

Minutes of the 232nd Meeting of the State Expert Appraisal Committee (SEAC), Haryana constituted for considering Environmental Clearance of Projects (B Category) under Government of India Notification dated 14.09.2006 held on 06.01.2022 and 07.01.2022 under the Chairmanship of Sh. V. K. Gupta, Chairman, SEAC, through Video Conferencing (VC).

At the outset the Chairman, SEAC welcomed the Members of the SEAC and advised the Secretary to give brief background of this meeting. The minutes of the 231st Meeting were discussed in view of observations of a member and approved without any modification. In the meeting 19 no. of agenda projects received from SEIAA, were taken up for scoping, appraisal and grading as per agenda circulated.

In the wake of recent crises of COVID-19, lockdown situation, Committee took a decision to scope and appraises the EC cases as per the guidelines issued by MoEF& CC from time to time by video conferencing. It was decided that before the commencement of online video conferencing the agenda is required to be mailed beforehand. Accordingly the agenda of the present meeting was mailed to SEAC members in advance and a video conference meeting was organized in this regard on 06.01.2022 and 07.01.2022.

The 232nd meeting of SEAC Haryana was held online by video conferencing on 06.01.2022 and 07.01.2022. The following members joined the meeting:

Sr. No.	Name	Designation
1.	ShriPrabhakarVerma	Member
2.	Dr. S. N. Mishra	Member
3.	Shri Raj Kumar Sapra	Member
4	Dr.Surinder Kumar Mehta	Member
5.	Ar. Hitender Singh	Member
6.	Dr.VivekSaxena	Member
7.	Dr.Mehar Chand	Member
8.	Shri Anil Kumar Mehta	Member
9.	Sh. Gurjeet Singh (06.01.2022)	Mining Officer
10.	Dr. R. K. Chauhan, Joint Director, Environment & Climate Change Department, Haryana	Secretary

232.01 EC for the Expansion of Group Housing Project “Apex Green” at Village Kamaspur, Main GT Road, District Sonapat, Haryana by M/sApex build tech limited

Project Proponent : Not Present
Consultant : Not Present

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIS/144493/2020 on dated 20.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022 but the PP requested for the deferment of the case which was considered and acceded by the SEAC.

232.02 Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 2,59,000 MT production capacity over an area of 12.62 hectare located at Village- Bhoodkalan, Tehsil-Chhachhrauli, District- Yamuna nagar, Haryana by M/s Ganga Yamuna Mining CO.

Project Proponent : Mr.Arjun Singh
Consultant : VardanEnviro

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIN/236549/2021 on dated 20.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee

- The proposed project is for Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 2,59,000 MT production capacity over an area of 12.62 hectare located at Village- Bhoodkalan, Tehsil-Chhachhrauli, District- Yamuna nagar, Haryana
- The PP submitted the copy of DD for Rs. 1.5 lakh in favour of MS, SEIAA
- CTO was granted by HSPCB vide letter dated 26.07.2021
- Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no SEIAA/HR/2016/271, Dated 12.04.2016.
- *The PP submitted the replenishment study for the year 2020-21*
- The PP submitted the copy of 6 monthly Compliance report of 2020-21 for the month of October 2020 to March 2021.
- The PP submitted the letter regarding wildlife conservation plan from PCCF
- The First Mining plan has been approved by the DMG, Haryana vide letter dated DMF/HY/YNR B-19/10215 to 10218 Dated 07.12.2015 for 2,59,000 tonnes of ROM

The discussion was held on earlier EC granted, Validity of CTO, compliance of earlier EC condition no. 19 regarding replenishment study and following observation were raised as given below:-

1. The PP shall submit the compliance of earlier EC SEIAA/HR/2016/271, Dated 12.04.2016.
2. The PP shall submit the detailed self-contained note on the details of the mining carried out during the last 5 years
3. The PP shall submit the restoration plan and status of mining
4. The PP shall submit the status of district mineral fund
5. The PP shall submit the affidavit that mining is being carried out as per the approved mining plan.
6. The PP shall submit the copy of the approved wildlife conservation plan
7. The PP shall submit the distance of wildlife along with money deposited status
8. The PP shall submit the affidavit regarding the compliance of EC conditions
9. The PP shall submit the justification for plantation of trees sanctioned in earlier EC
10. The PP shall submit the details of existing CTE/CTO from the inception of mining
11. The PP shall submit the replenishment study from the authorised agency as per condition no. 19
12. The PP shall submit the revised feasibility report, conceptual plan
13. The PP shall submit the details of compliance of earlier green plan
14. The PP shall submit the details of the quantity of boulder and gravels in the reserves
15. The PP shall submit the layout of existing infrastructure
16. The PP shall submit the affidavit regarding the cost of the project
17. The PP shall submit the compliance of earlier CSR
18. The PP shall submit the details of GPS benchmark and permanent benchmark
19. The PP shall submit the mosaic plan marking the details of area covered under the mining out of leased area.
20. The PP shall submit the approved mining plan and DSR approved

The PP submitted the reply of above said observations along with the self contained note as following:-

- *Project is for the EC validity extension for Boulder, Gravel and Sand Minor mineral mining of "BhoodKalan Block /YNR B-19" Village BhoodKalan Block /YNR B-19, District Yamunanagar, over an area of 12.62 Hectares proposed by M/s Ganga Yamuna Mining Company. The rate of production is 2,59,000 TPA. The lease area lies of outside riverbed. The estimated project cost is INR 4.0 Crore.*
- *Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no SEIAA/HR/2016/271 Dated 12.04.2016 only for the five years.*
- *M/s Ganga Yamuna Mining Company, have been granted the Letter of Intent (LOI) by the Director General, Mines and Geology department, Haryana vide letter no DMG/HY/Cont./BhoodKalan Block /YNR B-19/2015/3927 dated 19.6.2015 for the mineral Boulder, Gravel and sand.*
- *The First Mining Plan including Progressive Mine Closure Plan was approved by the DMG, Haryana vide letter no DMG/HY/YNR B-10215 to 10218 dated 7.12.2015 for production of 2,59,000 MTPA of Boulder, Gravel and sand mineral.*

- *M/s Ganga Yamuna Mining Company obtained Environmental Clearance (EC) from State Environment Impact Assessment Authority (SEIAA) for Mining of Sand (Minor Mineral) at BhoodKalan Block /YNR B-19 over an area of 12.62 Ha. in District Yamuna Nagar, Haryana vide Letter No: SEIAA/HR/2016/271 Dated 12.04.2016 for the production capacity of 2,59,000 TPA, after obtaining Consent to Operate from the Haryana State Pollution Control Board mining operation was commenced.*
- *Now the project proponent proposed the EC validity extension as the Environment Clearance for the project granted was valid only for the five years.*

The Committee discussed that EC for the project has been granted by SEIAA Haryana vide letter SEIAA/HR/2016/271, Dated 12.04.2016 for the five years, which was valid till 11.04.2021. As per MOEF &CC notification dated 18.01.2021 the period from 1st April, 2020 to 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of prior EC granted. Thus their EC is valid in view of MOEF&CC notification.

The Committee after deliberation also decided that the PP shall submit the replenishment study of the area within one year after the start of the project. It is also decided that after the receipt of replenishment study of the area, the further decision on the environmental clearance will be taken accordingly by the committee.

After detailed discussion the committee decided to recommend the extension for one year as per MOEF &CC notification dated 18.01.2021 in the earlier EC issued **vide** SEIAA/HR/2016/271, Dated 12.04.2016 to SEIAA and other conditions will remain the same as per earlier Environment Clearance for grant of extension in EC under EIA Notification 14.09.2006 along with the additional stipulation as following:

- The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell.
- The PP shall submit the replenishment study of the area within one year after the start of the project
- The PP shall submit the status of compliance of district mineral fund
- The PP shall submit the affidavit that mining is being carried out as per the approved mining plan
- The PP shall submit the distance of wildlife along with money deposited for wildlife conservation plan
- The PP shall submit the affidavit regarding the compliance of EC conditions and cost of the project
- The PP shall submit the certified compliance report of EC from the competent authority
- *The PP shall plant remaining 1600 trees out of 2000 species as approved in EC within one year.*

232.03 Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 2,00,000 MT production capacity over an area of 9.95 hectare located at Village- BhoodMajra, Tehsil Chhachhrauli, District- Yamuna nagar, Haryanaby M/s Ganga Yamuna Mining CO.

Project Proponent :Mr.Inder Pal
Consultant : VardanEnviro

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIN/236556/2021 on dated 20.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee

- The proposed project is for Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 2,00,000 MT production capacity over an area of 9.95 hectare located at Village- BhoodMajra, Tehsil Chhachhrauli, District- Yamuna nagar, Haryanaby M/s Ganga Yamuna Mining CO.
- The PP submitted the copy of DD for Rs. 1.5 lakh in favour of MS, SEIAA
- CTO was granted by HSPCB vide letter dated 26.07.2021.
- Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no *SEIAA/HR/2016/485 Dated 27.06.2016*
- *The PP submitted the replenishment study for the year 2020-21*
- The PP submitted the copy of 6 monthly Compliance report of 2020-21 for the month of October 2020 to March 2021 .
- The PP submitted the letter regarding wildlife conservation plan from PCCF
- The First Mining plan has been approved by the DMG, Haryana vide letter *DMG/HY/MP/B.Majra /YNR B-20/ 10690 to 10693 dated 23.12.2015 for production of 2,00,000 TPA of Boulder, Gravel and sand mineral. Further, the Mining plan has been approved by Mining Department dated 02.12.2021*

The discussion was held on earlier EC granted, Validity of CTO, compliance of earlier EC condition no. 19 regarding replenishment study and following observation were raised as given below:-

- 1) The PP shall submit the compliance of earlier EC vide letter no. *SEIAA/HR/2016/485 Dated 27.06.2016*
- 2) The PP shall submit the detailed self-contained note on the details of the mining carried out during the last 5 years
- 3) The PP shall submit the restoration plan and status of mining
- 4) The PP shall submit the status of district mineral fund
- 5) The PP shall submit the affidavit that mining is being carried out as per the approved mining plan
- 6) The PP shall submit the copy of the approved wildlife conservation plan
- 7) The PP shall submit the distance of wildlife along with money deposited status
- 8) The PP shall submit the affidavit reading the compliance of EC conditions
- 9) The PP shall submit the justification for plantation of trees sanctioned in earlier EC
- 10) The PP shall submit the details of existing CTE/CTO from the inception of mining
- 11) The PP shall submit the replenishment study from the authorised agency

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- 12) The PP shall submit the revised feasibility report, conceptual plan
- 13) The PP shall submit the details of compliance of earlier green plan
- 14) The PP shall submit the details of the quantity of boulder and gravels in the reserves
- 15) The PP shall submit the layout of existing infrastructure
- 16) The PP shall submit the affidavit regarding the cost of the project
- 17) The PP shall submit the compliance of earlier CSR
- 18) The PP shall submit the details of GPS benchmark and permanent benchmark
- 19) The PP shall submit the mosaic plan marking the details of area covered under the mining out of leased area.
- 20) The PP shall submit the approved mining plan and DSR approved
- 21) The PP shall submit that Quantum mining allowed in the river will be actual replenishment or mining allotted which is less.
- 22) The PP shall set the probable replenishment checked from the reputed institution.

The PP submitted the reply of above said observations along with the self contained note as following:-

- *Project is for the EC validity extension for Boulder, Gravel and Sand Minor mineral mining of "BhoodMajra Block/YNR B-20" Village BhoodMajra Block/YNR B-20, District Yamunanagar, over an area of 9.95 Hectares proposed by M/s Ganga Yamuna Mining Co. The rate of production is 2,00,000 TPA. The lease area lies outside the riverbed. The estimated project cost is INR 3.5 Crore.*
- *Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no SEIAA/HR/2016/485 Dated 27.06.2016 only for the five years.*
- *M/s Ganga Yamuna Mining Co., have been granted the Letter of Intent (LOI) by the Director General, Mines and Geology department, Haryana vide letter no DMG/HY/Cont./B. Majra Block /YNR B-20/2015/3929 dated 19.6.2015 for the mineral Boulder, Gravel and sand.*
- *The First Mining Plan including Progressive Mine Closure Plan was approved by the DMG, Haryana vide letter no DMG/HY/MP/B.Majra /YNR B-20/ 10690 to 10693 dated 23.12.2015 for production of 2,00,000 TPA of Boulder, Gravel and sand mineral.*
- *M/s Ganga Yamuna Mining Co. obtained Environmental Clearance (EC) from State Environment Impact Assessment Authority (SEIAA) for Mining of Boulder gravel and sand (Minor Mineral) at BhoodMajra Block/YNR B-20 over an area of 9.95 Ha. in District Yamuna Nagar, Haryana vide Letter No: SEIAA/HR/2016/485 Dated 27.06.2016 for the production capacity of 2,00,000 TPA, after obtaining Consent to Operate from the Haryana State Pollution Control Board mining operation was commenced.*
- *Now the project proponent proposed the EC validity extension as the Environment Clearance for the project granted was valid only for the five years.*

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

The Committee also discussed that EC for the project has been granted by SEIAA Haryana vide letter *SEIAA/HR/2016/485 Dated 27.06.2016* for the five years, which was valid till 26.06.2021. As per MOEF &CC notification dated 18.01.2021 the period from 1st April, 2020 to 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of prior EC granted. Thus their EC is valid in view of MOEF&CC notification. The Mining plan is approved by Mining Department vide letter dated 02.12.2021.

