

Annexure-1

Award Criteria

1. Guidelines for AFR Excellence Award presentation (Plant Level)



1. Introduction of the plant and plant highlights / achievements.
2. AFR performance improvement over the last financial year in graphical representation
3. Aspiration of AF (TSR) roadmap for kiln and CPP / HAG up to 2030 with each year action plan for AF (kiln & CPP should be shown in different slides)
4. Types of wastes (solid hazardous, solid non-hazardous [RDF, paper, plastic etc], bio-mass, hazardous & non-hazardous [liquid / slurry / sludge] waste and quantities in MT co processed in the cement kilns of the plant.
5. Types of waste and quantity used as alternative fuel in the CPP
6. Show the pictures of AFR testing laboratory, Pre-processing and co processing facilities installed for alternative fuels of kiln / calciner and CPP.
7. Health & safety infrastructure, odor control created in the AFR pre and co processing systems and also the fire fighting systems installed.
8. Mention about the defined SOP for waste segregation, storage and feeding into the system.

1. Guidelines for AFR Excellence Award presentation

(Plant Level)



9. Best practices followed in pre & co processing of waste (liquid & solid) in kiln and CPP.
10. Plant EPR compliance (obligated and generated quantity due to co processing in the last financial year)
11. The quantity and percentage of the alternative raw material (limestone substituting material and corrective material) utilized in the last financial year.
12. Challenges faced and how they were addressed in the AFR pre & co processing
13. Plant organization structure for AFR activities (graphical showing functions and designations. Names of the employees are not required).
14. Specify if the plant has stand alone preprocessing facility for AFR (liquid, RDF and bio-mass). If yes, display the pictures in the ppt.

(*) Maximum number of slides in the presentation should not exceed 20 (twenty) including introduction and concluding

2. Guidelines for Energy Excellence award presentation (Plant Level)



1. Energy Policy, Roadmap, ISO 50001 Certification & Public disclosure
2. Energy management organization in the plant
3. Specific Thermal Energy Performance in kiln in the last financial year with annual average TSR achieved in the respective year
4. Specific Electrical Energy Performance
 - a) in clinkerisation in the last financial year with annual average TSR achieved in the respective year
 - b) in grinding in the last financial year with respect to the product mix (type of equipment used for grinding i.e., ball mill / roller mill / VRM). Please also specify the product wise(OPC, PPC, PSC & CC) annual average grinding energy.
5. Recently completed PAT cycle performance (target (vs) achievement)
6. Mandatory energy audits and opportunities identified (vs) initiatives completed in the last financial year.
7. ENCON Projects implemented in the last three years, year wise and energy and cost savings achieved along with images.

2. Guidelines for Energy Excellence award presentation (Plant Level)



8. Replicability of the idea implemented within the sector / outside the sector
9. Best practices in energy efficiency in cement plant and CPP both thermal & electrical energy initiatives in the last financial year
10. Aspiration of specific thermal & electrical energy roadmap for clinkerisation and grinding along with the action up to 2030 with each year action plan)
11. Recognition and Awards received in the last few years

3. Guidelines for Plant Environment Excellence award presentation **(Plant Level)**



1. Environment Policy, Roadmap, Compliance, and ISO 14001 Certification
2. Top Environment Projects implemented and environment performance improvement achieved in the last financial year
3. Emission performance of all the process stacks (dust, sox, NOx) both in cement plant & CPP and grinding wherever applicable, year wise.
4. Fugitive emission measured and reported in different areas of the plant
5. Ambient air quality emissions values from all AAQMS of cement plant & mines.
6. Specific water consumption performance in the last three years in Cement manufacturing, CPP, WHR & Mines. The per capita consumption of water in the colony.
7. Rain water harvested in the plant / colony / mines / communities in the last 3 years with images. The data to be provided in a table.
8. Waste generated in the plants and its disposal. Please display the images.
9. Compliance of the Green belt achieved along with google earth images.
10. Noise data values against the prescribed standards in different areas of the plant.
11. Percentage of SCMs used in different cements produced by plant (OPC, PPC, PSC & CC) in the last financial year.
12. Product mix achieved in the last financial year.

