

State Expert Appraisal Committee (SEAC)

Minutes of 418th meeting of the State Expert Appraisal Committee (SEAC) held on 19.10.2023 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building and Construction projects and Metallurgical Industries (Ferrous & Non-Ferrous) projects.

Confirmation of Earlier Minutes

The minutes of the 417th SEAC meeting held on 18.10.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 418- 01

(File No: 10370/2023)

Proposed Expansion of Steel Melting Shop & Steel Rolling Mill in the existing unit at S.F.No. 15/1A, 15/3A, 15/2,1 5/4, 15/6, 15/7, 15/9, 15/8, 15/5, 15/1B, 15/3B, 14/4, 14/3, 14/2, 14/1A, 12/2 of Periyapuliur Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by M/s. Pashupati Metallics - For Terms of Reference.


(SIA/TN/INDI/437200/2023, Dated:19.07.2023)

The proposal was placed in the 418th SEAC Meeting held on 19.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Pashupati Metallics has applied for Terms of Reference for the Proposed Expansion of Steel Melting Shop & Steel Rolling Mill in the existing unit at S.F.No. 15/1A, 15/3A, 15/2,1 5/4, 15/6, 15/7, 15/9, 15/8, 15/5, 15/1B, 15/3B, 14/4, 14/3, 14/2, 14/1A, 12/2 of Periyapuliur Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.
2. The project activity is covered under Category "B1" of Item 3(a) "Metallurgical Industries (Ferrous & Non-Ferrous)" of the Schedule to the EIA Notification, 2006.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.


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Agenda No: 418- 02

(File No: 10377/2023)

The Existing Hospital Building with Doctor's Quarters & Medical Store with a Built-up Area of 33560.86 sq.m (Under Violation) at S.F.No. 3/6(P),3/7(P),3/8,3/9,3/11, 6/1,6/7A and 6/7B Ward No:K (11) Block No:1 Mettupalayam Road, Sanganur Village, Coimbatore Corporation, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Ganga Medical Centre and Hospital Private Limited - For Terms of Reference Under Violation. (SIA/TN/INFRA2/441986/2023, Dated:28.08.2023)

The proposal was placed in the 418th SEAC Meeting held on 19.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Ganga Medical Centre and Hospital Private Limited has applied for Terms of Reference Under Violation for the Existing Hospital Building with Doctor's Quarters & Medical Store with a Built-up Area of 33560.86 sq. m at S.F.No. 3/6(P),3/7(P),3/8,3/9,3/11,6/1,6/7A and 6/7B Ward No:K (11) Block No:1 Mettupalayam Road, Sanganur Village, Coimbatore Corporation, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.
2. The project activity is covered under Category "B1" of Item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

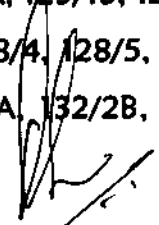
Agenda No: 418 - 03

File.No.10398/2023

Expansion of high-rise residential building at S.F.Nos.108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1CIA, 111/1CIB, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1,


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133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 of Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamil Nadu by M/s. Casagrand Magnum Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/443505/2023, Dated: 08.09.2023)

The proposal was placed in the 418th SEAC meeting held on 19.10.2023. The details of the project furnished by the proponent are available in the website. (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M/s. Casagrand Magnum Private Limited has applied for Environmental Clearance for the Expansion of high-rise residential building at S.F.Nos.108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1CIA, 111/1CIB, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 of Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamil Nadu.
2. The project activity is covered under Category "B1" of Item 8(b) "Township & Area Development projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, ToR obtained Vide Letter No.SEIAA-TN/F.No.9420/SEAC/ToR-1266/2022 Dated:03.10.2022.
4. Earlier, EC obtained Vide Lr. No.SEIAA-TN/F.No.9420/EC.No:926/2023,dated :03.04.2023.

The SEAC noted that the project proponent has requested to defer the proposal. Hence the subject was not taken up for discussion and the committee deferred the proposal.

Agenda No: 418 - 04

File.No.9738/2023

Proposed Expansion of TATA Electronics Private Limited (Manufacturing & Assembly of metal case for mobile phones - 3 Lakh No's/Day) with total built-up area of 5,57,470 Sq. m located at SF. Nos: 312/1E, 312/2A, 324/1A, 324/2D, 324/2B, 324/2C, 312/2D2, 323/3, 326/1A, 327/1C, 326/1C, 311/1B, 311/1C, 312/1C, 312/2D1, 313/3F, 312/1A,

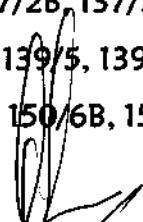

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312/1B, 312/1d, 313/4A, 322/2B, 313/1E, 313/3C, 313/3D, 313/1C, 313/3B, 313/1C, 322/3A, 322/3C, 313/1A, 313/3A, 313/1B, 313/3E, 313/1F, 322/1A, 322/1B, 322/2A, 313/3G, 313/4B, 322/1D, 320/1, 320/3C, 321/1C, 320/3A, 321/1A, 322/2E, 324/2C, 320/3B, 321/1B, 320/A, 321/3, 323/1, 322/2C, 322/2D, 322/3B, 322/3E, 322/3F, 324/2A, 322/3G, 324/2B, 323/2, 324/3, 325/1A, 325/1B, 325/2, 313/1D, 326/1B, 327/1F, 326/1D, 326/1E, 327/1E, 309/2D, 316/1D, 314/3A3, 314/1B, 314/1A, 314/3A1, 315/5, 308/1A, 308/1C, 319/1B, 308/1B, 308/2, 309/1A, 309/1B, 309/2B, 309/2A, 311/1E, 314/3A2, 309/2C, 311/1D, 309/2E, 310/1A, 310/1B, 310/1C, 310/2, 311/1A, 311/1F, 311/3B, 311/3A, 311/3C, 314/3B, 317/1D, 317/1E, 315/3, 315/1A, 315/1D, 315/4A, 315/4B, 316/1E, 316/2B, 316/2C, 316/2D, 316/3I, 316/3B, 316/3C, 316/3F, 317/1C, 317/2A1, 317/2A3, 317/2B, 319/1A, 315/1B, 315/1C, 316/1A, 316/1B, 316/2A, 316/3G, 318/1A, 318/1B, 318/1C, 318/2, 318/3A, 318/3B, 315/1E, 315/4C, 316/1F, 316/3D, 317/1B, 315/4D, 316/1C, 317/1A, 317/2A2, 317/2A4, 317/2A5, 314/1B1, 13/4A1(P), 13/5A1, 13/5A2(P), 14/1A, 14/1B, 14/1C(P), 14/2A, 14/2B, 14/2C, 14/2D, 14/3A, 14/3B, 14/3C(P), 14/3D(P), 15/1A(P), 16/7A(P), 16/7B(P), 16/8(P), 17/2, 17/3A(P), 17/3B, 18/1, 18/2B, 20, 324/1B, 326/2, 327/1A, 327/1B, 327/1D, 328/2, 332/4, 21/1A, 21/1B, 21/1C, 21/1D, 21/1E, 21/1F, 21/1G1, 21/2A, 327/3, 332/2, 328/3, 328/1, 328/4, 15/6B, 13/1B, 15/5, 15/6A1, 311/2, 313/2, 314/2, 315/2, 319/2, 320/2, 321/2, 326/3, 327/2, 328/5, 332/1, 332/5 of Thimjepalli Village, 143/2A, 143/1A, 143/1B, 143/1C, 148/4A, 148/4B, 141/6, 141/4C, 141/5C, 143/2B, 143/3, 144/1, 147/1B, 147/1A, 148/3, 134/1A, 134/1B, 134/2, 135/1, 135/2, 136/1C, 136/3B, 136/3C, 136/3D, 136/4A, 136/4B, 136/4C, 141/1B, 141/1C, 141/1D, 141/4A, 141/4B, 141/5A, 141/5B, 142/1A, 142/1B, 142/1C, 142/2, 142/3, 142/4, 141/7, 148/1, 148/3A, 161/1A, 161/1B, 161/1C, 161/3, 161/4A, 161/4B, 161/5A(P), 161/5B, 161/6A, 161/6B, 161/7, 161/8, 162/1, 162/2, 170/1A, 170/1B, 171/2A1, 171/2A2, 171/2A3, 171/2A4, 171/2A5, 172/1A, 172/1B, 171/1A, 172/1C, 172/1E, 172/3, 172/5A, 173/1, 173/3, 174/1A(P), 174/1B, 174/1C, 174/1D, 174/1E, 174/1F, 174/1G, 174/2(P), 174/3, 175/1, 180/2A, 180/2B, 180/3, 181/2A, 181/2B, 183/1, 183/2, 183/3, 183/4, 100/1B, 100/1C, 100/2A1B, 100/2A2A, 98/3, 98/4, 99/2, 112/2A, 112/2B, 112/3A, 112/3B, 113/1, 113/2, 113/3, 113/4, 114/2, 114/3A, 114/3B, 137/2A, 137/2B, 137/3, 137/4A, 137/4B, 138/1, 138/2, 138/4A, 138/4B, 138/5, 138/6, 139/2, 139/3, 139/5, 139/6, 139/9, 140/2, 140/4, 144/3, 144/4, 146/2A, 146/2B, 146/3, 146/4, 150/6A, 150/6B, 151/1, 152/1,


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152/2, 152/4, 155/1, 155/2, 155/3, 156/1, 156/2, 157/1, 157/2, 157/3A, 157/3B, 157/3C, 157/3D, 157/3E, 158/2B2, 138/1, 137/7, 140/3, 180/4, 137/5, 139/10, 137/6, 140/7, 139/7, 172/1D, 172/2(P), 172/4A2(P), 172/4A1, 172/5B, 172/4A3, 172/6, 172/2(P), 172/4A2(P), 172/4B, 136/2, 141/2, 146/1, 144/2, 147/2, 148/2, 150/2, 137/1, 138/3, 140/1, 149/1, 151/2, 151/3, 152/3, 172/7, 174/4, 174/5, 175/2, 180/5, 181/1, 139/1, 150/4, 150/5, 140/5, 136/1A, 136/1B, 140/6, 141/3, 141/1A, 136/3A, 139/4, 139/8, 149/2, 149/3, 150/1, 149/4A, 149/4B, 150/3 of Udedurgam Village, 1241/1B, 1241/1C, 1241/2B1, 1241/2B2, 1242/2B(P), 1242/3A2(P), 1238/1B2, 1238/1D, 1238/3A, 1238/3B, 1238/3C, 1242/3A2(P), 124/3B2, 1246/6B, 1248/2 of Ayyaranpalli Village. Denkanikottai Taluk, Krishnagiri District, Tamil Nadu M/s. TATA Electronics Private Limited- For Environmental Clearance. (SIA/TN/INFRA2/444004/2023, Dated: 12.09.2023)