The Committee after deliberation also decided that the PP shall submit the replenishment study of the area within one year after the start of the project. It is also decided that after the receipt of replenishment study of the area, the further decision on the environmental clearance will be taken accordingly by the committee.

After detailed discussion the committee decided to recommend the extension for one year as per MOEF &CC notification dated 18.01.2021 in the earlier EC issued *SEIAA/HR/2016/485 Dated 27.06.2016* to SEIAA and other conditions will remain the same as per earlier Environment Clearance for grant of extension in EC under EIA Notification 14.09.2006 along with the additional stipulation as following:-

- The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell.
- The PP shall submit the replenishment study of the area within one year after the start of the project
- The PP shall submit the status of compliance of district mineral fund
- The PP shall submit the affidavit that mining is being carried out as per the approved mining plan
- The PP shall submit the distance of wildlife along with money deposited for wildlife conservation plan
- The PP shall submit the affidavit reading the compliance of EC conditions and cost of the project
- The PP shall submit the certified compliance report of EC from the competent authority
- *The PP shall plant remaining 1600 trees out of 2000 species as approved in EC within one year.*

232.04 Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 9,10,000 MT production capacity over an area of 48.60 hectare located at Village- Jhidhari Block/YNR B-33, Tehsil- Chhachhrauli, District- Yamuna nagar, Haryana by M/s PS Buildtech.

Project Proponent : Mr.kulwinder Singh
Consultant : VardanEnviro

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIN/237126/2021 on dated 20.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee

- The proposed project is Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 9,10,000 MT production capacity over an area of 48.60 hectare located at Village- Jhidhari Block/YNR B-33, Tehsil- Chhachhrauli, District- Yamuna nagar, Haryana by M/s PS Buildtech
- The PP submitted the copy of DD for Rs. 1.5 lakh in favour of MS, SEIAA
- CTO was granted by HSPCB vide letter dated 25.01.2017, 01.08.2018 21.05.2020, 02.08.2021 respectively.
- Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no *SEIAA/HR/2016/741 Dated 15.09.2016*
- *The PP submitted the DSR report dated 11.08.2017*
- The PP submitted the copy of 6 monthly Compliance report of 2020-21 for the month of October 2020 to March 2021 .
- The First Mining plan has been approved by the DMG, Haryana vide letter *DMG/HY/Jaidhari/YNR B-33/2015, 3114 dated 10.06.2016 of Boulder Gravel and Sand mineral. Further, the Mining plan has been approved by Mining Department dated 01.12.2021*

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The discussion was held on earlier EC granted, Validity of CTO, compliance of earlier EC condition no. 19 regarding replenishment study and following observation were raised as given below:-

1. The PP shall submit the compliance of earlier *SEIAA/HR/2016/741 Dated 15.09.2016*
2. The PP shall submit the detailed self contained note on the details of the mining carried out during the last 5 years
3. The PP shall submit the restoration plan and status of mining
4. The PP shall submit the status of district mineral fund
5. The PP shall submit the affidavit that mining is being carried out as per the approved mining plan
6. The PP shall submit the copy of the approved wildlife conservation plan
7. The PP shall submit the distance of wildlife along with money deposited status
8. The PP shall submit the affidavit reading the compliance of EC conditions
9. The PP shall submit the justification for plantation of trees sanctioned in earlier EC
10. The PP shall submit the details of existing CTE/CTO from the inception of mining
11. The PP shall submit the replenishment study from the authorised agency
12. The PP shall submit the revised feasibility report, conceptual plan
13. The PP shall submit the details of compliance of earlier green plan
14. The PP shall submit the details of the quantity of boulder and gravels in the reserves
15. The PP shall submit the layout of existing infrastructure
16. The PP shall submit the affidavit regarding the cost of the project
17. The PP shall submit the compliance of earlier CSR
18. The PP shall submit the details of GPS benchmark and permanent benchmark

19. The PP shall submit the mosaic plan marking the details of area covered under the mining out of leased area.
20. The PP shall submit the approved mining plan and DSR approved
21. The PP shall submit that Quantum mining allowed in the river will be actual replenishment or mining allotted which is less.
22. The PP shall set the probable replenishment checked from the reputed institution.

The PP submitted the reply of above said observations along with the self contained note as following:-

- *Project is for the EC validity extension for Boulder, Gravel and Sand Minor mineral mining of Jhidhari Block/YNR B-33 (Outside Riverbed) located at District Yamuna Nagar, Haryana proposed over an area of 48.60 Ha. by M/s P.S. Buildtech. The rate of production is 9,10,000 TPA. The lease area lies of outside riverbed. The estimated project cost is INR 9.0 Crore.*
- *Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no SEIAA/HR/2016/741 Dated 15.09.2016 only for the five years.*
- *M/s P.S. Buildtech, have been granted the Letter of Intent (LOI) by the Director General, Mines and Geology department, Haryana vide letter no DMG/HY/Cont./Jaidhari /YNR B-33/2015/10068 dated 30.11.2015 for the mineral Boulder, Gravel and sand.*
- *The First Mining Plan including Progressive Mine Closure Plan was approved by the DMG, Haryana vide letter no. DMG/HY/Jaidhari/YNR B-33/2015, 3114 dated 10.06.2016 of Boulder Gravel and Sand mineral.*
- *M/s P.S. Buildtech obtained Environmental Clearance (EC) from State Environment Impact Assessment Authority (SEIAA) for Mining of Sand (Minor Mineral) at Jhidhari Block/YNR B-33 over an area of 48.60 Ha. in District Yamuna Nagar, Haryana vide Letter No: SEIAA/HR/2016/741 dated 15.9.2016 for the production capacity of 9,10,000 TPA, after obtaining Consent to Operate from the Haryana State Pollution Control Board mining operation was commenced.*
- *Now the project proponent proposed the EC validity extension as the Environment Clearance for the project granted was valid only for the five years.*

The PP also submitted the affidavit that

- *All the conditions of EC are being complied*
- *They have planted 600 trees out of 3000 species and 2400 will be planted in due course*

The Committee also discussed that EC for the project has been granted by SEIAA Haryana vide letter SEIAA/HR/2016/741 Dated 15.09.2016 for the five years, which was valid till 14.09.2021. As per MOEF &CC notification dated 18.01.2021 the

period from 1st April, 2020 to 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of prior EC granted. Thus their EC is valid in view of MOEF&CC notification.

The Committee after deliberation also decided that the PP shall submit the replenishment study of the area within one year after the start of the project. It is also decided that after the receipt of replenishment study of the area, the further decision on the environmental clearance will be taken accordingly by the committee.

After detailed discussion the committee decided to recommend the extension for one year as per MOEF &CC notification dated 18.01.2021 in the earlier EC issued **vide SEIAA/HR/2016/741 Dated 15.09.2016** to SEIAA and other conditions will remain the same as per earlier Environment Clearance for grant of extension in EC under EIA Notification 14.09.2006 along with the additional stipulation as

- The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell.
- The PP shall submit the replenishment study of the area within one year after the start of the project
- The PP shall submit the status of district mineral fund
- The PP shall submit the copy of the approved wildlife conservation plan
- The PP shall submit the distance of wildlife sanctuary from the project
- *The PP shall plant remaining 2400 trees out of 3000 species approved in EC within one year.*

232.05 Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 19,50,000 MT production capacity over an area of 44.14 hectare located at Village- Kanalsi, Tehsil- Chhachhrauli, District- Yamuna nagar, Haryana by M/s P.S. Buildtech

Project Proponent : Mr.kulwinder Singh
Consultant : VardanEnviro

The Project was submitted to the SEIAA vide online Proposal No. SIA/HR/MIN/237132/2021 on dated 20.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 1(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 28.12.2021. The PP presented the case before the committee

- The proposed project is for Extension of Validity of EC for proposed project Mining of sand minor mineral from the riverbed Yamuna river with 19,50,000 MT production capacity over an area of 44.14 hectare located at Village- Kanalsi, Tehsil- Chhachhrauli, District- Yamuna nagar, Haryana by M/s P.S. Buildtech
- The PP submitted the copy of DD for Rs. 1.5 lakh in favour of MS, SEIAA
- CTO was granted by HSPCB vide letter dated 14.12.2016,25.01.2017,06.08.2018,07.10.2019, 22.07.2020,02.08.2021.

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- The PP submitted the copy of 6 monthly Compliance report of 2020-21 for the month of October 2020 to March 2021.
- Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no *SEIAA /HR /2016/ 746 Dated 15.09.2016*
- The First Mining plan has been approved by the DMG, Haryana vide letter Dated 10.06.2016 for 19,50,000 MT of ROM. Further, the Mining plan has been approved by Mining Department dated 01.12.2021

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The discussion was held on earlier EC granted, Validity of CTO, compliance of earlier EC condition no. 19 regarding replenishment study and following observation were raised as given below:-

1. The PP shall submit the compliance of earlier EC *SEIAA/HR/2016/746 Dated 15.09.2016*
2. The PP shall submit the detailed self contained note on the details of the mining carried out during the last 5 years
3. The PP shall submit the restoration plan and status of mining
4. The PP shall submit the status of district mineral fund
5. The PP shall submit the affidavit that mining is being carried out as per the approved mining plan
6. The PP shall submit the copy of the approved wildlife conservation plan
7. The PP shall submit the distance of wildlife along with money deposited status
8. The PP shall submit the affidavit reading the compliance of EC conditions
9. The PP shall submit the justification for plantation of 1000 trees instead of 5000 trees sanctioned in earlier EC
10. The PP shall submit the details of existing CTE/CTO from the inception of mining
11. The PP shall submit the replenishment study from the authorised agency
12. The PP shall submit the revised feasibility report, conceptual plan
13. The PP shall submit the details of compliance of earlier green plan
14. The PP shall submit the details of the quantity of boulder and gravels in the reserves
15. The PP shall submit the layout of existing infrastructure
16. The PP shall submit the affidavit regarding the cost of the project
17. The PP shall submit the compliance of earlier CSR
18. The PP shall submit the details of GPS benchmark and permanent benchmark
19. The PP shall submit the mosaic plan marking the details of area covered under the mining out of leased area.
20. The PP shall submit the approved mining plan and DSR approved

The PP submitted the reply of above said observations along with the self contained note as following:-

- *Project is for the EC validity extension for Boulder, Gravel and Sand Minor mineral mining of "Kanalsi Block/YNR B-5" Village Kanalsi, Tehsil Chhachhrauli, District Yamunanagar, over an area of 44.14 Hectares proposed by M/s P.S. Buildtech. The rate of production is 19,50,000 TPA. The lease area lies of Yamuna riverbed. The estimated project cost is INR 5.00 Crore.*

- *Environment Clearance for the project has been granted by SEIAA Haryana vide letter by SEIAA Haryana vide letter no SEIAA/HR/2016/746 Dated 15.09.2016 only for the five years.*
- *M/s P.S. Buildtech., have been granted the Letter of Intent (LOI) by the Director General, Mines and Geology department, Haryana vide letter no DMG/HY/Cont./Kanalsi/YNR B-5/2015/10072 dated, 30.11.2015 for the mineral Boulder Gravel and sand.*
- *The first Mining plan for the mineral Boulder Gravel and sand has been approved by the Department of Mines and Geology, Haryana vide letter no DMG/HY/MP/Kanalsi YNR B-5/2015 /3095 dated 10.06.2016 for production of 19,50,000 TPA.*
- *M/s P.S. Buildtech, obtained Environmental Clearance (EC) from State Environment Impact Assessment Authority (SEIAA) for Mining of Boulder Gravel and Sand (Minor Mineral) at Kanalsi Block/YNR B-5 over an area of 44.14 Ha. in District Yamuna Nagar, Haryana vide Letter No: SEIAA/HR/2016/746 dated 15.09.2016 for the production capacity of 19,50,000 TPA, after obtaining Consent to Operate from the Haryana State Pollution Control Board mining operation was commenced.*
- *Now the project proponent proposed the EC validity extension as the Environment Clearance for the project granted was valid only for the five years.*

The PP also submitted the affidavit that

- *All the conditions of EC are being complied*
- *They have planted 1000 trees out of 5000 species and 4000 will be planted in due course*

The Committee also discussed that EC for the project has been granted by SEIAA Haryana vide letter *SEIAA/HR/2016/746 Dated 15.09.2016* for the five years, which was valid till 14.09.2021. As per MOEF &CC notification dated 18.01.2021 the period from 1st April, 2020 to 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of prior EC granted. Thus their EC is valid in view of MOEF&CC notification. The Mining plan is approved by Mining Department vide letter dated 01.12.2021.

The Committee after deliberation also decided that the PP shall submit the replenishment study of the area within one year after the start of the project. It is also decided that after the receipt of replenishment study of the area, the further decision on the environmental clearance will be taken accordingly by the committee.

After detailed discussion the committee decided to recommend the extension for one year as per MOEF &CC notification dated 18.01.2021 in the earlier EC issued **vide letter no. SEIAA/HR/2016/746 Dated 15.09.2016** to SEIAA and other conditions will remain the same as per earlier Environment Clearance for grant of

extension in EC under EIA Notification 14.09.2006 along with the additional stipulation as

- The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell.
- The PP shall submit the replenishment study of the area within one year after the start of the project
- The PP shall submit the status of district mineral fund
- The PP shall submit the affidavit that mining is being carried out as per the approved mining plan
- The PP shall submit the copy of the approved wildlife conservation plan
- The PP shall submit the distance of wildlife sanctuary from the project site.
- *The PP shall plant remaining 4000 trees out of 5000 species approved in EC within one year*

232.06 EC for Expansion cum Modification of Group Housing Colony at Village Garauli Kalan, Sector 37-D, Gurugram, Haryana of land measuring 13.156 acres by M/s Ramprastha Promoters & Developers Pvt Ltd.

