (STML) and all the permits are necessary before borrowing/extracting brick earth.
- 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.
- 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.
- The borrowing/excavation activity shall be restricted to a maximum depth of 2m below general ground level at the mining lease area.
- The borrowing/excavation activity shall be restricted to 2m above the ground water level at the mining lease area.
- In case of mining in River flood plain, a buffer of 3 m to be left from the River bank.
- A minimum distance of 15m from any civil structure shall be kept from the periphery of the excavation area.
- A berm shall be left from the boundary of adjoining field having a width 7.5 meter of the proposed Mining area.
- 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).
- 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/>)
- Appropriate fencing all around the borrowed/excavated pit shall be made to prevent the mishap.
- 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'.
- 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.

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4. 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.
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.

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47. 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.
48. 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

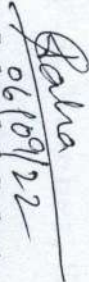
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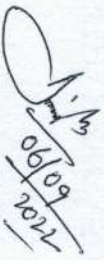
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- 57. smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labor for ensuring good occupational environment for mine workers would also be adopted. 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.

Approved by SEIAA on recommendations of SEAC


 06/09/22
(Dr. Jaharal Saha)
 Chairman, SEIAA


 06/09/2022
(Dr. Sabhyasachi Dasgupta)
 Member, SEIAA


 06/09/2022
(Animesh Das, IAS)
 Director, Department of Science, Technology
 and Environment
 & Member Secretary, SEIAA