The proposal was placed in the 418th SEAC meeting held on 19.10.2023. The details of the project furnished by the proponent are available in the website. (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M/s. TATA Electronics Private Limited has applied for Environmental Clearance for the Proposed Expansion of TATA Electronics Private Limited (Manufacturing & Assembly of metal case for mobile phones - 3 Lakh No's/Day) with total built-up area of 5.57.470 Sq. m located at SF. Nos: 312/1E, 312/2A, 324/1A, 324/2D, 324/2B, 324/2C, 312/2D2, 323/3, 326/1A, 327/1C, 326/1C, 311/1B, 311/1C, 312/1C, 312/2D1, 313/3F, 312/1A, 312/1B, 312/1d, 313/4A, 322/2B, 313/1E, 313/3C, 313/3D, 313/1C, 313/3B, 313/1C, 322/3A, 322/3C, 313/1A, 313/3A, 313/1B, 313/3E, 313/1F, 322/1A, 322/1B, 322/2A, 313/3G, 313/4B, 322/1D, 320/1, 320/3C, 321/1C, 320/3A, 321/1A, 322/2E, 324/2C, 320/3B, 321/1B, 320/A, 321/3, 323/1, 322/2C, 322/2D, 322/3B, 322/3E, 322/3F, 324/2A, 322/3G, 324/2B, 323/2, 324/3, 325/1A, 325/1B, 325/2, 313/1D, 326/1B, 327/1F, 326/1D, 326/1E, 327/1E, 309/2D, 316/1D, 314/3A3, 314/1B, 314/1A, 314/3A1, 315/5, 308/1A, 308/1C, 319/1B, 308/1B, 308/2, 309/1A, 309/1B, 309/2B, 309/2A, 311/1E, 314/3A2, 309/2C, 311/1D, 309/2E, 310/1A, 310/1B, 310/1C, 310/2, 311/1A, 311/1F, 311/3B, 311/3A, 311/3C, 314/3B, 317/1D, 317/1E, 315/3, 315/1A, 315/1D, 315/4A, 315/4B, 316/1E, 316/2B, 316/2C, 316/2D, 316/31, 316/3B, 316/3C, 316/3F, 317/1C, 317/2A1, 317/2A3, 317/2B, 319/1A, 315/1B,

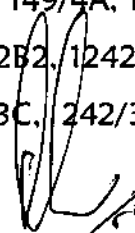

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315/1C, 316/1A, 316/1B, 316/2A, 316/3G, 318/1A, 318/1B, 318/1C, 318/2, 318/3A, 318/3B, 315/1E, 315/4C, 316/1F, 316/3D, 317/1B, 315/4D, 316/1C, 317/1A, 317/2A2, 317/2A4, 317/2A5, 314/1B1, 13/4A1(P), 13/5A1, 13/5A2(P), 14/1A, 14/1B, 141/1C(P), 14/2A, 14/2B, 14/2C, 14/2D, 14/3A, 14/3B, 14/3C(P), 14/3D(P), 15/1A(P), 16/7A(P), 16/7B(P), 16/8(P), 17/2, 17/3A(P), 17/3B, 18/1, 18/2B, 20, 324/1B, 326/2, 327/1A, 327/1B, 327/1D, 328/2, 332/4, 21/1A, 21/1B, 21/1C, 21/1D, 21/1E, 21/1F, 21/1G1, 21/2A, 327/3, 332/2, 328/3, 328/1, 328/4, 15/6B, 13/1B, 15/5, 15/6A1, 311/2, 313/2, 314/2, 315/2, 319/2, 320/2, 321/2, 326/3, 327/2, 328/5, 332/1, 332/5 of Thimjepalli Village, 143/2A, 143/1A, 143/1B, 143/1C, 148/4A, 148/4B, 141/6, 141/4C, 141/5C, 143/2B, 143/3, 144/1, 147/1B, 147/1A, 148/3, 134/1A, 134/1B, 134/2, 135/1, 135/2, 136/1C, 136/3B, 136/3C, 136/3D, 136/4A, 136/4B, 136/4C, 141/1B, 141/1C, 141/1D, 141/4A, 141/4B, 141/5A, 141/5B, 142/1A, 142/1B, 142/1C, 142/2, 142/3, 142/4, 141/7, 148/1, 148/3A, 161/1A, 161/1B, 161/1C, 161/3, 161/4A, 161/4B, 161/5A(P), 161/5B, 161/6A, 161/6B, 161/7, 161/8, 162/1, 162/2, 170/1A, 170/1B, 171/2A1, 171/2A2, 171/2A3, 171/2A4, 171/2A5, 172/1A, 172/1B, 171/1A, 172/1C, 172/1E, 172/3, 172/5A, 173/1, 173/3, 174/1A(P), 174/1B, 174/1C, 174/1D, 174/1E, 174/1F, 174/1G, 174/2(P), 174/3, 175/1, 180/2A, 180/2B, 180/3, 181/2A, 181/2B, 183/1, 183/2, 183/3, 183/4, 100/1B, 100/1C, 100/2A1B, 100/2A2A, 98/3, 98/4, 99/2, 112/2A, 112/2B, 112/3A, 112/3B, 113/1, 113/2, 113/3, 113/4, 114/2, 114/3A, 114/3B, 137/2A, 137/2B, 137/3, 137/4A, 137/4B, 138/1, 138/2, 138/4A, 138/4B, 138/5, 138/6, 139/2, 139/3, 139/5, 139/6, 139/9, 140/2, 140/4, 144/3, 144/4, 146/2A, 146/2B, 146/3, 146/4, 150/6A, 150/6B, 151/1, 152/1, 152/2, 152/4, 155/1, 155/2, 155/3, 156/1, 156/2, 157/1, 157/2, 157/3A, 157/3B, 157/3C, 157/3D, 157/3E, 158/2B2, 138/1, 137/7, 140/3, 180/4, 137/5, 139/10, 137/6, 140/7, 139/7, 172/1D, 172/2(P), 172/4A2(P), 172/4A1, 172/5B, 172/4A3, 172/6, 172/2(P), 172/4A2(P), 172/4B, 136/2, 141/2, 146/1, 144/2, 147/2, 148/2, 150/2, 137/1, 138/3, 140/1, 149/1, 151/2, 151/3, 152/3, 172/7, 174/4, 174/5, 175/2, 180/5, 181/1, 139/1, 150/4, 150/5, 140/5, 136/1A, 136/1B, 140/6, 141/3, 141/1A, 136/3A, 139/4, 139/8, 149/2, 149/3, 150/1, 149/4A, 149/4B, 150/3 of Udedurgam Village, 1241/1B, 1241/1C, 1241/2B1, 1241/2B2, 1242/2B(P), 1242/3A2(P), 1238/1B2, 1238/1D, 1238/3A, 1238/3B, 1238/3C, 1242/3A2(P),


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124/3B2, 1246/6B, 1248/2 of Ayyaranpalli Village. Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.

2. The project activity is covered under Category "B1" of Item 8(b) "Township & Area Development projects" of the Schedule to the EIA Notification, 2006.
3. ToR Issued vide Lr.No.SEIAA-TN/F.No.9738/SEAC/8(b)/ToR-1376/2023 dated:23.02.2023.

The SEAC noted that the EIA Co-ordinator has not attended the meeting. Hence the subject was not taken up for discussion and the committee has deferred the proposal.

Agenda No: 418-05

(File No: 10371/2023)

Proposed expansion of foundry unit at S.F. Nos. 478/1 & 478/2 of Kaniyur Village, Sulur Taluk, Coimbatore District, Tamil Nadu by M/s. V.R. Foundries - Unit II - For Terms of Reference. (SIA/TN/IND1/440138/2023, Dated: 16.08.2023)

The proposal was placed for appraisal in this 418th meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Proponent M/s. V.R. Foundries - Unit II has applied for Terms of Reference for the Proposed expansion of foundry unit at S.F. Nos. 478/1 & 478/2 of Kaniyur Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 3(a) "Metallurgical industries (ferrous & non-ferrous)" of the Schedule to the EIA Notification, 2006.
3. The proposed project involves the capacity enhancement of production of Melting capacity from 28800 TPA to 86400 TPA and Rough Iron Castings from 23040 TPA to 69120 TPA.
4. The proponent had obtained Renewal of Consent from TNPCB vide Consent Order No. 2309254165856 under Air Act and Consent Order No. 2309154165856 under Water Act Dated: 31.07.2023 for the Manufacturing of Cast Iron Rough Castings of production quantity of 2400 Tonnes/Month. The Consent orders were valid up to 31.03.2025.

During the meeting, the Committee noted the following provisions from MoEF&CC's Notifications & O.Ms:


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I. Notification issued by MoEF&CC from time to time

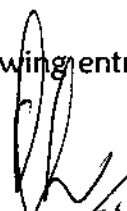
1. As per EIA Notification 2006 S.O. 1533 (E) Dated: 14.09.2006, under 3(a) in the schedule,

(1)	(2)	(3)	(4)	(5)
"3(a)	Metallurgical industries (ferrous & non ferrous)	<p>a) Primary metallurgical industry All projects</p> <p>b) Sponge iron manufacturing ≥ 200TPD</p> <p>c) Secondary metallurgical processing industry All toxic and heavy metal producing units $\geq 20,000$ tonnes /annum</p>	<p>Sponge iron manufacturing < 200 TPD</p> <p>Secondary metallurgical processing industry</p> <p>i.) All toxic and heavy metal producing units < 20,000 tonnes/annum</p> <p>ii.) All other non -toxic secondary metallurgical processing industries >5000 tonnes/annum</p>	<p>General condition shall apply for Sponge iron manufacturing.</p>

2. As per Notification S.O. 3067 (E) Dated: 01.12.2009, under sub para (iv) of Para V

(iv) against item 3(a), in column (5), for the entries, the following entries shall be substituted, namely: _


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"General condition shall apply.

Note:


- (i) The recycling industries units registered under the HSM Rules, are exempted.
- (ii) In case of secondary, metallurgical processing industrial units, those projects involving operation of furnaces only, such as induction and electric arc furnace, submerged arc-furnace, and cupola with capacity more than 30,000 tonnes per annum (TPA) would require environmental clearance.
- (iii) Plant / units other than power plants (given against entry no. 1(d) or the schedule), based on municipal solid waste (non- hazardous) are exempted."

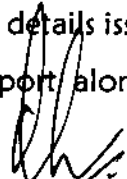
II. Observations of SEAC

- As per EIA Notification 2006 S.O. 1533 (E) Dated: 14.09.2006, All other non – toxic secondary metallurgical processing industries >5000 tonnes/annum would require environmental clearance.
- As per Notification S.O. 3067 (E) Dated: 01.12.2009, Metallurgical processing industrial units, those projects involving operation of furnaces only, such as induction and electric arc furnace, submerged arc-furnace, and cupola with capacity more than 30,000 tonnes per annum (TPA) would require environmental clearance.
- The unit was in operation with the valid consent orders obtained from the TNPCB for the Manufacturing of Cast Iron Rough Castings of production quantity of 28,800 Tons/Annum.
- As per EIA Notification 2006 S.O. 1533 (E) Dated: 14.09.2006, All other non – toxic secondary metallurgical processing industries >5000 tonnes/annum would require environmental clearance since 2006.

Hence the SEAC is of the opinion that the project activity falls under violation category as the PP had failed to apply and obtain prior EC as per EIA Notification 2006 for operating the industry which houses induction furnaces.

Therefore, based on the above facts, SEAC decided to grant **Terms of Reference** under violation category along with **Public Hearing** to the proposal, subject to the following TORs, in addition to the standard terms of reference for EIA study and details issued by the MOEF & CC (Annexure III) to be included in the EIA/EMP report along with

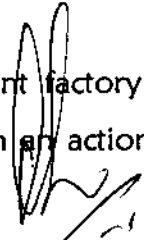

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assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.