Project Proponent: Not present
Consultant : Not Present

The PP submitted the final EIA/EMP report for the project vide online Proposal No No. SIA/HR/MIS/68492/2021 on dated 02.11.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8(b) of EIA Notification 14.09.2006.

- The Proposed project is for EC for Expansion cum Modification of Group Housing Colony at Village GarauliKalan, Sector 37-D,Gurugram, Haryana of land measuring 13.156 acres by M/s Ramprastha Promoters & Developers Pvt Ltd
- The Auto TOR generated in 16.08.2021.
- Earlier EC was granted vide letter dated 30.06.2014 and extension in EC vide letter dated 12.03.2021
- The PP submitted the copy of DD of Rs. 2 lakh as scrutiny fees in favour of MS, SEIAA

The case was taken up in 232nd meeting of SEAC held on 06.01.2022 but the PP requested for the deferment of the case which was considered and acceded by the SEAC.

232.07 EC for Project Expansion of construction of “Independent Floors” at DLF Garden City, Village Bhangrola, Mewka, Dhorka&Hayatpur, Sector 91 & 92, Gurugram, Haryana by M/s DLF Utilities Limited.

Project Proponent : Mr. R.C Bakshi
Consultant : Perfect Enviro

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/244454/2021 on dated 22.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance for expansion under Category 8(a) of EIA Notification 14.09.2006.

Thereafter, the case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee.

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

- The proposed project is for EC for Project- Construction of “Independent Floors” at DLF Garden City, Village Bhangrola , Mewka, Dhorka&Hayatpur, Sector 91 & 92, Gurugram, Haryana by M/s DLF Utilities Limited
- Earlier EC has been granted to the project vide letter No. 192 dated 18.02.2021
- The project is on **concept basis** as building plans are not approved from the competent authority
- License No. 59 of 2011 has been granted to the project vide letter dated 28.06.2011 for an area measuring 101.218acres which has been renewed upto 27.06.2019 and License No. 13 of 2019 has been granted to the project in the name of Nayef Estate Pvt. Ltd. &others in collaboration with M/s DLF Utilities Limited for an additional area 16.25acres (after excluding 2.10acres) vide letter dated 06.02.2019 which is valid upto 05.02.2024.
- The PP submitted the copy of DD for Rs2 lakh in favour of MS, SEIAA
- Sultanpur National Park lies within 5.30km from the project site.
- The project falls under Gurugram 2031 Master Plan

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

Table 1: Basic details

Name of the Project: Expansion of Construction of “Independent Floors” at DLF Garden City, Village- Bhangrola, Mewka, Dhorka & Hayatpur, Sector- 91 & 92, Gurugram.				
Sr. No.	Particulars	Existing	Expansion	Total Area (in m²)
1.	Online Proposal Number	SIA/HR/MIS/244454/2021		
2.	Latitude	28°24'10.17"N		
3.	Longitude	76°55'3.99"E		
4.	Plot Area	21080.8 m ²	6846.0 m ²	27927 m ²
5.	Net Plot Area	-	-	-
6.	Proposed Ground Coverage	12,863.70 m ²	4,373.96 m ²	17,238 m ²

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

7.	Proposed FAR	51454.6 m ²	17,495.80 m ²	68,950 m ²
8.	Non FAR Area including basement	46903.10 m ²	16,048.40 m ²	62952 m ²
9.	Total Built Up area	98,357.70 m ²	33,544.30 m ²	131,902 m ²
10.	Total Green Area with %	1,331.40 m ²	Lawn area will be developed in the individual plots.	
11.	Rain Water Harvesting Pits (with size)	58 pits	25 pits	83 pits (1 pit per plot)
12.	STP Capacity	3800 KLD (2000 KLD +1800 KLD) existing STP of township		
13.	Total Parking	232 ECS	100 ECS	332 ECS
14.	Organic Waste Converter	1 No. OWC	1 No. OWC	2 No. OWC
15.	Maximum Height of the Building (m)	15 m		
16.	Power Requirement	2009 kVA	713 kVA	2722 kVA
17.	Power Backup	2 x 1010 kVA	1x 1010 kVA	(3 x 1010) kVA
18.	Total Water Requirement	150 KLD	63 KLD	213 KLD
19.	Domestic Water Requirement	107 KLD	46 KLD	153 KLD
20.	Fresh Water Requirement	107 KLD	46 KLD	153 KLD
21.	Treated Water	110 KLD	47 KLD	157 KLD
22.	Waste Water Generated	122 KLD	52 KLD	174 KLD
23.	Solid Waste Generated	761 kg/day	328 kg/day	1089 kg/day
24.	Biodegradable Waste	460 kg/day	199 kg/day	659 kg/day
25.	Number of Towers	58 Independent Floors	25 Independent Floors	Total 83 (58 + 25 =83) Independent Floors after expansion.

26.	Dwelling Units/ EWS		DU- 232 No. (4 BHK- 228 no and 3BHK- 4 no)	DU- 100 No. (4 BHK- 100 no and 3BHK- 0 no)	Dwelling Units: 332 (4 BHK- 328 & 3 BHK- 4 no.)
27.	Basement		1		
28.	R+U Value of Material used (Glass)		Single glazing glass will be used	-	R value- 0.35 U value- 2.8
29.	Total Cost of the project :	i) Land Cost	Rs. 52.04 Crore	Rs. 4.96 Crores	57 Crore
		ii) Construction Ct	Rs. 212.0 Crores	Rs. 97 Crores	309 Crore
31.	EMP Budget		Capital cost: Rs.301 Lacs Recurring cost: Rs. 32 Lacs/year		
32.	Incremental Load in respect of:	i) PM 2.5	0.303 µg/m ³	-	0.306 µg/m ³
		ii) PM 10	0.321 µg/m ³	-	0.331 µg/m ³
		iii) SO ₂	0.207 µg/m ³	-	0.204 µg/m ³
		iv) NO ₂	3.45 µg/m ³	-	3.46 µg/m ³
		v) CO	0.005 µg/m ³	-	0.008 µg/m ³
33.	Const ructio n Phase :	i) Power Back-up	2 x125 & 1x 62.5 kVA		
		ii) Water Requirement & Source	Source- STP treated water 14 KLD		
		iii) STP (Modular)	STP of 3800 KLD (2000 KLD + 1800 KLD in the township)		
		iv) Anti-Smoke Gun	1		

Table 2: EMP BUDGET

S.no	Description	Capital Cost in Rs.Lacs	Recurring Cost in Rs.Lacs per Annum
1	Landscaping	45.0	10.0
2	Use of Solar	50.0	1.0
3	Rainwater Harvesting	10.0	1.5
4	Water Conservation (Dual Plumbing within Plots, Low Flow Fixtures, etc.)	150	10.0
5	Solid Waste Management (Collection / Storage)	14,0	5.5
6	Organic Waste Treatment Facility	7.0	3.0
7	Energy Efficient Appliances /Transformer/ Equipment / Lights, etc.	20.0	1.0
8	Social Activities	5.0	0
	TOTAL	Rs 301.0 lakhs	Rs 32.0 Lakhs/ Annum

The discussion was held on tangible EMP , air dispersion modelling, fire rescue plan (SOP), Green Plan, Mosaic Plan, Traffic Circulation Plan, RWH, Geo Technical Plan , building plan etc. and certain observations were raised as following:-

1. The PP shall submit the tangible EMP
2. The PP shall submit the affidavit regarding the possession of plots
3. The PP shall submit the self contained note
4. The PP shall submit the built up area details and no. of plots as per the discussion
5. The PP shall submit the wildlife activity plan and distance of wildlife from the project site
6. The PP shall submit the micromet data for air dispersion modeling
7. The PP shall submit the Green Development Plan
8. The PP shall submit the undertaking of earlier green area
9. The PP shall submit the detail of construction of independent floors
10. The PP shall submit the Fire safety and fire rescue plan (SOP).
11. The PP shall submit the Percentage of energy savings.
12. The PP shall submit the location of RWH structure on plan
13. The PP shall submit the Air Simulation plan
14. The PP shall submit the Geo Technical Plan
15. The PP shall submit the Traffic Study
16. The PP shall submit the building plan of each type of unit with details
17. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project
18. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (___) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
19. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

20. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of “Dual plumbing”.

The PP submitted the reply of above said observations vide letter dated 06.01.2022. The PP also submitted that they have already submitted wildlife activity plan for the same project area mentioned vide EC dated 18.02.2021. The committee deliberated and considered the request of the PP

The documents were placed before the committee and committee after discussion considered the reply and after deliberations the Committee rated this project with “**Gold Rating**” and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific conditions:-

1. Sewage shall be treated in the modular STP based on latest Technology to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening
2. The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
3. The PP shall ensure that total 2% of the cost of project shall be spent on EMP Budget. However, the amount and component shown in EMP table above shall also be included for the purpose of 2% amount. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell as per documents submitted.
4. The PP shall not carry out any construct above and below revenue rasta passing through the project and ensure that permission of the competent authority shall be obtained before carry out any construction above or below the revnue rasta. The PP shall put notice board on the revenue rasta for the passer byes.
5. The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
6. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
7. Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.
8. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time

9. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm 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. As proposed 1,331.40 m² (4.7 % of net plot area) shall be provided for Green Area development for whole project.
10. 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.
11. Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.
12. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
13. The PP shall obtain the Fire NOC from the Competent Authority before taking the occupation of the building.
14. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the So2 load by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency
15. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
16. The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
17. The PP shall obtain the permission regarding withdrawal of ground water, if any from HWRA/CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from HWRA/CGWA.
18. The PP shall carry out the quarterly awareness programs for the stakeholders of the project.
19. 25 Rain water harvesting recharge pits(1 for each plot) in addition to 58 pits shall be provided for ground water recharging as per the CGWB norms.
20. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 83 RWH pits.
21. The PP shall provide the Anti smog gun mounted on vehicle in the project for suppression of dust during construction & operational phase and shall use the treated water, if feasible.
22. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
23. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory Compliance:

- [1] The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent 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 lightening 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 Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl 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, 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, the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.
- [10] The project proponent shall follow the ECBC Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

I Air Quality Monitoring and Preservation

- i. 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.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra lowsulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- v. 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.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. 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.

- x. The diesel generator sets to be used during construction phase shall be ultra lowsulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. 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. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

- i. 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 rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- iv. The quantity of fresh water 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 six monthly Monitoring reports.
- v. 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.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. 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.
- viii. 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.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law provisions on rain water 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. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water 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 fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. All recharge should be limited to shallow aquifer.
 - xiv. No ground water shall be used during construction phase of the project.
 - xv. 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.
 - xvi. The quantity of fresh water 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 six monthly Monitoring reports.
 - xvii. 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, no treated water shall be disposed in to municipal drain.
 - xviii. No sewage or untreated effluent water would be discharged through storm water drains.
 - xix. Onsite sewage treatment of capacity of treating 100% waste water 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 waste water 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.
 - xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
 - xxi. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III Noise Monitoring and Prevention

- i. Ambient noise levels shall conform to residential area/commercial area 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.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. 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.

IV Energy Conservation Measures

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.
- ii. Outdoor and common area lighting shall be LED.

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- iii. 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 R & U-values shall be as per ECBC specifications.
- iv. 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.
- v. 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 bye-laws requirement, whichever is higher.
- vi. 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 bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- vii. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

V Waste Management

- i. 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.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.
- iii. 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.
- iv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. 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.
- vii. Use of environment 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 environment friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x. 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.

VI Green Cover

- i. 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).
- ii. A minimum of 1 tree (5' tall) 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.
- iii. 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.
- iv. 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.

VII Transport

- i. 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.
- ii. Vehicles hired for bringing 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.
- iii. 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.

VIII Human Health Issues

- i. 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.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. Provision shall be made for the housing of construction labour within the site with

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

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.

- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

IX Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions of CER, as applicable.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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 six-monthly report.
- iii. 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.
- iv. 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 Six Monthly Compliance Report.

X Miscellaneous

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. 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 has to display the same for 30 days from the date of receipt.
- iii. 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.
- iv. The project proponent shall submit six-monthly reports 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.
- v. 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.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, 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.

- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- x. Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xii. 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.
- xiii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this 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.
- xvi. 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.

232.08 EC for Expansion of Industrial Unit in the Revenue Estate of Village Baghola, Tehsil and District Palwal, Haryana by M/S Knorr Bremse India Pvt. Ltd.

Project Proponent : Not Present
Consultant : Not Present

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/241569/2021 on dated 28.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance for expansion under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022 .The PP and consultant appeared before the committee and requested for the deferment of the case which was considered and acceded by the SEAC.

232.09 EC of Revision and Expansion of Logistic Park Project at Village Aurangabad, Mitnol & Deeghot, Tehsil Hodal, District Palwal, Haryana by M/s Topline Logistics Park Private Limited

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

Project Proponent : Not Present
Consultant : Not Present

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/240332/2021 on dated 28.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance for expansion under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022 .The PP and consultant appeared before the committee and requested for the deferment of the case which was considered and acceded by the SEAC.

232.10 EC for Affordable Group Housing Colony Project located at Revenue Estate of Village Dhanwapur, Sector 104, Gurugram, Haryana by Sh. Bhoop Singh & others in collaboration with CzarBuildwellPvt. Ltd.

Project Proponent : Mr. Ashok Punia
Consultant : Grass Root technology Pvt. Ltd.

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/226216/2021 on dated 08.10.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee.