1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a Laboratory of council of Scientific and industrial research institutions working in the field of environment.
2. As a part of procedural formalities as per the MoEF & CC Violation Notification & O.Ms, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
3. The PP shall immediately withdraw the already delisted duplicate file (File No. 7050/2019 and Online Proposal No. SIA/TN/IND/39821/2019 dated: 23.07.2019).
4. The proponent shall furnish the production details submitted to the Commercial Tax department for the last 5 years.
5. The project proponent shall furnish details on the health care provided to the workers.
6. The proponent shall furnish videos showing the entire premises including entire process.
7. PP shall conduct an energy efficiency study of the existent factory through accredited BEE consultant and submit the same along with an action plan to

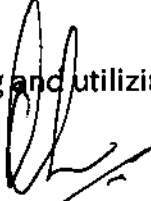

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- implement the suggestions.
8. The proponent shall furnish details on the idling period provided.
 9. The proponent shall furnish details on measures adopted for better and efficient operation of melting & charging.
 10. The proponent shall furnish details on the control measures adopted during heat finishing and tapping.
 11. The proponent shall study in detail about operational control measures to Minimize and control the refractory wall wearing.
 12. The proponent shall explore the possibilities of utilizing state of the art technology with best global practice.
 13. The proponent shall explore the possibilities of utilizing the treated wastewater instead of fresh water.
 14. The proponent must increase the Solar and Wind Energy sources and must explore the possibilities of achieving Net Zero energy consumption.
 15. The proponent shall submit the copy of the consent to operate and the latest renewal consent order obtained from the TNPCB.
 16. The proponent shall submit the compliance report from TNPCB for the conditions imposed in the consent order issued by the TNPCB.
 17. The Environmental pollution control measures taken to deal with Air pollution, effluent generation and slag generation should be discussed in detail.
 18. The project proponent has to strengthen the air pollution control measures of the existing system and furnish an adequacy report on the revamped system from a reputed institution like Anna University or IIT, Madras along with the EIA report. The revamping of the existing air pollution control measures should include the interlinking of the position of the hood system and furnace to ensure that the emission from the furnace shall be treated and routed through wet scrubber and stack.
 19. The proponent shall submit the video and photograph of the operational details with particular reference to points of pollution in the existing plant.
 20. Material balance and Water balance shall be furnished in accordance with MoEF&CC guidelines.

21. A detailed report on Solid waste & hazardous waste management shall be furnished.
22. Report on AAQ survey and proposed air pollution prevention and control measures shall be furnished in the EIA report.
23. The project proponent shall do the stoichiometric analysis of all the involved reactions to assess the possible emission of air pollutants in addition to the criteria pollutants, from the proposed project.
24. Adequacy report for ETP & STP for the proposed project obtained from any reputed Government institution such as IIT, Anna University, NIT shall be furnished.
25. Land use classification shall be obtained from the DTCP for the Survey Numbers of this project. Further, the project proponent shall submit the planning permission obtained from the DTCP, if any.
26. The proponent shall conduct the EIA study and submit the EIA report for the entire campus along with layout and necessary documents such as "A" register and village map.
27. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF&CC accordingly.
28. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
29. The PP shall produce/display the EIA report, executive summary and other related information with respect to public hearing in Tamil.
30. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes involved in the project.
31. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
32. The project proponent shall explore the possibilities of treating and utilizing the


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- trade effluent and sewage within the premises to achieve Zero liquid discharge.
33. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should be not less than 15 % of the total land area of the project.
 34. As the plant operation involves sensitive processing, the medical officer and the supporting staff involved in the health center activities shall be trained in occupational health surveillance (OHS) aspects through outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
 35. The proposal for Roof Top solar panel shall be included in the EIA Report.
 36. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP.

Agenda No: 418 – 06.

(File No: 9480/2022)

Proposed Construction of Residential Building Complex at Block 0031, Old T.S. No. 3, New S.Nos. 6/1, 6/2 & 6/3 Venkatapuram Village, Guindy Taluk, Chennai District, Tamil Nadu by the PP M/s DLF IT Offices Chennai Private Limited- For Environmental Clearance. (SIA/TN/INFRA2/438071/2023, Dt. 24.08.2023)

The proposal was placed for appraisal in 418th meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Construction of Proposed Residential Building Complex at Block 0031, Old T.S. No. 3, New S.Nos. 6/1, 6/2 & 6/3 Venkatapuram Village, Guindy Taluk, Chennai District, Tamil Nadu by the PP M/s DLF IT Offices Chennai Private Limited.
2. M/s. Eco Services India Private Limited is the EIA Consultant for the project.


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3. Total plot area of the project is 22,484 m² and built-up area is 1,61,473 m² respectively.
4. Maximum number of floors will be 3B + G + 19 and maximum height of the building will be 64.5 m.
5. Total Saleable DU's (dwelling units) is 421.
6. ToR issued vide Lr.No.SEIAA-TN/F.No.9480/SEAC/8(b)/TOR -1465/2023 datcd:02.06.2023
7. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	22,484	SQMT
2	Proposed Built Up Area	1,61,473	SQMT
3	Total no of Saleable DU's/Villas	421	No.
4	Max Height - (Height of tallest block)	64.50	M
5	No of Building Blocks (6 Residential Blocks namely Block 1 – G+19 Floors, Block 2 – G+19 Floors, Block 3 – G+19 Floors, Block 4 – G+19 Floors, Block 5 – G+19 Floors, Block 6 – G+19 Floors and a Club House Block (G + 2 Floor) with Combined Triple Basement Floors & utilities)	7	-
6	Max No of Floors	19	No.
7	Expected Population (Residential + Club house + Maintenance staff)	3,421	No.
8	Total Cost of Project	968.03	CR
9	Project Activity :	Proposed Residential Building Complex	


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AREAS			
10	Permissible Ground Coverage Area (50 %)	11,242	SQMT
11	Proposed Ground Coverage Area (35 %)	7,324	SQMT
12	Permissible FSI Area (4.875)	1,09,610	SQMT
13	Proposed FSI Area (4.874)	1,09,591	SQMT
14	Other Non FSI Areas - including basement area etc.	51,882	SQMT
15	Proposed Total Built Up Area	1,61,473	SQMT
WATER			
16	Total Water Requirement	428	KLD
17	Fresh water requirement	276	KLD
18	Treated Water Requirement	152	KLD
19	Wastewater Generation	359	KLD
20	Proposed Capacity of STP	465	KLD
21	Treated Water Available for Reuse	352	KLD
22	Treated Water Recycled	152	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	200	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	18	No.
25	Rainwater Harvesting Sump Capacity	295	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	1,390 Nos. of Car Parking	ECS
26	Proposed Total Parking	1,408 Nos. of Car	ECS


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		Parking	
27	Parking in Basements	1,333 Nos. of Car Parking	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	3.465	SQMT
	Total area	21,012	
	Existing trees on plot	Nil	
	Number of trees to be planted	281	
	Number of trees to be transplanted/cut	Nil	
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	1.946	TPD
30	Organic waste	Organic waste - 1.182 TPD In-organic Waste - 0.764 TPD	TPD
31	Mode of Treatment & Disposal	Organic waste - Treated In OWC and used as manure for green belt development	TPD


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		In-organic waste -Handed over to recyclers/vendors	
32	Quantity of Sludge Generated from STP & Disposal	36 Kg/DAY Dried, Dewatered, Processed in OWC and used as manure for green belt development	KG/DAY
33	Quantity of E-Waste Generation & Disposal	2.9	TPA
34	Quantity of Hazardous waste Generation & Disposal	0.18	TPA
POWER / GREEN POWER			
34	Total Power Requirement	5.5	MVA
35	DG set backup	(6 nos. of 625 KVA KVA & 1 nos. of 200 KVA)	
36	No of DG Sets	7	No.
37	Solar Panels – Roof Coverage	50 211 KW	%
38	Hot Water Requirement Of which met by Solar Panels	Solar Geyser will cater the Hot Water requirement	


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Population details:


C. Population Details				
1.	Residential	DU'S	POP/DU	TOTAL POPULATION
2.	Total Saleable Du's	419	7	2933
		2	5	10
3.	Total	-	-	2943
4.	Non Residential	-	-	-
5.	CLUB house (Employees etc.)	Based on Floor Space	-	315
6.	Club	-	-	-
7.	Commercial	-	-	-
8.	Facility Management Staff	5 % of the total Residential Population	-	163
9.	Total (Residential & Non Residential)	-	-	3,421 Nos.
EMP Cost		Construction Phase: Capital Cost – Rs. 122.5 Lakhs. Recurring Cost – Rs. 108 Lakhs. Operation Phase: Capital Cost – Rs. 459 Lakhs. Recurring Cost – Rs. 133 Lakhs.		
CER Cost		Rs.900 Lakhs.		
Details of CER Activities				
Beneficiary	Type of CER Activity	Budgetary Allocation (Rs. In Lakhs)		


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Chennai Snake Park Trust	Towards of R & D Centre Development & development of commensurate facilities. Convention Hall for Awareness & Venom Extraction	25
Department of Forests	Fund allocation for Forest Department for establishing protection measures towards prevention of Human-Animal conflict in Forest Areas	875
Environmental Awareness	Fund allocation for Capacity Building/ Training Awareness on Climate Action by any governing /implementing authority.	
Green Climate Mission	Fund allocation for Preparation of District Climate Action Plan or any other requirements as the case may be mutual agreed on specific representation made by the department.	
	Fund for rising infrastructure near vicinity by improving the environmental upgradation supports by Green cover with proper vegetation and making water charging facility to improve ground water	
	Fund Allocation for Infrastructure Creation/Improvement and any other required aspects as prevailing during the time of capital outlay planned on mutual acceptance. Though overall allocation is fixed the proportion of disbursement may vary depending on the nature and extent of activity need to be rendered.	
Total CER Outlay		900 Lakhs


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8. The project proposal falls under Category-8(b) of EIA Notification, 2006 (as amended).

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.


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7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF DFO/Director of Environment and other concerning authority regularly.
10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 418 – 07

(File No: 10379/2023)

Proposed Construction of Residential Building Complex at S.F. Nos. 387/1A1A1, 388, 389/2 & 390/1B of Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu. by the PP M/s. Ruby Builders & Promoters - For Environmental Clearance.

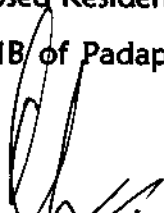
(SIA/TN/INFRA2/442227/2023, Dt. 18.10.2023)

The proposal was placed for appraisal in 418th meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Construction of Proposed Residential Building Complex at S.F. Nos. 387/1A1A1, 388, 389/2 & 390/1B of Padappai


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Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu. by the PP M/s. Ruby Builders & Promoters.

2. M/s. Eco Services India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 10,553 m² and built-up area is 46,889 m² respectively.
4. Maximum number of floors will be B + S + 11 and maximum height of the building will be 36 m.
5. Total Saleable DU's (dwelling units) is 305.
6. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	10,553	SQMT
2	Proposed Built Up Area	46,889	SQMT
3	Total no of Saleable DU's/Villas	305	No.
4	Max Height - (Height of tallest block)	36	M
5	No of Building Blocks (2 Residential Blocks Block 1 – Basement + Stilt + 11 Floors, Block 2 – Stilt + 5 Floors and Utilities)	2	-
6	Max No. of Floors	11	No.
7	Expected Population (Residential + Club house + Maintenance staff)	1,678	No.
8	Total Cost of Project	99.40	CR
9	Project Activity :	Proposed Residential Building Complex	
AREAS			


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10	Permissible Ground Coverage Area (50 %)	5,277	SQMT
11	Proposed Ground Coverage Area (34 %)	3,547	SQMT
12	Permissible FSI Area (3.25)	34,297	SQMT
13	Proposed FSI Area (2.96)	31,304	SQMT
14	Other Non FSI Areas - including basement area etc.	15,585	SQMT
15	Proposed Total Built Up Area	46,889	SQMT
WATER			
16	Total Water Requirement	214	KLD
17	Fresh water requirement	138	KLD
18	Treated Water Requirement	76	KLD
19	Wastewater Generation	208	KLD
20	Proposed Capacity of STP	220	KLD
21	Treated Water Available for Reuse	198	KLD
22	Treated Water Recycled	76	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	122	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	22	No.
25	Rainwater Harvesting Sump Capacity	117	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	275 Nos. of Car Parking	ECS

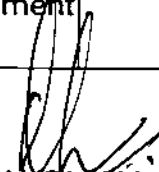

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		185 Nos. of Two Wheeler Parking	
26	Proposed Total Parking	303 Nos. of Car ECS Parking and 286 Nos. of Two Wheeler Parking	
27	Parking in Basements	157 Nos. of Car ECS Parking and 112 Nos. of Two Wheeler Parking	
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	1,585	SQMT
	Total area	10,553	
	Existing trees on plot	Nil	
	Number of trees to be planted	135	
	Number of trees to be transplanted/cut	Nil	
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	0.982	TPD
30	Organic waste	Organic waste - 0.598 TPD Inorganic Waste - 0.384 TPD	TPD
31	Mode of Treatment & Disposal	• Organic waste - Treated in OWC	TPD

		and used as manure for green belt development. • In-organic waste – Handed over to recyclers/Vendors	
32	Quantity of Sludge Generated from STP & Disposal	21 Kg/DAY Dewatered, Processed in OWC and used as manure for green belt development	KG/DAY
33	Quantity of E-Waste Generation & Disposal	1.5	T/Annum
34	Quantity of Hazardous waste Generation & Disposal	0.05	T/Annum
POWER / GREEN POWER			
34	Total Power Requirement	3.48	MVA
35	DG set backup	2 nos. of 200 KVA	KVA
36	No of DG Sets	2	No.
37	Solar Panels – Roof Coverage	50	%
38	Hot Water Requirement Of which met by Solar Panels	Solar Geyser will cater the Hot Water requirement	


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Population details:

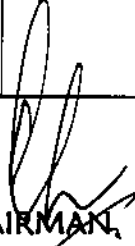
C. Population Details				
1.	Residential	DU'S	POP/DU	TOTAL POPULATION
2.	Total Saleable Du's	305	5	1525
3.	Total	-	-	1,525
4.	Non Residential	-	-	-
5.	CLUB house (Employees etc.)	-	-	-
6.	Club	-	-	-
7.	Commercial	-	-	-
8.	Facility Management Staff	10 % of the fixed Residential Population	-	153
9.	Total (Residential & Non Residential)	-	-	1,678 Nos.
EMP Cost		Construction Phase: Capital Cost – Rs. 29.5 Lakhs. Recurring Cost – Rs. 59.5Lakhs. Operation Phase: Capital Cost – Rs. 155 Lakhs. Recurring Cost – Rs. 46.5 Lakhs.		
CER Cost		Rs.100 Lakhs.		
Details of CER Activities				
S. No.	Beneficiary	Type of CER Activity	Budgetary Allocation (in Lakhs)	Action Plan
1.	Government Girls Higher Secondary School, Nanguneri.	<ul style="list-style-type: none"> Smart Board Facility for Class Room Providing Desktop Computer 	10	To be complied within 1 Year from the


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2.	Government Secondary Kalakad.	Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room. • Infrastructure Development – New Toilet. 	10	date of start of construction.
3.	Government Secondary Maruthakulam.	Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room • Providing Desktop Computer 	10	
4.	Government Secondary Moolakaraipatti.	Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room. • Infrastructure Development – New Toilet. 	10	
5.	A.V. Government Secondary Ittamozhi	Joseph Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room • Providing Desktop Computer 	10	
6.	Guru Government School, Munnanjipatti.	Sankar High	<ul style="list-style-type: none"> • Smart Board Facility for Class Room • Providing Desktop Computer 	10	
7.	Government Secondary Thapalapathysamudram.	Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room • Providing Desktop Computer 	10	
8.	Government Secondary parappadi	Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room • Providing Desktop Computer 	10	


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9.	Government Secondary Reddiarpatti.	Higher School.	<ul style="list-style-type: none"> • Smart Board Facility for Class Room. • Infrastructure Development – New Toilet. 	10	
10.	Government Secondary Burkitmanagaram.	Higher School,	<ul style="list-style-type: none"> • Smart Board Facility for Class Room • Providing Desktop Computer 	10	
Total				100 Lakhs	

7. The project proposal falls under Category–8(a) of EIA Notification, 2006 (as amended).

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure,


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- preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
 5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
 6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
 7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
 8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
 9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
 10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
 11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
 12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.


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Agenda No: 418 – 08.

(File No: 10400/2023)

Proposed Construction of Group Development – Residential cum Club House Building in Old Survey No : 40/1 & 40/2, New TSLR No. 129 in Block 13, Ward A Issa Pallavaram Village & Old S. No. 396/5 (As per TSLR Old S.No. 396/1, 396/2 & 396/3 Part), New TSLR No. ½ Part in Block 1, Ward E Zamin Pallavaram Village, Pallavaram Taluk, Chengalpattu District within the Limit of Tambaram Corporation, Tamil Nadu by the PP M/s Casagrand Builder Private Limited- For Environmental Clearance.

(SIA/TN/INFRA2/443239/2023, Dt.06.09.2023)

The proposal was placed for appraisal in 418th meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for **Proposed Construction of Group Development – Residential cum Club House Building in Old Survey No : 40/1 & 40/2, New TSLR No. 129 in Block 13, Ward A Issa Pallavaram Village & Old S. No. 396/5 (As per TSLR Old S.No. 396/1, 396/2 & 396/3 Part), New TSLR No. ½ Part in Block 1, Ward E Zamin Pallavaram Village, Pallavaram Taluk, Chengalpattu District within the Limit of Tambaram Corporation, Tamilnadu by the PP M/s Casagrand Builder Private Limited**
2. M/s Ecotech Labs Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is **14,164 m²** and built-up area is **39,150 m²** respectively.
4. Maximum number of floors will be 5 Floors and maximum height of the building will be 18.15 m.
5. Total Saleable DU's (dwelling units) is **202 No's**.

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to obtain the following details.


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1. The PP shall submit fresh water supply commitment letter and disposal of excess treated water from the Competent Authority.

On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.

Agenda No: 418-09

(File No: 10345/2023)

Proposed Construction of Mall & Residential Building at Survey Nos.: 638/1, 2 & 3, 639/1, 639/2, 639/3, 644/1, T.S.No:1/10, Block No : 176 of Velachery Village, Guindy-Mambalam Taluk, Chennai District, Tamil Nadu by M/s. Esthell Homes - For Environmental Clearance. (SIA/TN/INFRA2/440434/2023, 16.08.2023).

The proposal was placed in the 418th Meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M/S. Esthell Homes has applied for Environmental Clearance for the Proposed Construction of Mall & Residential Building at Survey Nos.: 638/1, 2 & 3, 639/1, 639/2, 639/3, 644/1, T.S.No:1/10, Block No : 176 of Velachery Village, Guindy-Mambalam Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. The PP has obtained environmental clearance from SEIAA vide Letter No. SEIAA/TN/F.481/EC/8(a)/165/2012 dt: 04.06.2013 for the construction of Block A – Mall/Multiplex/Hotel Complex – 3rd B + 2nd B + 1st B + G + 7 floors and Block B – Apartment – 2nd B + 1st B + S + 13 floors at Survey Numbers: 638/1, 2&3, S.No: 639/1, 2&3, and S.No: 644/1, T.S. No : 1/10 . Block No : 176 in Velachery village, Guindy –Mambalam Taluk, Chennai District in the state of Tamil Nadu for the Built up area of 41,203 sq.m.


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4. Further, the PP has applied for amendment on 21.10.2019 in the existing EC. Now, the PP has requested to withdraw the application submitted for amendment.

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to obtain the following details,

1. The project proponent shall submit a Certified Compliance Report for the existing EC and appropriate mitigating measures for the non-compliance items, if any.
2. The PP shall submit fresh water supply commitment letter and disposal of excess treated water from the Competent Authority.
3. The PP shall furnish revised CER details.

On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.


Agenda No: 418-10

(File No: 10422/2023)

Proposed Expansion of Non-High Rise Residential Group Development at Survey Nos.:240/13 & 240/15 of Kalavakkam Village, Thiruporur Taluk, Chengalpet District, Tamil Nadu by M/s. Casa Grande Grace Private Limited - For Environmental Clearance. (SIA/TN/INFRA2/445025/2023, 19.09.2023).

The proposal was placed in the 418th Meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The Project Proponent, M/s. Casa Grande Grace Private Limited has applied for Environmental Clearance for the Proposed Expansion of Non-High Rise Residential Group Development at Survey Nos.:240/13 & 240/15 of Kalavakkam Village, Thiruporur Taluk, Chengalpet District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.


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3. The PP has obtained Environmental Clearance vide Letter No. SEIAATN/F.No.9418/EC/8(a)/885/2022 dated:21.11.2022 to construct Residential building at S.Nos.240/13 & 240/15 of Kalavakkam Village, Thiruporur Taluk and Chengalpet District for the total built-up area of 70140.21 Sq.m.
4. The existing project consists of Residential Buildings consists of 2 Blocks; Block 1 - Stilt + 5 floors with club house, swimming pool and Podium on first floor level with 324 Dwelling units; Block 2 - Stilt + 5 Floors with podium on first floor level with 347 Dwelling units. Totally 671 dwelling units.
5. Now, the PP has applied for Environmental Clearance for the Proposed construction of Non-High Rise Group Development consists of 3 Blocks:
 - ◆Block 3 : Basement + Ground + 5 Upper Floors (124 Dwelling Units),
 - ◆Combined Basement of Blocks 4 & 5, Block 4: Ground (Partly) + 5 Upper Floors (208 Dwelling Units), with Clubhouse :Ground (Partly) + 4 Upper Floors & Swimming Pool on the Ground Floor, Block 5: Ground + 5 Upper Floors(192 Dwelling units) Totally 524 Dwelling Units having total built-up area of 79264.15 Sq.m.
6. The total built up area of 149404.36 Sq.m. There is no change in the land area (53400.00 Sq.m).

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to obtain the following details,

1. The project proponent shall submit a Certified Compliance Report for the existing EC and appropriate mitigating measures for the non-compliance items, if any.
2. The PP shall submit fresh water supply commitment letter and disposal of excess treated water from the Competent Authority.

On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.


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Agenda No: 418 - 11

(File No: 10630/2023)

Proposed Construction of Vellore Wholesale Merchants Estate at Melmonavur Village, Vellore Taluk & District, Tamil Nadu by M/s. Vellore Wholesale Merchants Estate - For Environmental Clearance. (SIA/TN/INFRA2/439038/2023 dt: 05/08/2023)

The proposal was placed in this 418th meeting of SEAC held on 19.10.2023. The project proponent made a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH website (parivesh.nic.in).