- The proposed project is for EC for Affordable Group Housing Colony Project located at Revenue Estate of Village Dhanwapur, Sector 104, Gurugram, Haryana by M/s CzarBuildwellPvt. Ltd.
- Sultanpur National Park lies within 9.7km from the project site
- The license no. 66 of 2021 has been granted to the project vide letter dated 07.09.2021 which is valid upto 06.09.2026
- The PP submitted the copy of DD for Rs. 2 lakh in favour of MS, SEIAA
- Building plan has been approved vide letter dated 22.10.2021 from the competent authority.
- Zoning plan has been approved for an area measuring 10.44 acres vide letter no. 7901 dated 08.09.2021 in the name of Sh. Bhoop Singh & others in collaboration with Czar Buildwell Pvt. Ltd.
- The project falls under Gurugram Manesar Master Plan 2031

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

TABLE 1: BASIC DETAILS

Name of the Project: Affordable Group Housing Colony Project at Revenue estate of Villa Dhanwapur, Sector-104, Gurugram, Haryana by M/s CzarBuildwellPvt. Ltd.		
Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/226216/2021
2.	Latitude	28°28'53.40"N
3.	Longitude	76°59'40.65"E
4.	Plot Area	42,264.290 m ²
5.	Net Plot Area	42,264.290 m ²

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

6.	Proposed Ground Coverage	8,500.316m ²	
7.	Proposed FAR	98,042.606m ²	
8.	Non FAR Area	46,923.828m ²	
9.	Total Built Up area	1,44,966.434m ²	
10.	Total Green Area with %	8,452.88 m ² (@20.0% of the plot area)	
11.	Rain Water Harvesting Tanks (with size)	1 RWH Tank of 350 KLD	
12.	STP Capacity	2 nos. (270 KLD & 475 KLD)	
13.	Total Parking	1533 ECS	
14.	Organic Waste Converter	1	
15.	Maximum Height of the Building (m)	87m	
16.	Power Requirement	8000 kVA	
17.	Power Backup	2 no. of DG sets of total capacity 1200 kVA (2*600 kVA)	
18.	Total Water Requirement	722 KLD	
19.	Domestic Water Requirement	696 KLD	
20.	Fresh Water Requirement	507 KLD	
21.	Treated Water	527 KLD	
22.	Waste Water Generated	594 KLD	
23.	Solid Waste Generated	4,289 kg/day	
24.	Biodegradable Waste	3,088 kg/day	
25.	Number of Towers	8 Towers + 6 Commercial	
26.	Dwelling Units/ EWS	1483	
27.	Basement	40,999.038 m ²	
28.	Community Center	446.128 m ²	
29.	Stories	28 Floors	
30.	R+U Value of Material used (Glass)	2.67 W/m ² deg C	
31.	Total Cost of the project:	i) Land Cost	199.03 Crores
		ii) Construction Cost	
32.	EMP Budget (per year)	i) Capital Cost	302.5 Lakhs
		ii) Recurring Cost	38.745 Lakh / year
33.	Incremental Load in respect of:	i) PM 2.5	0.00369 µg/m ³
		ii) PM10	0.006147 µg/m ³
		iii) SO ₂	0.07 µg/m ³
		iv) NO ₂	0.00053 µg/m ³
		v) CO	0.0026 µg/m ³
34	Status of Construction		
35.	Construction Phase:	i) Power Back-up	2 no. of DG sets of total capacity 1200 kVA (2*600 kVA)
		ii) Water Requirement & Source	300 KLD; Source- Tanker
		iii) STP (Modular)	1
		iv) Anti-Smoke Gun	1

TABLE 2: EMP BUDGET

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	74.5	17.5
Rain Water Harvesting System	16.5	4.125
Solid Waste Management	8.5	2.12
Environmental Monitoring	Nil	9.0
Green Area Development	5	1.25
Others (Energy saving devices, miscellaneous)	10.0	2.5
Socio-economic		
Providing Water Coolers in Kings International School and MPS World School	34	--
Providing laptops and mobile phones to the meritorious students at Dronacharya College of Engineering and DS College	39	--
Setting up solar enabled street lighting at Tikampur and Dhanwanpur Village	35	--
Providing medical Equipments to ESIC dispensary and Shree Balaji Hospital	46	--
Development of Miyawaki Forest in Dhanwapur and Tikampur Villages	25	--
Fund allocated for Wild Life Conservation		
Digging of Ponds	3.0	0.75
Construction of feeding Platforms and enclosure	2.0	0.5
Plantation of tress	2.0	0.5
Putting artificial nests on tress	1.0	0.25
Awareness Generation	1.0	0.25
TOTAL	302.5	38.745

The discussion was held on STP, fire fighting & fire rescue SOP, Green plan, building plan etc and certain observations were raised vide letter dated and certain observations were raised as following:-

1. The PP shall submit the revised plans for STP and details of two STP's provided in the project area

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

2. The PP shall submit the calculations as per the revised calculation
3. The PP shall submit the fire fighting and fire rescue SOP
4. The PP shall submit the Green plan
5. The PP shall submit the details of STP sludge in form I
6. The PP shall submit the accurate details of units as per approved building plan
7. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the project
8. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (____PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the “Incremental Pollution Load” and those are true to best of our knowledge.
9. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
10. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of “Dual plumbing”.

The PP submitted the reply of above said observation and also submitted that ground water depth of the project site varies from 4.30m to 6.3m below the ground level , so the Committee decided that RWH Tank will be provided instead of RWH pit

- The PP submitted Rs.9Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan.

The documents were placed before the committee. The committee after discussion considered the reply and rated this project with “**Gold Rating**” and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific conditions:-

- 1) Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening. The dimension of each component of STP should be properly designed as per Norms.
- 2) The PP shall spent Rs.9Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan
- 3) The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
- 4) The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water

being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.

- 5) Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to dumping site.
- 6) Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
- 7) The PP is required to plant 10 times trees at the project site and compensatory tree plantation will be done @1:10. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm 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. As proposed 8,452.88 m² (@20.0% of the plot area) shall be provided for green area development.
- 8) The PP shall not carry any construction below the 220KV HT Line passing through the project
- 9) 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.
- 10) The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO₂ load by 30% if HSD is used
- 11) Consent to establish/operate for the expansion project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.
- 12) The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
- 13) The PP shall not carry any construction above or below the Revenue Rasta, if any
- 14) The PP shall not carry any construction below the HT Line passing through the project, if any.
- 15) The PP shall obtain the Fire NOC from the Competent Authority before taking occupation of the building.
- 16) The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
- 17) The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.

- 18) The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA.
- 19) The PP shall carry out the quarterly awareness programs for the stakeholders of the commercial colony/project.
- 20) 1Rain Water Harvesting tank shall be provided for rainwater usages as per the CGWB norms.
- 21) The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
- 22) Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory compliance:

- [1] The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent 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 lightening 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 Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl 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, 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 Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

I Air Quality Monitoring and Preservation

- i. 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.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout 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.
- iv. Diesel power generating sets proposed as source of backup power should be of

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board

- v. 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.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. 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.
- x. The diesel generator sets to be used during construction phase shall be ultra low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. 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. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

- i. 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 rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- iv. The quantity of fresh water 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 six monthly Monitoring reports.
- v. 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.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. 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.
 - ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
 - x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 - xi. The local bye-law provisions on rain water 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. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
 - xii. A rain water 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 fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
 - xiii. All recharge should be limited to shallow aquifer.
 - xiv. No ground water shall be used during construction phase of the project.
 - xv. 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.
 - xvi. The quantity of fresh water 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 six monthly Monitoring reports.
 - xvii. 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, no treated water shall be disposed in to municipal drain.
 - xviii. No sewage or untreated effluent water would be discharged through storm water drains.
 - xix. Onsite sewage treatment of capacity of treating 100% waste water 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 waste water 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.
 - xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
 - xxi. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III Noise Monitoring and Prevention

- i. Ambient noise levels shall conform to residential area/commercial area 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

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- stipulated standards by CPCB / SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. 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.

IV Energy Conservation Measures

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.
- ii. Outdoor and common area lighting shall be LED.
- iii. 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 R & U-values shall be as per ECBC specifications.
- iv. 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.
- v. 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 bye-laws requirement, whichever is higher.
- vi. 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 bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- vii. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

V Waste Management

- i. 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.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.
- iii. 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.
- iv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

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 environment friendly materials.

- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x. 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.

VI Green Cover

- i. 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).
- ii. A minimum of 1 tree (5' tall) 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.
- iii. 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.
- iv. 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.

VII Transport

- i. 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.
- ii. Vehicles hired for bringing 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.
- iii. 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.

VIII Human Health Issues

- i. 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.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. 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.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

IX Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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 six-monthly report.
- iii. 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.
- iv. 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 Six Monthly Compliance Report.

X Miscellaneous

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. 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 has to display the same for 30 days from the date of receipt.

- iii. 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.
- iv. The project proponent shall submit six-monthly reports 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.
- v. 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.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, 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.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- x. Any change in planning of the approved plan will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xi. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xii. 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.
- xiii. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this 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.
- xvi. 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.

232.11 EC for Proposed "Affordable Group Housing Colony" at Village Ullawas, Sector 62, Gurugram, Haryana of land measuring 5.7875 acres by M/s Gulmohar Finance Ltd. in Collaboration with Synergysine Infra LLP

Project Proponent : Mr. Balramjha
Consultant : Vardan Enviro

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/233253/2021 on dated 28.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee

- The proposed project is for EC for Proposed “Affordable Group Housing Colony” at Village Ullawas, Sector 62, Gurugram, Haryana of land measuring 5.7875 acres by M/s Gulmohar Finance Ltd. in Collaboration with Synergyshine Infra LLP
- The license No. 43 of 2021 has been granted to the project vide letter dated 29.07.2021 which is valid upto 28.07.2026
- The PP submitted copy of DD of Rs. 2 Lakh in favour of MS, SEIAA
- Zoning plan has been approved for an area measuring 5.7875 in the name of Synergyshine Infra LLP in collaboration with M/s Gulmohar Finance Ltd.
- The project is on concept basis as building plans are not approved from the competent Authority
- Asola Bhatti Wildlife Sanctuary falls within 7.2km from the project site.
- The project falls under Gurugram Manesar Master Plan 2031

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

Table 1: Basic details:-

Name of the Project: Proposed “Affordable Group Housing Colony” at village-Ullawas, Sector-62, Gurugram, Haryana by M/s Gulmohar Finance Ltd. in Collaboration with Synergyshine Infra LLP		
Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/233253/2021
2.	Latitude	28°24’29.58” N
3.	Longitude	77°5’19.96” E
4.	Plot Area	23,421.144 m ² / 5.7875 Acres
5.	Net Plan Area	23,421.144 m ² / 5.7875 Acres
6.	Proposed Ground Coverage	7,135.044 m ²
7.	Proposed FAR	54,541.13 m ²
8.	Non FAR Area	19,115.92 m ²
9.	Total Built Up area	73,657.05 m ²
10.	Total Green Area with %	4,684.220 m ² (20 % of total plot area)
11.	Rain Water Harvesting Pits (with size)	06 Nos.(78.5m ³)
12.	STP Capacity	2 nos. with total capacity of 474 KLD (1 x 470 KLD+ 1 x 4KLD)
13.	Total Parking	Two-Wheeler-800 Nos. / 267 ECS Car Parking (ECS): 400 ECS
14.	Organic Waste Converter	3 Nos. of total capacity 2000 Kr/day (1x1250+1x500 + 1 x 250 =2000 kg/day)
15.	Maximum Height of the Building (m)	77 m
16.	Power Requirement	3400KW (DHBVN)

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

17.	Power Backup	1 Nos. of total500kVA (1 x 500 kVA)
18.	Total Water Requirement	455 KLD
19.	Domestic Water Requirement	315 KLD
20.	Fresh Water Requirement	315 KLD
21.	Treated Water	140 KLD
22.	Waste Water Generated	369 KLD
23.	Solid Waste Generated	2678 Kg/day

During Construction Phase		During Operation Phase	
24.	Biodegradable Waste	1,607 Kg/day	
25.	Number of Towers	5 Towers	
26.	No. of Plots	800	
27.	Basement	NA	
28.	Community Center	1 No.	
29.	Stories	G+25 th Floor	
30.	Total Cost of the project:	i) Land Cost	Total Project Cost: 200 Cr
		ii) Construction Cost	
33.	EMP Budget	Construction Phase: Capital Cost- 112.5lacs Recurring Cost- 140lacs Operation Phase: Capital Cost- 287.5lacs Recurring Cost- 460lacs	
31.	Incremental Load in respect of:	i) PM 2.5	0.02243µg/m ³
		vi) PM 10	0.0598µg/m ³
		vii) SO ₂	0.156µg/m ³
		viii) NO ₂	0.04112µg/m ³
		ix) CO	0.0000290 mg/m ³
32.	Construction Phase:	v) Power Back-up	Temporary electrical connection of 19 KW & 01 DG of 125 KVA
		vi) Water Requirement & Source	Fresh water – 10 KLD for drinking & sanitation. Treated wastewater 30 KLD for construction Source: Fresh water – HSVP Construction Water – treated wastewater from operational project
		vii) STP (Modular)	1 No. of 5 KLD
		viii) Anti-Smoke Gun	01 Nos of Anti-smoke gun