Based on the document submitted and presentation made by the project t proponent along with the consultant, the following facts have emerged:

1. The environmental clearance is sought for Proposed Construction of Vellore Wholesale Merchants Estate in S.No: 208, 209/1A, 1B,2,210/1, 2A, 2B1, 2B2, 3, 211/1, 2A, 2B1, 2B2, 3, 211/1, 2A, 2B, 212, 213/1, 2A, 2B, 214/1, 2, 3, 239/3, 249/5A, 5B, 5C, 5D, 6, 250/1, 2B, 2C, 2D,3, 4A, 4B, 4C1, 4C2, 4C3, 251/1, 2, 3, 4, 5, 252/1, 2, 3, 4, 6, 253/1A, 1B, 2A, 2B, 2C, 2D, 2E, 2F, 254/1, 2, 259/1, 260/1, 2, 3A, 3B, 4, 262/6A, 271/2A, 2B, 272/2A, 2B2, 274/2, 275/2, 276/2, 3A, 3B1, 3B2, 3B3, 277/1, 2A, 2B, 278/2, 3, 278/5A, 5B, 5C, 5D1, 5D2, 5E, 6, 7, 279/2A1, 2A2, 2A3,3, 283/2B1, 2B2, 288/1 at Melmonavur village of Vellore Taluk & District by M/s. Vellore Wholesale Merchants Estate Limited.
2. M/s. ABC Techno Labs India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 1,27,900.18 sq.m and built-up area is 65,818.06 sq.m.
4. Maximum number of floors will be Ground floor and maximum height of the building will be 7.65 m.
5. Total Saleable shops is 846 units
6. Salient features of the project as submitted by the project proponent:

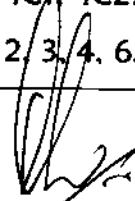
PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			


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1	Plot Area	1,27,900.18	SQMT
2	Proposed Built Up Area	65,818.06 Sq.m.	SQMT
3	Total no of Saleable shops	846	No.
4	Max Height - (Height of tallest block)	7.65	M
5	No of Building Blocks (Residential + Community facilities)	41 Blocks	No
6	Max No of Floors	Ground Floor	No.
7	Expected Population	17926	No.
8	Total Cost of Project	282	CR
9	Project Activity:	<p>Vellore Wholesale Merchants Estate Limited is a non-govt company registered at Registrar of Companies, Chennai. Incorporated on 16 Apr, 1998. It's a public unlisted company under shares. Its authorized share capital is Rs. 7,50,00,000 and its paid up capital is Rs. 3,26,99,600. Vellore Wholesale Merchants Estate Limited has proposed to construction of Vellore Wholesale Merchants Estate in Melmonavur village falling in S.No: 208, 209/1A, 1B, 2, 210/1, 2A, 2B1, 2B2, 3, 211/1, 2A, 2B1, 2B2, 3, 211/1, 2A, 2B, 212, 213/1, 2A, 2B, 214/1, 2, 3, 239/3, 249/5A, 5B, 5C, 5D, 6, 250/1, 2B, 2C, 2D, 3, 4A, 4B, 4C, 4C2, 4C3, 251/1, 2, 3, 4, 5, 252/1, 2, 3, 4, 6,</p>	


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		253/1A, 1B, 2A, 2B, 2C, 2D, 2E, 2F, 254/1, 2, 259/1, 260/1, 2, 3A, 3B, 4, 262/6A, 271/2A, 2B, 272/2A, 2B2, 274/2, 275/2, 276/2, 3A, 3B1, 3B2, 3B3, 277/1, 2A, 2B, 278/2, 3, 278/5A, 5B, 5C, 5D1, 5D2, 5E, 6, 7, 279/2A1, 2A2, 2A3.3, 283/2B1, 2B2, 288/1. The total plot area acquired for the project is about 1, 27,900.18 Sq.m. and will have a total built up area of 65,818.06 Sq.m.
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AREAS

10	Permissible Ground Coverage Area	89,530.126 (70%)	SQMT
11	Proposed Ground Coverage Area (33.46%)	42,800.72	SQMT
12	Permissible FSI Area	1,91,850.27	SQMT
13	Proposed FSI Area	37,907.77	SQMT
14	Other Non FSI Areas - including basement area etc.	27,910.29	SQMT
15	Proposed Total Built Up Area	65,818.06	SQMT

WATER

16	Total Water Requirement	449	KLD
17	Fresh water requirement	210	KLD
18	Treated Water Requirement	375	KLD
19	Wastewater Generation	417	KLD
20	Proposed Capacity of STP	450	KLD


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21	Treated Water Available for Reuse	136	KLD
22	Treated Water Recycled	239	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	NIL	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	92	No.
25	Rainwater Harvesting Sump Capacity	200 (100 m ³ x 2 nos)	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	7,950	ECS
26	Proposed Total Parking	9,164	ECS
27	Parking in Basements	NIL	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	20,157.06 Sq.m (15.76 %)	SQMT
	Total area	1,27,900.18	SQMT
	Existing trees on plot	0	SQMT
	Number of trees to be planted	1600	SQMT
	Number of trees to be transplanted/cut	0	SQMT


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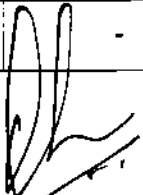

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SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	5.226	TPD
30	Organic waste	3.770	TPD
31	Mode of Treatment & Disposal	Disposed through Vellore TPD Municipal Corporation.	
32	Quantity of Sludge Generated from STP & Disposal	60.04	KG/DAY
33	Quantity of E-Waste Generation & Disposal	0	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	0	LPD
POWER / GREEN POWER			
34	Total Power Requirement	4812	KVA
35	DG set backup	250	KVA
36	No of DG Sets	1	No.
37	Solar Panels – Roof Coverage	50	%
38	Hot Water Requirement	Nil	
	Of which met by Solar Panels	Nil	

Population details:

POPULATION			
	Shop	POP/shop	TOTAL POPULATION
Residential			
Total Saleable shops	846	5,976	5,976
Total	-	-	-


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Non Residential	-	-	-
CLUB house (Employees etc.)	Area	-	--
Club	-	-	-
Commercial	-		
Facility Management Staff	-	-	-
Total	-	5,976	5,976
Visitors	-	11,950	-
Residential		xx% of Residential Population	
Club/Community Hall		xx% of Residential Population	
Commercial	846	33.3 % of th total population	
Total Visitors	11,950	66.6% of the total population	
Total Population		17926 (100%)	

The project proposal falls under Category-8(a) of EIA Notification, 2006 (as amended).

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended grant of environmental clearance for the project proposal as above along with standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:


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Additional Conditions:

1. The construction of vegetable market shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall develop green belt also in the area earmarked for OSR.
4. The PP shall install a bio digester for the treatment of solid wastes generated at the project site and the generated gas shall be utilized for the canteen fuel needs.
5. The PP shall ensure that all the vegetable wash water is treated in the STP provided at the project site.
6. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
7. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
8. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
9. The project proponent should develop green belt in the project site as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
10. Project proponent should invest the CSR amount of Rs.190 Lakhs for the installation of in-situ cold storage facility as committed and submit the compliance report regularly to the concerned authority/Directorate of environment.
11. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.


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12. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
13. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
14. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 418 - 12

File No: 10423/2023

Proposed Construction of High-Rise Group Development Buildings at S.No:406/79A(part) and 406/80A(part) of Okkiyam Thoraipakkam Village, Sholinganallur Taluk, Chennai District, Tamil Nadu by M/s Baashyaam Reality Private Limited - For Term of Reference. (SIA/TN/INFRA2/443872/2023, Dated: 11/09/2023)

The proposal was placed in this 418th meeting of SEAC held on 19.10.2023. The Project Proponent made a detailed presentation on the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). **The SEAC noted the following:**

1. The Project Proponent, M/s Baashyaam Reality Private Limited has applied for Terms of Reference for the Proposed Expansion Construction of High-Rise Group Development Buildings in S.No:406/79A(part) and 406/80A(part) of Okkiyam Thoraipakkam Village, Sholinganallur Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(b) "Township and Area Development Projects" of the Schedule to the EIA Notification, 2006 as amended.
3. The project site is located at a distance of 73m from the Buckingham Canal on landward side.

Based on the proposal submitted and the presentation made, the SEAC decided to recommend for the grant of Terms of Reference (ToR) subject to the following ToRs,



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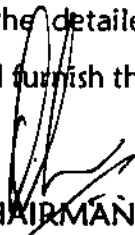

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in addition to the standard terms of reference for EIA study for Township and Area Development Projects and the EIA/EMP report:

1. The Proponent shall examine whether the project site attracts CRZ clearance. If so, the PP shall apply and obtain CRZ clearance for the proposed activity.
2. The PP shall submit sub divided S.F.No of the project site detailing the plot area.
3. The proponent shall furnish the detailed sewage treatment technology available and also furnish the design details of the STP treatment system.
4. The proponent shall ensure the existing development meets green building norms and shall obtain a minimum of IGBC Gold ranking.
5. The proposal to construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
6. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
7. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
8. Commitment letter from competent authority for supply of water shall be furnished.
9. Copy of the village map, FMB sketch and "A" register shall be furnished.
10. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
11. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
12. Details of the Solid waste management plan shall be prepared as per Solid Waste Management Rules, 2016 as amended and shall be furnished.

13. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 as amended and shall be furnished.
14. Details of the Rain water harvesting system with cost estimation should be furnished.
15. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the water bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
16. The OSR area should not be included in the activity area and not be taken in to account for the green belt area.
17. The layout plan shall be furnished for the greenbelt area earmarked with GPS co-ordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
18. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
19. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
20. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
21. The proposal for utilization of at least 50% of Solar Energy shall be included in the EIA/EMP report.
22. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.


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Agenda No: 417 - 13

(File No: 10403/2023)

Proposed construction of Dormitory buildings of the Industrial units for the Manufacture of Electronic Hardware by M/s. Delta Electronics India Private Limited at Plot No.3, S.F.Nos. 16-1B2B (Part), 16-3 (Part), SIPCOT Industrial Park, of Kurubarapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu - For Environmental Clearance. (SIA/TN/INFRA2/444094/2023, Dated: 14.09.2023)

The proposal was placed in 418th SEAC meeting held on 19.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Delta Electronics India Private Limited has applied for Environmental clearance for the proposed construction of Dormitory buildings of the Industrial units for the Manufacture of Electronic Hardware at Plot No.3, S.F.Nos. 16-1B2B (Part), 16-3 (Part), SIPCOT Industrial Park, of Kurubarapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Total land area is 66,692.19 Sq.m & the total built-up area is 1,14,256.82 Sq.m.

The SEAC noted that the EIA Co-ordinator has not attended the meeting. Hence the subject was not taken up for discussion and the committee deferred the proposal.

Agenda No: 418-14


(File No.9583/2023)

Proposed Expansion of Commercial Tower in the Existing Mall at T.S.Nos. 5/2, 5/3, 6/2 & 6/3 of Velachery Village, Guindy-Mambalam Taluk, Chennai District, Tamil Nadu by M/s. Classic Mall Development Company Limited, M/s. Classic Housing Projects Pvt. Ltd & M/s. Starboards Hotel Private Ltd - For Environmental Clearance (SIA/TN/INFRA2/446179/2023, dated 28.09.2023)

The proposal was placed in 418th SEAC meeting held on 19.10.2023 The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponents, M/s. Classic Mall Development Company Limited, M/s.


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Classic Housing Projects Pvt. Ltd & M/s. Starboards Hotel Private Ltd has applied for Environmental Clearance for the Proposed Expansion of Commercial Tower in the Existing Mall at T.S.Nos. 5/2, 5/3, 6/2 & 6/3 of Velachery Village, Guindy-Mambalam Taluk, Chennai District, Tamil Nadu.

2. The project/activity is covered under Category "B" of item 8(b) "Townships and area developments" of the Schedule to the EIA Notification, 2006.
3. Total plot area of the project is 67,866 sqm and built-up area is 3,19,005.28 sq.m respectively.
4. ToR was issued to the proponent vide Lr.No.SEIAA-TN/F.No.9583/SEAC/8(b) /ToR-1476/2023 dated.05.06.2023.

Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following additional details from the project proponent to decide further on the proposal:

- i) The proponent shall explore the possibilities of increasing the greenbelt from 8.7% to 15% as indicated in the ToR dated.05.06.2023.
- ii) The proponent shall furnish the revised water balance chart.
- iii) The proponent shall furnish the details of CER activities carried out as indicated in the earlier ECs dated.20.09.2010, 09.10.2017 & 23.08.2021 in tabular form. Non-compliances, if any, should be indicated.
- iv) The proponent shall explore the possibilities of providing plants in pots in the parking areas provided in the basement.
- v) The proponent shall keep Environment Awareness Boards within the mall to create awareness to the public.
- vi) The proponent shall take necessary steps to make the entire mall premises plastic free zone and shall keep 'Plastic Free Mall' Boards within the premises.
- vii) As a part of CER activity, the proponent shall take steps to provide a dedicated hyacinth removal machine for the cleaning of Velachery Eri situated near the proposed project site and maintain the same, in consultation with GCC.
- viii) The proponent shall explore the possibilities of providing Manjappai to customers while they shop at mall stores, either for free or by charging appropriate amounts.

- ix) The proponent shall renovate the existing STP and shall furnish photographic proofs for the same.

On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the \\PARIVRESH portal.

Agenda No: 418-15

(File No: 8556/2023)

Proposed Expansion of Residential Apartment at R.S.No. 273/48(p), & 274/49(p) Block- No. 17, Purasaiwakkam Village, Purasaiwakkam- Perambur Taluk, Chennai District, Tamil Nadu by M/s. Sanklecha Infra projects Private Limited- For Environmental Clearance under violation category (SIA/TN/INFRA2/427183/2023, Dated: 26.04.2023).

The proposal was earlier placed in the 380th SEAC Meeting held on 17.05.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Sanklecha Infra projects Private Limited has applied for Environmental Clearance under violation category for the Proposed Expansion of Residential Apartment at SF.No. 273/48(p), & 274/49(p) Block- No. 17, Purasaiwakkam Village, Purasaiwakkam- Perambur Taluk, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained EC from SEIAA vide Lr.No.SEIAA-TN/F.No.6393/EC/8(a)/529/2017 Dated:21.07.2017 to construct Residential Apartment comprising of Block R (S+7), Block S (S+7), Block T (S+8) and a club house with 452 dwelling units having total built up area of 25,569.46 Sqm at R.S. Nos: 273/48 (part) & 274/49 (part), Block No.17, Purasawakkam Village, Purasawakkam-Perambur taluk, Chennai district, Tamil Nadu.
4. CCR From MoEF&CC, IRO (SZ) vide E.P/12.1/ SEIAA/2020-21/01/TN/122 Dt:


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10.11.2020.

5. The expansion proposal involves construction of additional two floors in Block R (S+9), and Block S (S+9), Additional construction of eight floors in Block T (S+16). After expansion the total built up area of the project is 39373.58 Sqm. Total land area of the project is 13292.52 Sqm.
6. It falls under violation category.
7. TOR issued vide Letter No. SEIAA-TN/F.No.8556/Violation/ToR-1373/2021 dated:27.02.2023 under violation category.
8. EIA submitted vide online proposal No. (SIA/TN/INFRA2/427183/2023, Dated: 26.04.2023).

Based on the presentation made and documents furnished by the project proponent, SEAC decided to make on-the spot site-inspection by the sub-committee constituted by SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the sub- committee will assess the ecological damage and also to check the Remedial Plan & Community Augmentation Plan submitted by the Project Proponent during the inspection.

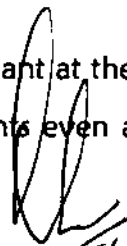
1. The PP shall furnish an affidavit stating that we will not do any construction activity before obtaining EC.

The Sub Committee report was placed in the 411st Meeting of SEAC held on 27.09.2023 and the same is as follows.

On-Site Inspection – Observations

- **Ongoing Construction Work:** As per the PP and EIA coordinator, the work in R & S blocks has been completed and they have been fully occupied. The work in Block T (which had substantial expansion with additional 8 floors) is still going on, and yet it has partially been occupied – raising concerns for the safety of the residents. In fact, close of 8 floors have been occupied as per the PP's own admission, and yet the lift in that block is not yet functioning!
- The following photographs provide a glimpse of the ongoing work in Block T and its occupancy status.
- **Sewage Treatment:** There is one 400 KLD sewage treatment plant at the project site, which in principle would meet the treatment requirements even after the


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expansion. The plant is based on SBR technology and disposes 168 KLD of waste water after treatment to CMWSSB sewer.

- The STP and the surrounding areas are not in running/good condition during the site visit. In fact, the STP was not even functioning at the time of inspection. The PP and EIA coordinator claimed that the storage tank has enough capacity and the waste was being collected in the storage tank, and would be subsequently treated.
- However, looking at the plant condition, it didn't appear like that proper treatment is being done before letting into the CMWSSB sewer.
- Further, contrary to the claims of greenbelt developing around the STP area, the surroundings looked completely barren during the inspection. The following photographs taken during the inspection provide a glimpse of the STP and its surroundings.
- The STP is being maintained by 3rd party – M/s KLP. However, the maintenance as highlighted here, has not been up to the mark.
- **Drinking Water:** The residents are supplied drinking water through underground tank system. The overhead tanks store water for fire extinguishing purposes.
- The pumping facility for the drinking water seem to be working and in reasonable condition as shown in the photograph below.
- **Solid Waste and Organic Waste:** The waste collection is through CMDA approved third party service provider. Even though, the residents are asked to do the waste segregation at source, there is no adequate mechanism to ensure the segregation post collection and transportation from the project premises.
- The organic waste convertor has been purchased, but has not been used since inception.
- Overall, the waste collection and disposal facilities do not seem to be adequately maintained by the PP.
- **OSR Development:** The OSR area has not been developed at all – in fact, the neighbouring areas are well developed with proper greenbelt, but the project specific OSR has no tree plantation and/or development.


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- The same is the status of the area earmarked for the power generation facilities, with poor access and surroundings.
- The following photograph provides a glimpse of the OSR and area earmarked for power generation facilities.
- **Solar Panels:** The PP has so far made no efforts to utilize the rooftop for installation of solar panels. The scope also looks minimal – at least on the rooftops of R & S Block (to which the inspection team has been given access).
- The project proponent may have to explore other options for meeting the requirement of covering 50% of the roof top area with solar panels.
- **Green Cover:** The project site has very little tree cover. Trees have in fact not been planted, and kept in bags. Minimal green cover is seen near the surface parking facility – that too in a very narrow strip (largely due to non-availability of land area for green cover development).
- As mentioned above, the OSR area as well as the area near the STP provide some scope for greenbelt development. However, there has so far been no effort made by the PP to develop green cover.

Ecological Damage Assessment

- As outlined in Annexure II, the ecological damages associated with the project under consideration have been estimated using three different methodologies, namely:
 - CPCB methodology
 - SEAC methodology
 - EAC methodology
- The table below provides summary of the estimated damages under each methodology:

S. No.	Methodology	Estimated Damage (INR)
1.	CPCB methodology	2,63,43,750
2.	SEAC methodology	1,09,55,000
3.	EAC methodology	17,35,000

- The highest among the three estimates is Rs. 2.63 crore, estimated using CPCB methodology.

5. Recommendation

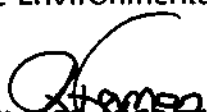
- The OM (22-21/2020-IA.III, dated 07.07.2021) provides SoP for dealing with violation cases. Accordingly, in addition to the implementation of EMP in a time-bound manner, the project proponent (in the cases where the project activity is permissible) will be required to submit a bank guarantee equivalent to the amount of Remediation Plan and Natural and Community Resource Augmentation Plan.
- The estimated damages due to the project activity are approximately Rs. 2.63 crore.
- The Project Proponent shall provide a clear plan of implementation towards ecological remediation, natural resource and community augmentation. To the extent possible all remediation/augmentation activities shall take place near the project site to ensure possible reversal of damage caused by the construction without environmental clearance.
 - As observed in the report, the greenbelt and tree cover at the project site is very minimal. The PP shall spend at least part of the restoration budget for greenbelt development at the project site.
- In addition, the PP may be asked to furnish plan and proof for undertaking the proposed CER activities in the nearby schools.
- The PP may be asked to submit affidavit for undertaking maintenance of STP and other facilities for 10 years at the project site.
- As mentioned in the report, there appears to be little scope for undertaking roof top solar panel installation at the project site. The PP shall explore other options to fulfil the requirement and furnish the plan for the same.
- The subcommittee opines the grant of Environmental Clearance to M/s Sanklecha Infra Projects Pvt. Ltd. may be considered by SEAC subject to the above-mentioned conditions.

Annexure II

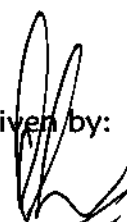
Ecological Damage Assessment

I. CPCB Methodology

The Environmental Compensation (EC) as per CPCB methodology is given by:


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$$EC = PI \times N \times R \times S \times LF$$

where,

PI= Pollution Index

N=Number of days of violation took place

R=Rupee factor for EC

S= Scale of Operation factor

LF= Location Factor

PI: Industrial sectors have been categorized based on Pollution Index: Red - 60 to 100; Orange - 41 to 59; and Green - 21 to 40.

N: The period between the day of violation observed/due date of direction's compliance and the date of verification by CPCB/SPCB/PCC is considered as number of days of violation.

R: Factor in rupees, with a minimum of 100, and a maximum of 500; with 250 as the suggested figure in the violation cases.

S: Scale of Operation: 0.5 for micro or small; 1.0 for medium; and 1.5 for large units.