Table 2:EMP BUDGET					
Description	Capital Cost (In Lakhs)	Recurring Cost (In Lakhs for 5 Year)	Description	Capital Cost (in Lakhs)	Recurring Cost (In Lakhs for 10 Year)
Sanitation and Wastewater Management	10.00	25.00	Waste Water Management (Sewage Treatment Plant)	90.00	180.00
Garbage & Debris disposal	0.00	10.00	Solid Waste Management (Dust bins & OWC)	50.00	80.00
Green Belt Development + Mlyawaki	25.00 + 5.0= 30.0	15.00	Green Belt Development	70.00	89.00
Air, Noise, Soil, Water Monitoring	0.00	5.00	Monitoring for Air, Water, Noise & Soil	00.00	30.00
Rainwater harvesting system (05 pits)	20.00	5.00	Rainwater harvesting system	00.00	40.00
Dust Mitigation Measures Including site barricading, water sprinkling and anti-smog gun)	20.00	10.00	DG Sets including stack height and acoustics	30.00	20.00
PPE for workers & Health Care	12.50	30.00	Energy savings (Solar Panel system)	45.00	20.00
Medical cum First Aid facility (providing medical room & Doctor)	10.00	35.00	Establishment of Miyawaki Forests for Urban and Rural greening outside Project Boundary	2.5	1.00
Storm Water Management (temporary drains and sedimentation basin)	10.00	5.00			
Total	112.5 Lakhs	140 Lakhs	Total	287.5 Lakhs	460 Lakhs

The discussion was held on RWH details,AAI Clearance,sewage permission,DG set,ECBC -R(ASHRAE), Geo Technical Studies,fire safety plan& rescue plan,traffic study, Green Plan, water details etc. and certain observations were raised as following:-

- 1) The PP shall submit the revised RWH details
- 2) The PP shall submit the AAI Clearance
- 3) The PP shall submit the details of sewage permission
- 4) The PP shall submit the location of DG set
- 5) The PP shall submit the Revenue Rasta passing through the project and services provided across
- 6) The PP shall submit the ECBC -R(ASHRAE) compliance with percentage energy savings.
- 7) The PP shall submit the Contour plan indicating level of proposed site in terms of drainage pattern.
- 8) The PP shall submit the Proof of getting 12% extra FAR for green rating.
- 9) The PP shall submit the Geo Technical Studies
- 10) The PP shall submit the fire safety plan& rescue plan
- 11) The PP shall submit the wildlife activity plan and affidavit stating the distance of wildlife sanctuaries from the project site.
- 12) The PP shall submit the key plan of sampling locations, air dispersion modeling,primary micromet data, DG/Vehicular emissions data, DAT files (input and output),Isoplethsvis a vis wind rose diagram.
- 13) The PP shall submit the traffic study
- 14) The PP shall submit the progress of Green plan along with no of trees in the existing area along with girth, age and type of trees
- 15) The PP shall submit the details of water requirement
- 16) The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project
- 17) The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the “Incremental Pollution Load” and those are true to best of our knowledge.
- 18) The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
- 19) The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of “Dual plumbing”.

The PP submitted the reply of above said observations vide letter dated 07.01.2022 and the PP also submitted Rs.5Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan. The documents were placed before the committee. The committee after discussion considered the reply and rated this project with “**Gold Rating**” and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006

issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific conditions:-

1. Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening
2. The PP shall spent Rs5Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan
3. The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
4. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
5. Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to dumping site.
6. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
7. The PP is required to plant 10 times trees at the project site and compensatory tree plantation will be done @1:10. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm 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. As proposed 4,684.220 m² (20 % of total plot area) shall be provided for green area development.
8. The PP shall not carry any construction below the 220KV HT Line passing through the project
9. 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.
10. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when

the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO₂ load by 30% if HSD is used

11. Consent to establish/operate for the expansion project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.
12. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
13. The PP shall not carry any construction above or below the Revenue Rasta, if any
14. The PP shall not carry any construction below the HT Line passing through the project, if any.
15. The PP shall obtain the Fire NOC from the Competent Authority before taking occupation of the building.
16. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
17. The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
18. The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA.
19. The PP shall carry out the quarterly awareness programs for the stakeholders of the commercial colony/project.
20. 6 Rain water Harvesting pits shall be provided for rainwater usages as per the CGWB norms.
21. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 6 RWH pits
22. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
23. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory compliance:

- [1] The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent 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 lightening 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 Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl 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, 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 Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

I Air Quality Monitoring and Preservation

- xiii. 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.
- xiv. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- xv. The project proponent shall install system to carryout 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.
- xvi. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- xvii. 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.
- xviii. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- xix. Wet jet shall be provided for grinding and stone cutting.
- xx. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xxi. 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.
- xxii. The diesel generator sets to be used during construction phase shall be ultra low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xxiii. 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. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xxiv. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- xxii. 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 rain water.
- xxiii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- xxiv. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- xxv. The quantity of fresh water 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 six monthly Monitoring reports.
- xxvi. 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.
- xxvii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- xxviii. 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.
- xxix. 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.
- xxx. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xxxi. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xxxii. The local bye-law provisions on rain water 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. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
- xxxiii. A rain water 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 fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xxxiv. All recharge should be limited to shallow aquifer.
- xxxv. No ground water shall be used during construction phase of the project.
- xxxvi. 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.
- xxxvii. The quantity of fresh water 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 six monthly Monitoring reports.
- xxxviii. 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, no treated water shall be disposed in to municipal drain.
- xxxix. No sewage or untreated effluent water would be discharged through storm water

- drains.
- xl. Onsite sewage treatment of capacity of treating 100% waste water 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 waste water 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.
 - xli. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
 - xlii. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III Noise Monitoring and Prevention

- iv. Ambient noise levels shall conform to residential area/commercial area 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.
- v. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- vi. 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.

IV Energy Conservation Measures

- viii. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.
- ix. Outdoor and common area lighting shall be LED.
- x. 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 R & U-values shall be as per ECBC specifications.
- xi. 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.
- xii. 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 bye-laws requirement, whichever is higher.
- xiii. 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 bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- xiv. The PP will submit report indicating compliance of each parameter of ECBC

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

requirement and submit quantification saving report for each component.

V Waste Management

- xi. 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.
- xii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.
- xiii. 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.
- xiv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- xv. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- xvi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- xvii. Use of environment 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 environment friendly materials.
- xviii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- xix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xx. 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.

VI Green Cover

- v. 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).
- vi. A minimum of 1 tree (5' tall) 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.
- vii. 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.
- viii. 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.

VII Transport

- ii. 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.
 - e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points.
 - h. Parking norms as per local regulation.
- ii. Vehicles hired for bringing 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.
- iii. 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.

VIII Human Health Issues

- vii. 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.
- viii. For indoor air quality the ventilation provisions as per National Building Code of India.
- ix. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- x. 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.
- xi. Occupational health surveillance of the workers shall be done on a regular basis.
- xii. A First Aid Room shall be provided in the project both during construction and operations of the project.

IX Corporate Environment Responsibility

- v. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- vi. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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 six-monthly report.
- vii. 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.
 - viii. 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 Six Monthly Compliance Report.

X Miscellaneous

- xvii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- xviii. 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 has to display the same for 30 days from the date of receipt.
- xix. 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.
- xx. The project proponent shall submit six-monthly reports 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.
- xxi. 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.
- xxii. The project proponent shall inform the Regional Office as well as the Ministry, 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.
- xxiii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xxiv. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
- xxv. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.
- xxvi. Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xxvii. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xxviii. 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.

- xxix. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xxx. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xxxi. The Regional Office of this 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.
- xxxii. 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.

232.12 EC for Proposed Group Housing project at Village Wazirpur, Sector 92 & 95, Gurugram, Haryana by M/s NA Buildwell Pvt. Ltd. C/o M/s Raheja Developers Pvt. Ltd. And M/s Saan Procon Pvt. Ltd

Project Proponent : Mr.PremArora
Consultant : Vardan Environet

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/69919/2021 on dated 28.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 8(b) of EIA Notification 14.09.2006. The TOR has been granted to the project vide letter dated 23.11.2021.

The case was taken up in 232nd meeting of SEAC held on 06.01.2022. The PP presented the case before the committee.

- The proposed project is for EC for Proposed Group Housing project at Village Wazirpur, Sector 92 & 95, Gurugram, Haryana by M/s NA Buildwell Pvt. Ltd. C/o M/s Raheja Developers Pvt. Ltd. And M/s SaanProcon Pvt. Ltd
- The PP submitted copy of DD of Rs. 2 Lakh in favour of MS, SEIAA
- The TOR has been granted to the project vide letter dated 23.11.2021
- The license no. 216 of 2007 has been granted to the project vide letter dated 05.09.2007 in the name of M/s NA Buildwell Pvt. Ltd. C/o M/s Raheja Developers Pvt. Ltd. And M/s Saan Procon Pvt. Ltd
- Sultanpur National Park lies within 5.1km from the project area
- The project falls under Gurugram Manesar Master plan 2031

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

TABLE 1: BASIC DETAILS

Name of the Project: "Proposed Group Housing Project" at Village Wazirpur, Sector-92 & 95, Gurugram, Haryana" by M/s N.A Buildwell Pvt. Ltd. C/o M/s Raheja Developers Pvt. Ltd. & M/s SaanProcon Pvt. Ltd.		
Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/MIS/69919/2021
2.	Latitude	28°25'4.28" N
3.	Longitude	76°55'13.38" E

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

4.	Plot Area		68,796.45 m ² /17 Acres
5.	Net Plan Area		62560.2540 m ² /
6.	Proposed Ground Coverage		9,202.446 m ²
7.	Proposed FAR		1,08,949 m ²
8.	Non FAR Area		46,169.22 m ²
9.	Total Built Up area		1,55,118.22m ²
10.	Total Green Area with %		9531.601 m ² (15.235 % of total plot area)
11.	Rain Water Harvesting Pits (with size)		16 Nos.
12.	STP Capacity		2 nos. with total capacity of 735 KLD (1 x 600 KLD+ 1 x 135KLD)
13.	Total Parking		1322 ECS
14.	Organic Waste Converter		3 Nos. of total capacity 2000 Kg/day (1x1250+1x500 + 1 x 250 =2000 kg/day)
16.	Power Requirement		4716KW (DHBVN)
17.	Power Backup		4 Nos. of total 1,725kVA (1*350 kVA + 2*625 kVA + 1*125 kVA)
18.	Total Water Requirement		715 KLD
19.	Domestic Water Requirement		436 KLD
20.	Fresh Water Requirement		436 KLD
21.	Treated Water		279 KLD
22.	Waste Water Generated		579 KLD
23.	Solid Waste Generated		2524 Kg/day
24.	Biodegradable Waste		1514 Kg/day
25.	Number of Towers		T1, T2, T3 and T4 Block B, C, D, E Community-1 & 2 and commercial building, EWS
26.	No. of Plots		1061 (Including EWS and domestic servant unit)
27.	Basement		3 No.
28.	Community Center		2 No.
29.	Stories		G+23 rd Floor
31.	Total Cost of the project:	i) Land Cost	Total Project Cost: 296.26 Cr
		ii) Construction Cost	
33.	EMP Budget		Construction Phase: Capital Cost- 172lacs Recurring Cost- 308lacs Operation Phase: Capital Cost- 420lacs Recurring Cost- 580lacs
34.	Incremental Load in respect of:	i) PM 2.5	0.07824µg/m ³
		x) PM 10	0.18551µg/m ³
		xi) SO ₂	0.44564µg/m ³
		xii) NO ₂	0.1189µg/m ³
		xiii) CO	0.0000120mg/m ³
35.	Construction Phase:	ix) Power Back-up	Temporary electrical connection of 19 KW

			& 01 DG of 100 KVA
		x) Water Requirement & Source	Fresh water – 10 KLD for drinking & sanitation. Treated wastewater 30 KLD for construction Source: Fresh water – HUDA Construction Water – treated wastewater from operational project
		xi) STP (Modular)	1 No. of 5 KLD
		xii) Anti-Smoke Gun	01 Nos of Anti-smoke gun

Existing Phase

Description	Expense done (Lakhs) (till now)
Waste Water Management (STP)	120
Solid Waste Management	10
Rain Water Harvesting System (3 nos.)	39
Storm Water Drainage System	136
Landscaping/ maintenance of Green Area	9
Monitoring for Air, Water, Stack, emission & Noise	10
Barricading	10
PPE for workers & Health Care	15
Medical cum First Aid facility (Providing medical room & Doctor)	20
Total	369

Expansion Phase

Description	During Construction Phase		Description	During Operation Phase	
	Capital Cost	Recurring Cost		Capital Cost	Recurring Cost
	(Lakhs)	(Lakhs for 5 Year)		(Lakhs)	(Lakhs for 10 Year)
Water for Dust suppression	15	50	Solid Waste Management & Biomedical Waste Management	50	100
Sanitation & Waste Water Management	15	70	Waste Water Management (STP)	100	125
Air, Noise, Soil, Water Monitoring	0	10	D.G Set with acoustic enclosure	75	20
Rainwater harvesting system (13 Pits)	85	28	Solar PV Installation	150	110
PPE for workers & Health Care	20	50	Monitoring for Air, Water, Noise & Soil	0	25

Green Belt Development+ Miyawaki	14.5 +2.5	50	RWH	--	50
Medical facilities & Others	20	50	Green Belt Development	45	150
Total	172	308		420	580

The discussion was held on Geo Technical studies, zoning plan, building plan, Green plan, parking plan, ECBC -R(ASHRAE), STP, RWH, power assurance, water assurance, traffic study, audited CER etc. and certain observations were raised as following:-

1. The PP shall submit the Geo Technical studies of project area
2. The PP shall submit the all the legible zoning plan, building plan, Green belt, Traffic circulation, parking plan in 1:10,000 scale from the competent authority
3. The PP shall submit the Revised Water calculations @135 LPCD instead of @86LPCD with revised water circulation diagram and other related parameters including STP.
4. The PP shall submit the Coroborative evidence in addition to affidavit that no construction activates occurred after lapse of validity period.
5. The PP shall submit the status of Compliance report
6. The PP shall submit the ECBC -R(ASHRAE) compliance with percentage energy savings.
7. The PP shall submit the location of STP
8. The PP shall submit the location of RWH
9. The PP shall submit the water assurance
10. The PP shall submit the power assurance
11. The PP shall submit the traffic study
12. The PP shall submit the approved building plan
13. The PP shall submit the Affidavit and audited CER
14. The PP shall submit the Geo Technical Studies
15. The PP shall submit the wildlife activity plan and affidavit stating the distance of wildlife sanctuaries from the project site.
16. The PP shall submit the progress of Green plan along with no of trees in the existing area along with girth, age and type of trees
17. The PP shall submit the status of earlier EC
18. The PP shall submit affidavit mentioning that adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project
19. The PP shall submit affidavit mentioning that the no. of in-bound & out-bound vehicles (___PCU/Hr.) and the running hours per day (____) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.
20. The PP shall submit affidavit mentioning that the proposed & installed DG sets & fuel to be used would be as per NCAP/GRAP
21. The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; waste water would be treated to tertiary level & would be used with the installation of "Dual plumbing".