LF: Location in terms of proximity to the large habitations and industry unit. For the industrial unit located within Municipal Boundary or up to 10 km distance from the boundary of the city/ town, the following factors (LF) may be used:

Sl. No.	Population (million)	Location Factor (LF)
1	Less than 1	1.0
2	1 to < 5	1.25
3	5 to < 10	1.5
4	10 and above	2.0

Parameters Value considered for damage assessment:

Parameter	Considered Value	Justification
Pollution index (PI)	50	The project is building and construction project and the project falls under schedule 8(a) of EIA


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		notification, 2006. The total built-up area of the project is 39373.58 sq.m. The project is considered under orange category (pollution index 41 to 59). The average of the range, viz., 50 is considered as the applicable PI value.
Number of days of violation took place (N)	1686	Start date (12.01.2019): This is the self-declared start date of construction without valid EC by the PP. End date (26.08.2023): The date of inspection by the sub-committee. Thus, total number of days under violation is considered as 1686 days.
Rupee factor for EC (R)	250	The project falls under violation category as construction was undertaken without obtaining environmental clearance. Thus, the rupee factor for environmental compensation is considered as 250.
Scale of operation factor (S)	1.0	The project is established with the capital cost (project cost) of Rs. 109.55. Thus, factor for scale of operation is considered as 1.0
Location factor (LF)	1.25	The location factor varies from 1.0 to 2.0. The project site falls under the city limits of Chennai. Hence, value is considered as 1.25

Environmental Compensation (EC) as derived by CPCB: $EC = PI \times N \times R \times S \times LF$


$$EC = 50 \times 1686 \times 250 \times 1.0 \times 1.25 = \text{Rs. } 2,63,43,750 \text{ /-}$$

II. SEAC Methodology

The details of methodology are as follows:

The level of ecological damage is categorized as

- i. Low level ecological Damage: If only procedural violations are involved, such as starting construction at site without obtained EC


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- ii. **Medium Level Ecological Damage:** If procedural violations are involved (i.e., construction at the site without obtaining EC), plus infrastructural violations such as deviation from CMDA/local body approval, and non-operation of the project.
- iii. **High Level Ecological Damage:** If procedural violations are involved (i.e., construction at the site without obtaining EC), plus infrastructural violation such as deviation from CMDA/local body approval, and the constructed part is under operation and/or utilized.
- iv. The fund allocation for ecological remediation, natural resource augmentation and community resource augmentation and penalty will be based on below mentioned criteria.

Levels of damages	Ecological remediation cost (% of project cost)	Natural resource augmentation cost (% of project cost)	Community resource augmentation cost (% of project cost)	CER (% of project cost)	TOTAL (% of project cost)
Low level ecological damage	0.25	0.10	0.15	0.25	0.75
Medium level ecological damage	0.35	0.15	0.25	0.50	1.25
High level ecological damage	0.50	0.20	0.30	1.00	2.00

The project proponent has not obtained Environmental Clearance and the project is in operation. Based on the above said remarks, the project is categorized as **High-Level Ecological Damage** (under operation).

The Environmental Compensation for the project is as follows:


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Level of damages	Ecological remediation on cost (% of project cost)	Natural resource augmentation on cost (% of project cost)	Community resource augmentation cost (% of project cost)	CER (% of project cost)	Total (% of project cost)
High level ecological damage	0.5	0.2	0.3	1.0	2.0
Amount (Rs. in lakhs) calculated based on the project cost	54.775	21.91	32.865	109.55	219.1
Sub Total	109.55 (i.e, 54.775+21.91+32.865)			109.55	219.1

The value of Ecological remediation, Natural resource augmentation and Community resource augmentation total compensation value is considered under Environmental Compensation.

Thus, Environmental Compensation under this method is Rs. 109.55 lakhs

III. EAC (MoEF&CC) Methodology

The damage cost attributable to the additional construction carried out without the Environmental Clearance has been estimated as follows by the EIA coordinator:

Sl. No.	Damage Head	Damage cost (lakhs)
1	Air Pollution	5.12
2	Water Pollution	2.19


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3	Noise Pollution	0.50
4	Land Pollution	5.61
5	Risk	4.00
	Total	17.42

This damage has been allocated across ecological remediation, natural resource augmentation, and community augmentation plans as follows:

Sl. No.	Details	Allocation (lakhs)
1	Ecological remediation	3.00
2	Natural resource augmentation plan	1.50
3	Community resource augmentation plan	1.28
	Total	5.78

With allocation across three years, the total allocation has been estimated as Rs. 17.35 lakhs – same as the estimated damage costs above.

The above sub-committee report was placed in 418th SEAC meeting held on 19.10.2023. Based on the recommendation of the sub-committee, SEAC decided to call for additional details as follows

- The Project Proponent shall provide a clear plan of implementation towards ecological remediation, natural resource and community augmentation. To the extent possible all remediation/augmentation activities shall take place near the project site to ensure possible reversal of damage caused by the construction without environmental clearance.
- The PP shall submit an action plan for greenbelt development at the project site as tree cover at the project site is very minimal.


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- In addition, the PP may be asked to furnish plan and proof for undertaking the proposed CER activities in the nearby schools.
- The PP shall submit affidavit for undertaking maintenance of STP and other facilities for 10 years at the project site.
- The PP shall submit action plan to fulfil the requirement of undertaking roof top solar panel installation at the project site.

On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.

Agenda No: 418-16

(File No.10334/2023)

Proposed Expansion in Construction of Residential and Commercial Group Development at S.Nos. 133/1A, 134/2, 136/1, 136/2A, 136/2B, 137, 138, 139, 140, 141/1A, 141/1B, 141/2 of Koluthuvanchery Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Sheetala Credit and Holdings Private Limited – For Environmental Clearance (SIA/TN/INFRA2/439895/2023 dt.10.08.2023)

The proposal was placed in this 418th Meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Sheetala Credit and Holdings Private Limited has applied for Environmental Clearance for the Proposed Expansion in Construction of Residential and Commercial Group Development at S.Nos. 133/1A, 134/2, 136/1, 136/2A, 136/2B, 137, 138, 139, 140, 141/1A, 141/1B, 141/2 of Koluthuvanchery Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. M/s Ecotech Labs Private Limited is the EIA Consultant for the project.
4. Earlier, EC was issued in the name of M/s. Vallal RCK vide Lr.No.SEIAA/TN/F.No.6460/EC/8(a)/557/2017 dated 24.01.2018 for the


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Construction of Residential & Commercial group Development in the same area. EC was accorded for a plot area of 40302.54 Sqm and a built-up area of 70826.868 Sqm.

5. Later, M/s. Sheetala Credit and Holdings Private Limited has purchased the above mentioned Land from M/s. Vallal RCK through Sale Deed Document No.5903/2022 dtaed.22.04.2022.
6. The proponent M/s. Sheetala Credit and Holdings Private Limited, after purchase of land, has modified the building plan and has submitted a fresh proposal seeking Environmental Clearance for a plot area of the project is 43140m² and built-up area of 113985.62 m². Total Saleable DU's (dwelling units) is 655 dwelling units.
7. Salient features of the project as submitted by the project proponent are as follows:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	43140.00	SQMT
2	Proposed Built Up Area	113985.62	SQMT
3	Total no of Saleable DU's/Villas	655	No.
4	Max Height - (Height of tallest block)	18	M
5	No. of Building Blocks (Residential + Community facilities)	16 (15 residential + 1 commercial)	-
6	Max No of Floors	G+5	No.
7	Expected Population (Residential +Floating)	5107	No.
8	Total Cost of Project	363	CR
9	Project Activity :	Construction of Residential and Commercial Group Development	
AREAS			
10	Permissible Ground Coverage Area	22268.63	SQMT
11	Proposed Ground Coverage Area	22268.63(52%)	SQMT


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12	Permissible FSI Area	86500	SQMT
13	Proposed FSI Area	86038.95	SQMT
14	Other Non FSI Areas - including basement area etc.	3492.76	SQMT
15	Proposed Total Built Up Area	113985.62	SQMT
WATER			
16	Total Water Requirement	591	KLD
17	Fresh water requirement	355	KLD
18	Treated Water Requirement	236	KLD
19	Wastewater Generation	517	KLD
20	Proposed Capacity of STP	600 (2 nos of 300KLD)	KLD
21	Treated Water Available for Reuse	491	KLD
22	Treated Water Recycled	236	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	- (255 KLD of treated water will be used for avenue plantation)	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	87	No.
25	Rainwater Harvesting Sump Capacity	160	M ³
PARKING			
25	Total Parking Required as per Building Bye Laws	797 car parking and 445 bike parking	ECS
26	Proposed Total Parking	797 car parking and 445 bike	ECS

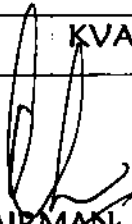

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		parking	
27	Parking in Basements	-	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	6513.46	SQMT
	Total area	43140	
	Existing trees on plot	10	
	Number of trees to be planted	540	
	Number of trees to be transplanted/cut	-	
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	2520	KG/DAY
30	Organic waste	1008	KG/DAY
31	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and used as manure for gardening.	KG/DAY
32	Quantity of Sludge Generated from STP & Disposal	29 (Will be used as manure for greenbelt development)	KG/DAY
33	Quantity of E-Waste Generation & Disposal	-	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	-	LPD
POWER / GREEN POWER			
34	Total Power Requirement	4000	KVA


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35	DG set backup	1640	KVA
36	No of DG Sets	4 Nos of 250KVA, 2 Nos of 320 KVA,	No.
37	Solar Panels – Roof Coverage	1113.315 sqm	50%
38	Hot Water Requirement	10 KLD	-
	Of which met by Solar Panels	-	-

POPULATION	
Residential	4647
Total Visitors	460
Total Population	5107
EMP & CER	
CER Cost	Rs. 340 Lakhs/-
EMP Cost	<u>Construction Phase:</u>
	Capital Cost – Rs.13.25 Lakhs
	O&M Cost/Annum – Rs.4.5 Lakhs
	<u>Operational Phase:</u>
	Capital Cost – Rs.331.18 Lakhs
	Recurring Cost (per annum) – 54.65 Lakhs

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended the proposal for grant of environmental clearance subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. The proponent shall obtain an consent letter from Kundrathur Municipality for reusing the treated wastewater for avenue plantations before obtaining CTO from TNPCB.


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3. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
4. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
5. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
6. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
7. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
8. The project proponent should develop green belt in the project area as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
9. Project proponent should invest the CSR/CER amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
10. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF&CC/Director of Environment and other concerning authority regularly.
11. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring

mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.

12. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
13. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.
14. As agreed by the project proponent, the CER cost is Rs.340 Lakhs and the amount shall be utilized for the following activities before obtaining CTE from TNPCB.

S.No	CER Activity	Cost (in Rs.)
1	Construction of dialysis center in Alangudi Government Hospital	Rs. 100 Lakhs
2	Towards the following Government Schools for Improvement of school infrastructure, Sanitation facility, library, Drinking water treatment plant, Solar lighting & smart class (LED Projector with computer), Furniture, development of sports facilities, Greenbelt development within school campus, Additional classrooms for schools and Maintenance of toilet for the schools:	
	i) Government Adidravida welfare higher secondary school, Madhanandapuram.	Rs.40 Lakhs
	ii) Ayyappathangal Government school, Ayyappathangal.	Rs.40 Lakhs
	iii) SSC Government higher secondary school, Thandalam	Rs.40 Lakhs
	iv) Government Primary school, Thandalam	Rs.40 Lakhs
	v) Government school, Mangadu	Rs.40 Lakhs
	vi) Government Adidravidar welfare Primary school	Rs.40 Lakhs
Total		Rs. 340 Lakhs

Agenda No: 418 – 17.

(File No: 10463/2023)

Proposed expansion and construction of Additional Court Building Comprising of Basement Stilt and three floors above the stilt to accommodate 18 Court Halls in the District Court Campus at SF. No. 814/2, 816/12, 820/3 of Tallakulam Village, Madurai North Taluk, Madurai, Tamil Nadu by the PP M/s. Public Works Department, Madurai - For Environmental Clearance. (SIA/TN/INFRA2/447214/2023, Dt.09.10.2023)

The proposal was placed for appraisal in 418th meeting of SEAC held on 19.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged:

1. The environmental clearance is sought for Proposed expansion and construction of Additional Court Building Comprising of Basement Stilt and three floors above the stilt to accommodate 18 Court Halls in the District Court Campus at SF. No. 814/2, 816/12, 820/3 of Tallakulam Village, Madurai North Taluk, Madurai, Tamil Nadu by the PP M/s. Public Works Department, Madurai.
2. M/s. Enviro Care India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 68930.00 m² and built-up area is 58241.41 m² (Existing - 25728.20 m² + Proposed - 32513.21 m²) respectively.
4. Maximum number of floors will be B+G+3 and maximum height of the building will be 17.60 m.
5. Total Saleable DU's (dwelling units) is 0.
6. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	68930.00	SQMT


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2	Proposed Built Up Area	58241.41 m2 (Existing - 25728.20 m2 + Proposed expansion - 32513.21 m2)	SQMT
3	Total no of Saleable DU's/Villas	0	No.
4	Max Height - (Height of tallest block)	17.60	M
5	No of Building Blocks (Residential + Community facilities)	-	-
6	Max No of Floors	3	No.
7	Expected Population (Residential + Floating)	700+2100 = 2800	No.
8	Total Cost of Project	166.00	CR
9	Project Activity:	District Court Building.	
AREAS			
10	Permissible Ground Coverage Area (xx%)	-	SQMT
11	Proposed Ground Coverage Area (25.32%)	17451.20 (Existing - 9661.20 + Proposed - 7790.00)	SQMT
12	Permissible FSI Area (xxx)	-	SQMT
13	Proposed FSI Area	17913.53	SQMT
14	Other Non FSI Areas - including basement area etc.	14018.35	SQMT
15	Proposed Total Built Up Area	32513.21	SQMT
WATER			
16	Total Water Requirement	84.00	KLD
17	Fresh water requirement	64.00	KLD



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18	Treated Water Requirement	20.00	KLD
19	Wastewater Generation	67.20	KLD
20	Proposed Capacity of STP	100.00	KLD
21	Treated Water Available for Reuse	-	KLD
22	Treated Water Recycled	20.00	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	-	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	-	No.
25	Rainwater Harvesting Sump Capacity	8900 (Pond)	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	Two-Wheeler - 1650 Four-Wheeler - 450	ECS
26	Proposed Total Parking	Two-Wheeler - 1739 Four-Wheeler - 492	ECS
27	Parking in Basements	Two-Wheeler - 150 Four-Wheeler - 143	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	10360.18	SQMT
	Total area	68930.00	SQMT
	Existing trees on plot	475	No.
	Number of trees to be planted	880	No.
	Number of trees to be transplanted/cut	5 (Transplanted)	No.
SOLID WASTE MANAGEMENT			


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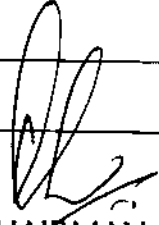

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29	Total Solid Waste Generation	0.630	TPD
30	Organic waste	0.336	TPD
31	Mode of Treatment & Disposal	Organic Waste Converter	TPD
32	Quantity of Sludge Generated from STP & Disposal	20.00	KG/DAY
33	Quantity of E-Waste Generation & Disposal	2.00	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	2.00	LPD
POWER / GREEN POWER			
34	Total Power Requirement	1000	KW
35	DG set backup	30, 250 (2 Nos.)	KVA
36	No of DG Sets	3	No.
37	Solar Panels – Roof Coverage	50	%
38	Hot Water Requirement	-	-
	Of which met by Solar Panels	-	-

Population details:

POPULATION			
	DU'S	POP/DU	TOTAL POPULATION
Residential			
Total Saleable Du's	-	-	-
Total	-	-	-
Non-Residential	-	-	-
CLUB house (Employees etc.)	Area		
Club	-	-	-


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Commercial	-	-	-
Facility Management Staff	-	-	-
Total	-	-	-
Visitors	-	-	-
Residential	-	xx% of Residential Population	-
Club/Community Hall	-	xx% of Residential Population	-
Commercial	-	-	700
Total Visitors	-	-	2100
Total Population	-	-	2800
EMP Cost	Capital Cost – Rs. 116.50 Lakhs. Operation Cost – Rs. 15.50 Lakhs.		
CER Cost	Rs.166 Lakhs		

Details of CER Activities

S. No.	Description	Budgetary Allocation (In Lakhs)	Action Plan
1.	Beautification and Improvement of Lake inside the project site	166	Before obtaining CTO from TNPCB
Total		166 Lakhs	

The project proposal falls under Category-8(a) of EIA Notification, 2006 (as amended).

RECOMMENDATION OF THE COMMITTEE


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The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the Annexure II of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


Additional Conditions:

1. The PP shall carry out regeneration of pond within the proposed project area before obtaining CTO from TNPCB.
2. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
3. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
4. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
5. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
6. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
7. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
8. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.


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9. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
10. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF DFO/Director of Environment and other concerning authority regularly.
11. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
12. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
13. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.


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ANNEXURE-I

SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED WITHIN 1 KM FROM THE RESERVE FORESTS

1. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
2. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
3. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
4. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
5. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
6. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
7. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
8. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.


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9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
10. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
11. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
12. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more or areas with a high degree of erosion on forestland.
13. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco-sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
14. The PP shall not use plastic carry bags within the quarry area.
15. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
16. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.


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GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short-Term Permit (STP), Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.


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8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

14. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
18. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
19. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory

obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

22. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

23. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.


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ROUGH STONE/JELLY/BLUE METAL QUARRY

- 1) The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
- 2) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
- 3) The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
- 4) Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.
- 5) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 6) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 7) The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned

AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.

- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 11) The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
- 12) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology should be adopted by considering the wind direction.
- 13) The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
- 14) The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
- 15) Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
- 16) Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
- 17) The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.

- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
- 20) Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
- 21) **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.
- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.

- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- 26) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent

- shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
- 32) To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
- 33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
- 34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
- 35) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
- 36) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
- 37) All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
- 38) That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole

and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

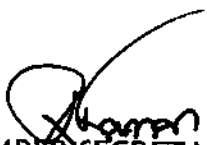
39) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.


40) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

41) As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

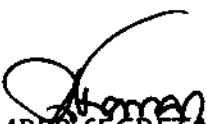
SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS

Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m Up to 500 m
1.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.
2.	Special precautions are to be taken during blasting within danger zone such as posting guards, etc.	Blast design parameters should be mentioned in mining plan/scheme. and may be reviewed by a competent mining engineer.
3.	Blast design parameters should be mentioned in mining plan/scheme.	MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively.
4.	The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval.	Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management.
5.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.
6.	Training of the blasting crew on controlled blasting practices before engaged in operation.	Training of the blasting crew on controlled blasting practices before engaged in operation.


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7.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB. Report of recorded ground vibration need to be added in monthly report.
8.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.
9.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.
10.	Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.	Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.
11.	Max. number of holes in a round: 30.	Max. number of holes in a round: 40 to 60.


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TERMS OF REFERENCE (ToR) FOR GRANITE / ROUGH STONE QUARRY

1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
 - (i) Original pit dimension
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches
 - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.

7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?

14. Quantity of minerals mined out.
 - Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.
19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.

26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along

the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Annexure II

Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
 10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- 2. Air quality monitoring and preservation:**
1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
 3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.
 4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
 5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.
 6. Wet jet shall be provided for grinding and stone cutting.
 7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.
 8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly

disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be

specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.

15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.

7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.

8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

5. A wide range of indigenous plant species should be planted as given in the Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

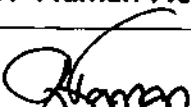
1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
- b. Traffic calming measures.
- c. Proper design of entry and exit points.
- d. Parking norms as per local regulation.

2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:


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1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Corporate Environment Responsibility:

1. The PP shall complete the CER activities, as committed, before obtaining CTE.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebeck</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Serakondrai	சர்க்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvai	நருவளி.
18	<i>Creteva adansoni</i>	Mavalingum	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காவி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகையை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில் மரம், ஆயில்
27	<i>Lanea coromandelica</i>	Odhiam	ஒத்தியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்வ மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பின்பட்டை. பின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேள்வாங்கை
46	<i>Pterospermum xylocarpum</i>	Polavu	பூவரசு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புகள் சோப்புகாய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாள் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேள் மருது
57	<i>Toona ciliate</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்குரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கோடுக்காபுளி

Appendix -III

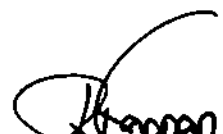
Display Board

(Size 6' x5' with Blue Background and White Letters)

-----சுரங்கம்

சுரங்கங்களில் சூவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கிழகன்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAW, தேதி உட்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பணமட பகுதி வளர்ச்சி மேம்பாட்டுக்கான அபிவிருத்தி திட்டம்	சூவாரியின் எல்லைகளைப் சுற்றி வேலி அமைக்க வேண்டும்
நடவடிக்கை	அபிவிருத்தியின் ஆழம் தளமாட்டத்திலிருந்து மீட்டிட்டு மிகாமல் இருக்க வேண்டும்
புறநகர்ப்பகுதி மேம்பாட்டு மன்றங்கள்	காற்றில் மாசு ஏற்படாதவாறு அங்கு பணிகளை மேற்கொள்ள வேண்டும்.
எல்லைகள்	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தளவாரி முறையாக தளவாரி வாரிகளின் மூலமாக அவ்வப்போது தெரிக்க வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலத்திடிவகை ஏற்படாதவாறு மற்றும் அதன் பறக்காதவாறு பாதுகாப்பு நடவடிக்கைகளை உண்டாக்க செயல்படுத்தப்பட வேண்டும்.	இரைச்சல் அமைவைப் தூசி மாசுபாட்டையும் குறைப்பதற்காக சூவாரியின் எல்லைகளை சுற்றி அடத்தியான பணமட பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டி.பி.யல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
அங்கு சட்ட விதிகள் 1988 க்கு அபிவிருத்தி உட்கட்ட பணிகளுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதற்கு கைதாழ்மூலம் வழிபாடு வசதிகளை செய்ய தர வேண்டும்.	
சுரங்கம் அல்லது பகுதியைப் பற்றி வாகனங்கள் செல்லும் சாலைகளை தொடர்த்து நன்றாக பராமரிக்க வேண்டும்.	
அபிவிருத்தியின் அளவில் உள்ள விவசாயப் பணிகள் மற்றும் திட்டங்களை பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீர் தரத்தினை தொடர்த்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்லும் போது மிகக் குறைந்த அளவு சிமெந்தினைப் ஏற்படுத்தாதவாறு பாதுகாப்புகள் மற்றும் சுற்றுச்சூழல் பாதிக்காத வகையில் வாகனங்கள் இங்கு வேண்டும்.	
அபிவிருத்தியின் முடிக்கப்பட்ட பின் அங்கு மூடல் திட்டத்தில் உள்ளவாறு அபிவிருத்தியை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் அபிவிருத்தி மற்றும் அங்கு நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய தரவாரி கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பராமடப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாறியேஷ் (http://parish.nic.in) என்பது இணையதளத்தைப் பார்க்கவும் மேலும் விவரம் சுற்றுச்சூழல் சார்ந்த புள்ளிகளுக்கு சென்னைமில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சரின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28223325 (அல்லது) துடுதுதுதுது மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறிபாண அலுவலகம்	


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