The PP submitted the reply of above said observations vide letter dated 07.01.2022 .

The PP submitted the affidavit that

- No construction activity has been carried out after lapse of validity period and also mentioned in certified compliance report issued by the MOEF

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

&CC that no construction has been seen on the project site. The PP submitted before the committee which was considered and acceded by the committee

- That Rs.5Lakhs shall be spent on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan

The documents were placed before the committee and committee after discussion considered the reply. After detailed deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.09.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following specific and general stipulations:

A. Specific conditions:-

1. Sewage shall be treated in the STP based on latest Technology with tertiary treatment i.e. Ultra Filtration to achieve standards ordered by NGT. The Treated effluent from STP shall be recycled /reused for flushing. DG cooling and Gardening
2. The PP shall spent Rs.5Lakhs on various wildlife conservation activities like artificial nests on the trees, digging of ponds and construction of feeding platforms through Environment Management Plan
3. The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coli forms and other pathogenic bacteria.
4. The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
5. Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to dumping site.
6. Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time
7. The PP is required to plant 10 times trees at the project site and compensatory tree plantation will be done @1:10. No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80sqm 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. As

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

proposed 9531.601 m² (15.235 % of total plot area) shall be provided for green area development.

8. The PP shall not carry any construction below the 220KV HT Line passing through the project
9. 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.
10. The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO₂ load by 30% if HSD is used
11. Consent to establish/operate for the expansion project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.
12. The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.
13. The PP shall not carry any construction above or below the Revenue Rasta, if any
14. The PP shall not carry any construction below the HT Line passing through the project, if any.
15. The PP shall obtain the Fire NOC from the Competent Authority before taking occupation of the building.
16. The PP shall not give occupation or possession before the water supply and sewage connection permitted by the competent authority.
17. The PP shall not give occupation or possession before the electricity connection permitted by the competent Authority.
18. The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA.
19. The PP shall carry out the quarterly awareness programs for the stakeholders of the commercial colony/project.
20. 16 Rain Water Harvesting pits shall be provided for rainwater usages as per the CGWB norms.
21. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 16 RWH pits
22. The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.
23. Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.

B. Statutory compliance:

- [1] The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent 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 lightening 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 Haryana State Pollution Control Board.
- [6] The project proponent shall obtain the necessary permission for drawl 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, 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 Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.

I Air Quality Monitoring and Preservation

- xxv. 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.
- xxvi. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- xxvii. The project proponent shall install system to carryout 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.
- xxviii. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of ultra low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board
- xxix. 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.
- xxx. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- xxxi. Wet jet shall be provided for grinding and stone cutting.
- xxxii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xxxiii. 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.
- xxxiv. The diesel generator sets to be used during construction phase shall be ultra low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

- xxxv. 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. Ultra low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xxxvi. For indoor air quality the ventilation provisions as per National Building Code of India.

II Water Quality Monitoring and Preservation

- xl.iii. 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 rain water.
- xliv. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- xlv. Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018.
- xlvi. The quantity of fresh water 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 six monthly Monitoring reports.
- xlvii. 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.
- xlviii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- xliv. 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.
 - i. 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.
 - ii. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
 - iii. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 - liii. The local bye-law provisions on rain water 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. Rain Water Harvesting pits shall be provided for ground water recharging as per the CGWB norms.
 - liv. A rain water 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 fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
 - lv. All recharge should be limited to shallow aquifer.
 - lvi. No ground water shall be used during construction phase of the project.
 - lvii. Any ground water dewatering should be properly managed and shall conform to the

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- 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.
- lviii. The quantity of fresh water 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 six monthly Monitoring reports.
 - lix. 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, no treated water shall be disposed in to municipal drain.
 - lx. No sewage or untreated effluent water would be discharged through storm water drains.
 - lxi. Onsite sewage treatment of capacity of treating 100% waste water 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 waste water 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.
 - lxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
 - lxiii. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III Noise Monitoring and Prevention

- vii. Ambient noise levels shall conform to residential area/commercial area 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.
- viii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ix. 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.

IV Energy Conservation Measures

- xv. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed.
- xvi. Outdoor and common area lighting shall be LED.
- xvii. 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 R & U-values shall be as per ECBC specifications.
- xviii. 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.

- xix. 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 bye-laws requirement, whichever is higher.
- xx. 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 bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- xxi. The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.

V Waste Management

- xxi. 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.
- xxii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.
- xxiii. 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.
- xxiv. Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.
- xxv. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- xxvi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- xxvii. Use of environment 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 environment friendly materials.
- xxviii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- xxix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xxx. 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.

VI Green Cover

- ix. 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).
- x. A minimum of 1 tree (5' tall) 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.

- xi. 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.
- xii. 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.

VII Transport

- iii. 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.
 - i. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - j. Traffic calming measures.
 - k. Proper design of entry and exit points.
 - l. Parking norms as per local regulation.
- ii. Vehicles hired for bringing 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.
- iii. 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.

VIII Human Health Issues

- xiii. 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.
- xiv. For indoor air quality the ventilation provisions as per National Building Code of India.
- xv. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- xvi. 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.
- xvii. Occupational health surveillance of the workers shall be done on a regular basis.
- xviii. A First Aid Room shall be provided in the project both during construction and operations of the project.

IX Corporate Environment Responsibility

- ix. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- x. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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 six-monthly report.
- xi. 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.
- xii. 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 Six Monthly Compliance Report.

X Miscellaneous

- xxxiii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- xxxiv. 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 has to display the same for 30 days from the date of receipt.
- xxxv. 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.
- xxxvi. The project proponent shall submit six-monthly reports 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.
- xxxvii. 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.
- xxxviii. The project proponent shall inform the Regional Office as well as the Ministry, 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.
- xxxix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - xl. The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.
 - xli. No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

- xlii. Any change in planning of the approved plan will leads to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance
- xlili. The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land legal the case referred for Environment Clearance to SEIAA.
- xliv. 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.
- xlv. The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xlvi. The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xlvii. The Regional Office of this 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.
- xlviii. 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.

232.13 ToR for Revision and Expansion in EC for Industrial Warehousing/Storage/ Logistics Project at Revenue Estate of Village Faizabad, District Jhajjar, Haryana by M/s Indospace Industrial Park BadliPvt. Ltd.,

Project Proponent: Mr.NitinGawali
Consultant : Aplinka Solutions Pvt.Ltd.

The project was submitted to the SEIAA vide online proposal no. SIA/HR/MIS/70180/2021 on dated 28.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance for expansion under Category 8(b) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 07.01.2022. The PP presented the case before the committee

- The proposed project is for ToR for Revision and Expansion in EC for Industrial Warehousing/Storage/ Logistics Project at Revenue Estate of Village Faizabad, District Jhajjar, Haryana by M/s Indospace Industrial Park BadliPvt. Ltd.
- Earlier EC's has been granted to the project vide letter No. SEIAA/HR/2017/571 Dated 21.08.2017 and letter no. SEIAA/HR/2019/442 Dated 13.11.2019
- CLU has been granted to the project vide letter no. CLR/JR-1014C/CTP/22325/2019 dated 11.09.2019
- CTE has been granted to the project vide letter no. HSPCB/Concept/:313116320JHACTE4933589 Dated 27.01.2020
- CTO has been granted to the project vide letter dated 27.01.2020.
- Auto Tor has been generated to the project vide letter dated 21.12.2021
- The PP submitted the copy of DD for Rs. 2 lakh in favour of MS, SEIAA

The details of the project as per the presentation, documents and information submitted by PP is as under:-

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

Basic details

Name of the Project: Revision and Expansion of Industrial Warehousing/Storage/Logistics				
Project located in the revenue estate of the Village: Faizabad, District: Jhajjar, Haryana by M/s Indospace Industrial Park Badli Pvt. Ltd.				
Sr. No.	Particulars	Existing	Expansion	Total Area (m²)
1.	Online Proposal Number	SIA/HR/MIS/70180/2021		
2.	Latitude	28°34'25.16"N		
3.	Longitude	76°46'6.90"E		
4.	Plot Area	5,61,360.19m ²	60,296.07m ²	6,21,656.25m ²
5.	Net Plot Area	3,11,237.89m ²	60,296.07m ²	3,71,533.95m ²
6.	Proposed Ground Coverage	1,77,205.08m ²	36,916.66m ²	2,14,121.74m ²
7.	Proposed FAR	1,67,628.00m ²	78,354.81m ²	2,45,982.81m ²
8.	Non FAR Area	0	252.60m ²	252.60m ²
9.	Total Built Up area	1,85,378.00m ²	60,857.41m ²	2,46,235.41m ²
10.	Total Green Area with %	63,033.03 m ² (20.02% of plot area)		55,730.09m ² (15.00 % of plot area)
11.	Rain Water Harvesting Pits (with size)	76 numbers of pits and 1 pond	Will be submitted in EIA	
12.	STP Capacity	150 KLD (80 KLD-Existing + 70 KLD)	280 KLD	80 KLD+70 KLD+280 KLD
13.	Total Parking	47,673.45 m ²	9,480.55m ²	57,154.0m ²
14.	Organic Waste Converter	1	-	1
15.	Maximum Height of the Building (m)	17.8 m	1.7 m	19.5 m
16.	Power Requirement	4,750 kVA	1,500 kVA	6,250 kVA
17.	Power Backup	14 No. of DG sets 2x500 kVA + 6x125 kVA + 4x250 kVA + 2x1000 kVA	4 No. of DG sets 2x500 kVA + 2x250kVA	18 No. of DG sets 2x500 kVA + 6x125 kVA + 4x250 kVA + 2x1000 kVA+ 2x500 kVA + 2x250kVA
18.	Total Water Requirement	170 KLD	384 KLD	554 KLD
19.	Domestic Water Requirement	57 KLD	154 KLD	211 KLD
20.	Fresh Water Requirement	57 KLD	154 KLD	211 KLD
21.	Treated Water	113 KLD (68 KLD Treated water + 45 KLD Outsourced Treated water)	230 KLD	343 KLD
22.	Waste Water Generated	75 KLD	269 KLD	344 KLD
23.	Solid Waste Generated	1,615 kg/day	625 kg/day	2,240 kg/day
24.	Biodegradable Waste	648 Kg/day	707 Kg/day	1,355kg/day
25.	Number of Towers	Warehousing Buildings B-700, B-800, B-900, B-1000, B-1100, B-1200, B-1300, B-1400	Warehousing Buildings B-1500 and B-1600	Warehousing Buildings B-700, B-800, B-900, B-1000, B-1100, B-1200, B-1300, B-1400, B-1500 and B-1600
26.	Stories	Ground floor + Mezzanine	-	Ground floor + Mezzanine

27.	Total Cost of the project:	i) Land Cost	487crores	91.6crores	578.6crores
		ii) Construction			
28.	Status of Construction		Buildings B-800, B-900 and B-1200 have obtained CTO. Construction of Buildings B-1000 and B-1100 is complete. Buildings B-1300 and B-1400 are under construction.		
29.	Construction Phase:	xiii) Power Back-up	62.5 kVA		
		xiv) Water Requirement & Source	Fresh: 10 KLD Treated 50 KLD (construction and Antismog gun) Source: Local authorized water supplier		
		xv) STP (Modular)	1		
		xvi) Anti-Smog Gun	1		

The Discussion was held on STP, self contained note, compliance report, EC, extension in validity of EC, Forest NOC, RWH, CLU, Court cases etc. and after detailed deliberations it was decided by the committee to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference:

Standard ToR

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio-economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.

- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Additional TOR

1. The PP shall submit the certified compliance report from the MoEF &CC.
2. The PP shall submit the activity wise break up area of 2,46,235.41m² built up area, roads, medical safety plan, community built up area, Green area, fire safety area.
3. The PP shall submit the duly approved plan 2,46,235.41m².
4. The PP shall submit the drainage map with contour of each area of the project
5. The PP shall submit the position of existing and proposed area of the project.
6. The PP shall submit the hydraulic design details of 80 KLD+70 KLD+280 KLD STP(Existing+Expansion) proposed at the site.
7. The PP shall submit the FAR for each component as per approved plan.
8. The PP shall submit the affidavit that no legal case is pending against the PP regarding land or any other issues of the project.
9. The PP shall submit the KLM file of the project site
10. The PP shall submit the land use details of the project
11. The PP shall submit the Geo Technical Studies
12. The PP shall submit the Population calculations as per NBC norms.
13. The PP shall submit the water requirement details in view of conservation measures.
14. The PP shall submit the seasonal testing reports of water, air, soil and noise
15. The PP shall submit the technology of water treatment, hydraulic design, dimensions of each component of each STP, MLSS standards to be achieved in each STP
16. The PP shall submit the Solid waste calculations and its management plan
17. The PP shall submit the traffic study incremental load analysis wr.t. current roads/status of connecting roads a up-gradation plan.

18. The PP shall submit the air dispersion modeling, sampling locations, wind rose, DG/vehicular emission data, AAQ data of seven locations.
19. The PP shall submit the ECBC Compliance with Energy saving
20. The PP shall submit the warehousing area details
21. The PP shall submit the RWH details based on calculation @ 90 mm rain fall and double bore well for better sustainable RWH
22. The PP shall submit the parking calculations along with Map
23. The PP shall submit the Proper management details regarding various components of the project
24. The PP shall submit the tangible EMP Capital and recurring cost for the project along with Mlyawaki forest development
25. The PP shall submit the biodegradable waste management plan of the project along with organic waste convertor. The schematic diagramme for the management of organic waste and calculation along with mode of collection, segregation, transportation and disposal of complete Biodegrade waste.
26. The PP shall submit the status of construction at site
27. The PP shall submit the mosaic plan
28. The PP shall submit the extension in EC , if any.
29. The PP shall submit the CTE/CTO/OC of the project in the existing part.
30. The PP shall submit the six monthly compliance report.
31. The PP shall submit the approval of ZONING/Lay out/Building plans etc.
32. The PP shall submit the Traffic study and incremental load analysis with current status of connecting roads.
33. The PP shall submit the Fire safety plan & Fire rescue plan (SOP).
34. The PP shall submit the contours plan indicating level of proposed site in terms of drainage pattern.

232.14 ToR for Setting up of 1.5 MTPA Clinker Grinding Unit at Village Chirya, District CharkhiDadri, Haryana by M/s Nuvoco Vistas Corporation Limited

Project Proponent: Mr. Rajeev Ranjan
Consultant: Vardan Environet

The project was submitted to the SEIAA vide online proposal no. SIA/HR/IND/70176/2021 on dated 28.12.2021 as per check list approved by the SEIAA/SEAC for obtaining Environmental Clearance under Category 3(b) of EIA Notification 14.09.2006.

The case was taken up in 232nd meeting of SEAC held on 07.01.2022. The PP presented the case before the committee

- The proposed project is for ToR for Setting up of 1.5 MTPA Clinker Grinding Unit at Village Chirya, District CharkhiDadri, Haryana by M/s Nuvoco Vistas Corporation Limited
- The PP submitted the copy of DD for Rs. 2 lakh in favour of MS, SEIAA

The details of the project, as per the documents submitted by the project proponent, and also as informed during the presentation in the meeting are as under:-

Table 1: Basic details

Name of the Project: Setting up of Clinker Grinding Unit with Cement Production Capacity of 1.5 MTPA at Village- Chirya, Tehsil: CharkhiDadri, District- CharkhiDadri, Haryana by Nuvoco Vistas Corp Ltd.		
Sr. No.	Particulars	
1.	Online Proposal Number	SIA/HR/IND/70176/2021

2.	Latitude		Latitude	30°17'23.88"N
			Longitude	76°57'50.56"E.
3.	Plot Area		12.94 Ha.	
4.	Net Plot Area		12.94 Ha.	
5.	Total Built Up area		3.74 Ha.	
6.	Total Green Area with %		4.27ha. (33%)	
8.	STP Capacity		18 KLD	
9.	Total Parking		All Parking will be done within the plant premises.	
10.	Power Requirement		10 MW	
11.	Power Backup		1 D.G. set of 1500kVA capacity	
12.	Total Water Requirement		195 KLD	
13.	Domestic Water Requirement		20 KLD	
14.	Fresh Water Requirement		195 KLD	
15.	Treated Water		14 KLD	
16.	Waste Water Generated		16 KLD	
17.	Total Cost of the project:		Rs. 21565Lakhs	
20.	Construction Phase:	xvii) Power Back-up	Not Required, Power will be sourced through Existing facilities	
		xviii) Water Requirement & Source	10 KLD Source- STP Treated Water	

Table2:Raw Material Consumption

S. No.	Material	Quantity (MTPA)		Source
		PPC	OPC	
1.	Clinker	1.0	1.425	Nuvoco Cement Plant: Chittorgarh and Nimbol/ Open market
2.	Fly ash	0.5	-	Coal Fired Power plant in Jharli, Jhajjar/Uttar Pradesh
3	Mineral/ Chemical Gypsum	0.05	0.03	Binakner mines, Bhavnagar/ Bharuch, Ashapura perfoclay, Hindustan zinc waste, Oman (via dahej port)

The Discussion was held on Green plan, wildlife distance, CTE/CTO, feasibility report SPM and filter etc. The discussion was also held on the jurisdiction of SEIAA as per MOEF&CC notification dated 23.11.2016 and PP and consultant opined that it falls under category of stand lone unit and after detailed deliberations it was decided by the committee to recommend the case to SEIAA for approval of ToR and the project proponent will prepare the EIA by using Model Terms of Reference of MoEF&CC with following additional Terms of Reference:

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

A.STANDARD TERMS OF REFERENCE (TOR)

1) Executive Summary

2) Introduction

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project

3) Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram,man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet(quantative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained forthe project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of thelatest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for nottaking EC under the provisions of the EIA Notification 1994 and/or EIA Notification2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, showphotographs of plantation/greenbelt, in particular.

- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
 - ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
 - x. Geological features and Geo-hydrological status of the study area shall be included.
 - xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - xiii. R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
 - ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon.
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife
- 6) Environmental Status
- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
 - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
 - vi. Ground water monitoring at minimum at 8 locations shall be included.
 - vii. Noise levels monitoring at 8 locations within the study area.
 - viii. Soil Characteristic as per CPCB guidelines.
 - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

- ix. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - x. Socio-economic status of the study area.
- 7) Impact and Environment Management Plan
- i. Assessment of ground level concentration of pollutants from the stack emission based on sitespecific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
 - ii. Water Quality modelling - in case of discharge in water body
 - iii. Impact of the transport of the raw materials and end products on the surrounding environments shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
 - iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
 - v. Details of stack emission and action plan for control of emissions to meet standards.
 - vi. Measures for fugitive emission control
 - vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
 - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
 - x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xii. Action plan for post-project environmental monitoring shall be submitted.
 - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular

- defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and departmentwise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11) Enterprise Social Commitment (ESC)
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with timebound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR CEMENT PLANTS

1. Limestone and coal linkage documents along with the status of environmental clearance of lime stone and coal mines
2. Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
3. For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
4. Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
5. If the raw materials used have trace elements, an environment management plan shall also be included.
6. Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
7. Energy consumption per ton of clinker and cement grinding
8. Provision of waste heat recovery boiler
9. Arrangement for use of hazardous waste
10. The PP shall submit the online monitoring plan

11. The PP shall submit fire fighting plan and fire rescue (SOP)
12. The PP shall submit details of gases and its management plan
13. The PP shall submit distance of wildlife sanctuary Bhindawas and khapriwas from the project site.
14. The PP shall submit CTE/CTO on the existing blending unit
15. The PP shall submit classification of OPC/PPC
16. The PP shall submit Green plan along with miyawaki details
17. The PP shall submit details of existing trees along with girth
18. The PP shall submit solar power plan minimum @20% of the installed capacity
19. The PP shall submit water permission from the competent Authority
20. The PP shall submit feasibility report for the SPM and filter to be used
21. The PP shall submit wildlife conservation plan approved from the competent authority from schedule –I species
22. The PP shall submit the affidavit along with notification regarding stand lone grinding unit category

232.15 EC for Commercial Colony at Village-NangliUmarpur, Sector-62, Gurugram, Haryana by M/s JMD Limited

Project Proponent: Mr. Sunder
Consultant: Gaurang

The application was submitted on 13.02.2015 and the case was considered by SEAC in its 129th meeting held on 15.03.2016 wherein it was observed that PP has already started construction work which amounts to violation of EIA Notification and sent back to SEIAA for taking legal Action.

The file was transferred to MoEF& CC, GoI in compliance of MoEF& CC, GoI Notification dated 14.03.2017. The Ministry of Environment Forest & Climate Change returned back all the cases pertains to violation category to SEIAA Haryana in view of MoEF&CC,GoI Notification dated 08.03.2018.

Thereafter, the case was considered by SEAC in its 169th meeting held on 18.05.2018 for approval of Terms of Reference under violation notification dated 14.03.2017 and 08.03.2018 and recommended to SEIAA for Approval of Terms of Reference.

The recommendation of SEAC was considered in 115th meeting of SEIAA held on 25.07.2018 and decided to agree with the recommendation of SEAC and approved the ToR and communicated to the PP vide letter dated 09.08.2018.

The case was taken up in 131st SEIAA meeting held on 3rdDecember, 2021 & Authority deliberated on the reply submitted by PP & recommendations of SEAC.

After deliberations, Authority decided to defer this case till the legal opinion from Ld. LR, Haryana is received. Thereafter, the case was taken up in 232nd meeting of SEAC held on 07.01.2022. The committee deliberated on the inspection report submitted by sub-

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

committee members and as per report no construction has been done on the project site so it was decided by the committee to recommend to SEIAA for withdrawal of earlier TOR issued to the project as the PP has also requested vide letter dated 12.10.2021 to Chairman SEIAA for withdrawal of proposal no. SIA/HR/NCP/22996/2018 applied under violation notification

232.16 EC for proposed mining of Sand (Minor Mineral) at Jairampur Block YNR/B-6 (ML area-33.85 Ha.) Village-JairampurJagiri, Tehsil-Jagadhari, District-Yamuna Nagar, Haryana by M/s Balaji Infra

Project Proponent : Mr.VeerbhanWadhwa
Consultant : VardanEnvironet

The case pertains to Sand mining (Minor minerals). ToR was approved in 136th SEAC meeting held on 09.07.2016. EIA/EMP Report was submitted on 08.05.2018 & lastly the case was considered in 193rd meeting of SEAC held on 23.12.2019 and recommended to SEIAA for grant of EC for one year under category B1, 1(a) as per EIA Notification, 2006.

The recommendation of SEAC was considered in 123rd meeting of SEIAA held on 13.03.2020 and reviewed the facts and record of the project, the Authority observed that the language of recommendation & Appraisal of SEAC is not very clear whether the "EC" should be accorded or wait for one year to get the "Replenishment Studies" submitted.

The Authority, further observed that the case was initially taken in 172nd meeting of SEAC held on 03/07/2018 and still there is no clear recommendation regarding grant of "EC", therefore, after detailed deliberations and discussions in the matter, the Authority decided to sought clarification from SEAC (Haryana) on the their recommendations and also decided to defer this case till the receipt of reply from SEAC.

The Authority asked PP to submit an affidavit stating that:

1. No mining activity is being carried out at the stated block & further mining will not give rise to cluster mining;
2. No intention to expand the mining activity beyond the stated/ approved area;
3. Sprinkler would be deployed to curb fugitive emission by using treated water;
4. Water trough would be provided for incoming/ outgoing water to wash the wheels;
5. No natural water course/ water body would be obstructed due to any mining activity or due to the dumping of the material and will not stack any mineral outside the concession area granted on mining contract without obtaining a valid mineral dealer license;
6. Total mineral excavated & stacked will not exceed 2 times of the average monthly production as per approved mining plan at any point of time;
7. No mining operations would be carried out in any reserved/protected forest or any area prohibited by any law force in India or by any authority without obtaining prior permission;
8. No mining operation in urbanizable zone of area;

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

9. No mining activity would be carried out in the river bed to a distance of 5 times of the span of bridge on up-stream side & 10 times the span on down-stream side;
10. Un-mined block of 50 meters width to be maintained after every block of 1000 meters over which mining is undertaken;
11. Maximum depth of mining will not exceed 3 meters from the un-mined bed level at any point in time;
12. Mining would be restricted within the central 3/4th width of river/rivulet;
13. No mining would be carried out outside the sanctioned block;
14. Mining would be carried out keeping a safety margin of 2 meters above ground water table.

The case again was taken up in the 129th meeting of SEIAA held on 12.10.2021; Authority found out complaint has been received by office of SEIAA. Authority decided to refer back the case to SEAC to look into the nature of complaint, if need be can send a team to get the spot inspection. Authority asked SEAC to apprise SEIAA about the future developments.

Thereafter, the case was taken up in 227th meeting of SEAC held on 30.12.2021. The PP submitted the reply of observations raised in 129th meeting of SEIAA as below:-

1. PP has submitted the reply of complaint raised by Smt. AsmaParveen Khan against the company (M/s Balaji Infra) on dated 15.08.2020.
2. PP has also submitted copy of Final Report written under section 173 Cr.P.C in the Court of Sh. SHER SINGH JMIC dated 14.11.2021 stating that the allegation of Smt. AsmaParveen Khan was not true and no evidence has been found against the complaint.
3. Further the PP has also submitted the revised partnership deed wherein M/s Balaji Infra Company has removed the name of Smt. AsmaParveen Khan from the deed.
4. The PP submitted the DD of Rs. 1.5 lakh as scrutiny fees in favour of MS, SEIAA

SEAC has recommended to SEIAA that the complaint/FIR has been filed and again submitted to SEIAA as recommended by SEAC vide MOM of its 193rd meeting held on 23.12.2019.

The recommendation of SEAC was taken up in the 132nd meeting of SEIAA held on 20.12.2021; the Authority decided to refer back the case to SEAC to examine the proposal in light of recent "District Survey Report" and the validity of approved mining plan.

Thereafter, the case was taken up in 232nd meeting of SEAC held on 07.01.2022 and observations raised by SEIAA in its meeting was considered and PP submitted the reply of observations as following:-

Observation raised by SEIAA	Reply
PP shall submit the "District Survey Report" and the validity of approved mining plan	The DSR is prepared and approved vide memo no. Mining/YNR/2709 Dtaed:11.08.2017 placed on record.

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

	<p>The Department of mines and geology Haryana has confirmed vide their memo no. DMG/HY/M.PLAN /Jairampurjagir/YNR-B6/7183 Dated: 24/12/2021 that the approved mining plan of the project is still valid copy of letter is placed on record.</p>
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After due deliberation the committee considered the reply submitted by PP and decided to forward the case to SEIAA for grant of EC as committee has already submitted with full facts vide SEAC MOM of 227th meeting.

232.17 EC for Expansion cum Modification of Group Housing Project at Village Palra, Sector 70A, Gurugram, Haryana by M/s Haamid Real Estate Pvt. Ltd.

Project Proponent: Mr.ArvindTiwari
Consultant: VardanEnviro

The project proponent submitted the case along with EIA/EMP to the SEIAA vide online proposal no. SIA/HR/MIS/61220/2021 dated 04.10.2021 as per check list approved by the SEIAA/SEAC for obtaining EC under category 8(b) of EIA Notification dated 14.09.2006. The TOR was granted vide letter dated 08.07.2021.

The case was considered in 224th, 227th& 228th meeting of SEAC held on 29.10.2021, 30.11.2021 & 04.12.2021 and recommended to SEIAA for grant of Environment Clearance.

The PP has submitted scrutiny fee amounting to Rs. 2,00,000/- DD. No. 001385 dated 30.10.2021 vide letter dated 01.11.2021 received on 02.11.2021 in compliance of Haryana Government, Environment & Climate Change Department Notification No. DE&CCH/3060 dated 14.10.2021.

The recommendation of SEAC was taken up in the 132nd meeting of SEIAA held on 21.12.2021; the Authority while examining the case found that there is contradiction in regard to discharge of excess treated water in Water Balance Diagram (Page No. 28) and description under mode of discharge given on Page No. 38 (Under point 2.13) in Form-IA. This requires clarity and response of PP.

Authority further asked PP to ensure 28 no. of RWH Pits to be installed as proposed in the original Plan (Page No. 130) submitted earlier for the grant of existing EC.

It needs to be further understood whether the observations raised by RO, MOEF & CC, GOI stands complied with.

Authority decided to refer back the case to SEAC for submitting compliance of above said observations.

Thereafter, the case was taken up in 232nd meeting of SEAC held on 07.01.2022. The observations raised by SEIAA in its meeting were considered and PP submitted the reply of observations as following:-

S. No.	Observations	Reply
1.	That there is contradiction in regard to discharge of excess treated water in Water Balance Diagram (Page No. 28) and description under mode of discharge given on Page No. 38 (Under point 2.13) in Form-IA	The treated water from STP will be used in flushing and horticulture purpose. After usage of water in flushing and horticulture, the excess treated water of 380KLD from STP will be discharged in the nearest sewerage line. There is typing error at point no.2.13
2.	28 no. of RWH Pits to be installed as proposed in the original Plan (Page No. 130) submitted earlier for the grant of existing EC.	We will develop 28 no's of RWH pits at our project site.
3.	Whether the observations raised by RO, MOEF & CC, GOI stands complied with.	The observations raised by RO, MOEF & CC, GOI were duly replied by us and our reply against the observations has been incorporated by the RO, MOEF&CC, GOI in the Certified compliance report issued. Further the Action taken report is placed on record.

After due deliberation on treated water, RWH, Certified compliance report, the committee considered the reply submitted by PP and decided to forward the case to SEIAA as committee has already submitted with full facts vide SEAC MOM of 228th meeting.

232.18 EC for Crystal City Logistic Park -1 (Warehouse/ Industrial Storage/ Logistic/ Assembling Park) Project located at 60 Milestone, Village Rathiwas, Bhudka, Manesar, Village Bhodakalan, Tehsil Pataudi, District Gurugram, Haryana, National Highway-48, Haryana by M/s Crystal City Developers Pvt. Ltd.

**Project Proponent: Mr.NitinGawali
Consultant : Alinka Solutions Pvt.Ltd.**

The proposed project is for EC for Crystal City Logistic Park -1 (Warehouse/ Industrial Storage/ Logistic/ Assembling Park) Project.

The case was considered in 228th SEAC meeting & committee raised certain observations. PP submitted the replies to the raised observations; committee considered the reply, recommended the project to SEIAA with "Gold ratings".

The recommendation of SEAC was considered in the 132nd Meeting of SEIAA held on 21.12.2021 and the Authority observed the following variation in the data submitted by PP:

Rain Water Harvesting Pits.

As per details given at page no. 93 of Conceptual Plan are:

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

Sr. No.	Particular	Area (m²)	Run-off co-efficient	Rainfall intensity	Run-off (m3/hr)
1	Roof Area	169254	0.9	0.09	13709.574
2	Area under Road/Parking	126216.56	0.7	0.09	7951.64
3	Green Area	74510.08	0.2	0.09	1341.18

Details given in Reply to SEAC vide letter dated 06.11.2021 at Annexure -14.

Sr. No.	Particular	Area (m²)	Run-off co-efficient	Rainfall intensity	Run-off (m3/hr)
1	Roof Area	169254	0.9	0.09	13709.574
2	Area under Road/Parking	144746.64	0.7	0.09	9119.04
3	Green Area	55980	0.2	0.09	1007.64

The case was referred back to SEAC to examine variation in data submitted.

Further, Authority observed while recommending the case SEAC has mentioned in its MOM of 228th Meeting that the decision was “Unanimous” whereas dissent note conveyed in this case indicates otherwise.

The case was taken up in 232nd meeting of SEAC held on 07.01.2022. The discussion was held on population details, Climatology data of CPCB, Hydraulic design and dimensions of each component of two 270KLD, STP using MBBR technology, micromet data, Fire fighting plan, Revised FMCG products, MSDS, Contour plan, traffic study, Revised ECBC, copy of LOI as issued for the project etc. and certain observations were raised in the meeting of SEAC and SEIAA which were replied by PP placed on record.

After due deliberation the committee considered the reply submitted by PP and decided by majority to forward the case to SEIAA along with additional stipulation and other standard and specific condition which committee has already submitted vide SEAC MOM of 228th meeting.

Additional Stipulations:-

1. 92 Rain Water Harvesting pits and two RWH ponds shall be provided for rainwater usages as per the CGWB norms.
2. The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 92 RWH pits

232.19 EC for Revision and Expansion of Warehouse/Logistic/Industrial Storage Project at Revenue Estate of Village Sehsaula, TalukaTauru, Mewat (Nuh), Haryana by M/s ERPL Warehousing Parks Pvt. Ltd.

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

Project Proponent: Mr.NitinGawali
Consultant : Aplinka Solutions Pvt.Ltd.

The case was submitted on dated 22.11.2021 for obtaining Environmental Clearance under Category 8(a) of EIA Notification 14.09.2006.

The proposed project is for EC for Revision and Expansion of Warehouse/Logistic/Industrial Storage Project.

Consent to Establish for the same is obtained from HSPCB (HSPCB/Consent/: 329962321GSMWCTE8394569) Dated 07.01.2021

Certified compliance report of the existing part has been obtained dated 04.08.2021. Action taken report of the points raised as per this report is submitted by the PP to MoEF&CC.

The case was considered in 228th SEAC meeting held on 04/12/2021. SEAC held the discussions on abnormal increase in population 3500 to 8500 and reducing the staff water requirement from 45 LPCD to 30 LPCD in order to avoid construction of bigger STP detriment to Proper Management/conservation of Environment, without any legitimate backing for such storage and commercial project where washroom/Toilets are necessary component as per NBC that too should use water efficient fixtures, Aravali NoC, Green plan, water requirement, revised EMP, STP, contour plan, sewer permission, water assurance etc. and certain observations were raised.

SEAC considered the submitted reply of PP & rated this project with "Gold ratings" and recommended the project to SEIAA.

The recommendation of SEAC was considered in the 132nd Meeting of SEIAA held on 21.12.2021 and the Authority observed that there is a definite Reduction" in Green area from 20.02% in accorded EC to 15.02% in the said proposal. Further, the following variation in the data submitted by PP has been observed:

Rain Water Harvesting Pits:

As per details given at page no. 92 of Conceptual Plan are:

<i>Sr. No.</i>	<i>Particular</i>	<i>Area (m²)</i>	<i>Run-off co-efficient</i>	<i>Rainfall intensity</i>	<i>Run-off (m3/hr</i>
<i>1</i>	<i>Roof Area</i>	<i>98197.38</i>	<i>0.9</i>	<i>0.09</i>	<i>7953.99</i>
<i>2</i>	<i>Area under Road/Parking</i>	<i>70988.05</i>	<i>0.7</i>	<i>0.09</i>	<i>4472.25</i>
<i>3</i>	<i>Green Area</i>	<i>29910</i>	<i>0.2</i>	<i>0.09</i>	<i>538.38</i>

Details Given in Reply to SEAC vide letter dated 06.12.2021 at Annexure -14.

<i>Sr. No.</i>	<i>Particular</i>	<i>Area (m²)</i>	<i>Run-off co-efficient</i>	<i>Rainfall intensity</i>	<i>Run-off (m3/hr</i>
<i>1</i>	<i>Roof Area</i>	<i>169254</i>	<i>0.9</i>	<i>0.09</i>	<i>13709.574</i>

232nd Video Conferencing (VC) Meeting of SEAC, Haryana, dated 06.01.2022 and 07.01.2022

2	Area under Road/Parking	144746.64	0.7	0.09	9119.04
3	Green Area	55980	0.2	0.09	1007.64

The case was referred back to SEAC to examine variation in data submitted and the reduction in the green area. Further, it was observed that the reply to SEAC Annexure-16 is a copy paste of reply to SEAC Annexure-14 of the next project i.e. M/s Crystal City Developers Private Limited .

Further, Authority observed while recommending the case SEAC has mentioned in its MOM of 228th Meeting that the decision was “Unanimous” whereas dissent note conveyed in this case indicates otherwise.

The case was taken up in 232nd meeting of SEAC held on 07.01.2022. The discussion was held on population details, Climatology data of CPCB, Hydraulic design and dimensions of each component of two 270KLD, STP using MBBR technology, micromet data, Fire fighting plan, Revised FMCG products, MSDS, Contour plan, traffic study, Revised ECBC, copy of LOI as issued for the project etc. and certain observations were raised in the meeting of SEAC and SEIAA

PP submitted self contained note as below along with the reply of observations:-

- ERPL Warehousing Park Pvt. Ltd. Has obtained an environment clearance letter dated 02.11.2020 wherein the water calculations for staff were done keeping 45 LPCD as the water consumption.
- PP has introduced change in the project planning.
- PP has reduced the water consumption to 30 LPCD for their staff population as the Multinational Brands anticipated to occupy the space; they have been working over the water reduction policies directed to revolutionize the water conservation scenario.
- PP has intimated regarding the water conservation demand of the probable future occupiers and their water requirement target of 30 litres per capita per day for the staff by installing efficient fixtures and adequate technologies.
- PP has considered making provision for the washroom area instead of the bathing facilities and has referred NBC 2016, BIS norm published by Central Ground Water Authority, Government of India.
- PP has clarified that the requirement of water will not be compromised in any way and neither had intended to excuse from the budget associated with the STP capacity.
- PP will install the water meter to monitor the actual consumption of fresh water.
- PP will adopt adequate fixtures along with the necessary facilities to conserve the water.

The reply placed below the committee and the committee deliberated on following points:-

- Latest notification of Haryana Water Resources Authority dated 07.01.2022, it is observed that the village, where project is proposed, is falling under the Pink Zone (Low ground water stressed village).
- That PP has proposed to extract the water from Ground itself as there is no other source of water available in the region. PP has already applied for Ground Water NOC from the Haryana Water Resources Authority and submitted the copy of application to the office of SEAC.

- Further, it is also observed that PP has proposed water conservation measures like Dual plumbing, Rain water Harvesting through 53 pits and 2 ponds, inclusion of water saving fixtures using adequate technologies and an affidavit in this regard has also been submitted to the office of SEAC.

After due deliberation on the water requirement @30LPCD in view of taking water conservation measures by installing facets etc. and making the provision of washrooms without bathroom, the committee considered the reply submitted by PP and decided by majority to forward the case to SEIAA along with additional stipulation and other standard and specific condition which committee has already submitted vide SEAC MOM of 228th meeting.

Additional Stipulations:-

1. Telemetry water flow meters shall be installed at the source of water i.e. Borewell; Inlet and Outlet of STP (as per the guidelines of HWRA and HSPCB) and data needs to be submitted with Six Monthly compliance reports to the SEIAA/HSPCB.
2. The PP shall obtain the Fresh Environment Clearance with updated water requirement in case of increase in water quantum at any stage
3. That, the PP shall contribute towards the conservation of water by installing various water conservation technologies