3. Guidelines for Plant Environment Excellence award presentation **(Plant Level)**



13. Percentage of AF and AR utilized replacing the natural resources in the last three years. Type of AR & AF materials used in the kilns and CPP.
14. Carbon foot print of different products produced in the plant
15. Housekeeping infrastructure along with plant visuals.
16. Afforestation with native species carried out in the mines as per the mining environmental clearance.
17. Disaster Management facility like emergency preparedness, fire fighting, spill prevention, emission control, odor control, control measures for avoidance of ground water and surface water contamination. Ambulance, first-aid facilities, hospitalization facilities, emergency drills etc as per EC & CTO condition.
18. Capacity building activities carried out for the plant team related to Environment activities.
19. Safety infrastructure created in the plant like emergency pumps running on DG sets for fire fighting.
20. Details of the Environmental laboratory.
21. Details of the AFR storage and handling facility.
22. Emission monitoring devices installed in all process stacks as well as monitoring devices installed in the AFR storage and handling areas.
23. Life cycle assessment & CO₂ sequester because of bio diversity

(*) 1 Year data is not mandatory if plant is commissioned recently and in that case, latest data can be provided.

4. Guidelines for De-carbonisation Excellence including deployment of Renewable Energy & Green Energy Excellence Award Presentation (Corporate / Company Level)



1. Renewable Energy Policy, Roadmap, RPO Compliance & Public disclosure
2. Captive / own generation of renewable energy generation (Solar & Non-Solar)
3. RCO/RPO compliance (renewable energy consumption in the overall electrical energy consumption of the plant), RE roadmap
4. WHRS Installed capacity, power generated & sp. Power generation in last financial year
5. Best practices for increasing the WHRS generation
6. Renewable energy purchased (Solar & Non-Solar) through bi-lateral or through group captive or through exchange
7. RPO certificates purchased (Solar & Non-Solar)

4. Guidelines for De-carbonisation Excellence including deployment of Renewable Energy & Green Energy Excellence Award Presentation (Corporate / Company Level)

8. Energy generated through Waste heat recovery in the last financial year
9. Percentage share of all the power sources (RE/WHRS/CPP/Grid) -Display the power mix in graphical representation for last financial year)
10. Tons of CO₂ reduced/year through renewable energy in the last financial year
11. Action plan for Net Zero developed (Scope-1, Scope-2 & Scope-3)
12. Best practices in CO₂ reduction in the last financial year (Scope-1, Scope-2 & Scope-3)
13. The public commitments made for CO₂ reduction in the short term, medium term & long term (RE100, SBTi, Net Zero)
14. Pilot projects under development and implementation for CO₂ reduction (carbon capture, carbon storage and carbon utilization, hydrogen production etc.)
15. Significant Awards achieved in the last financial year.

5. Guidelines for Water Stewardship Award Presentation (Plant Level)



1. Water Policy, Roadmap, Compliance & Public disclosure
2. Specific water consumption in Cement Plant, CPP/ WHRS, Colony & mines
3. ZLD for CPP, STPs for Plant, Mines & Colony
4. % of recycled water used in the process & other utilities
5. % of fresh water used in cement manufacturing & CPP
6. Rainwater harvested quantity
7. Water positive initiatives (Display the trend for last financial year)
8. Effluent & STP quality
9. Beyond the fence initiatives for drinking, domestic use & irrigation
10. Best practices implemented in the last financial year for the reduction of water intensity in cement manufacturing and power generation, water harvesting and utilization of wastewater in the process, domestic usage in the colony and for communities and for agriculture
11. Recognition and Awards

6. Guidelines for Health & Safety Excellence Award Presentation (Plant Level)



1. Health & Safety Policy, Roadmap, Compliance & Public disclosure
2. Safety performance in the Cement manufacturing, CPP, mines & project site within the plant boundary
3. Safety performance in Logistics (inbound & outbound)
4. Safety Best practices in manufacturing & infrastructure created
5. Safety Best practices in mines & infrastructure created
6. Safety best practices in Logistics (inbound & outbound) & infrastructure created
7. Health infrastructure created for the plant, colony and community.
8. Kaizen/Best practices implemented in the last financial year in Health & Safety- showcase the trend of near misses & accidents in last financial year
9. Replicability of the idea implemented within the sector / outside the sector
10. Recognition and Awards

7. Guidelines for Productivity Excellence Award Presentation **(Plant Level)**

1. Trend of productivity & Productivity improvement achieved in the last financial year
2. Productivity benchmarking & gap analysis
3. Productivity improvement roadmap/action plan
4. Number of Initiatives implemented (OPEX & CAPEX) for productivity improvement
5. Replicability of the innovative ideas implemented in the last financial year which has the potential to replicate within the sector / across other sectors
6. Recognition and Awards

8. Guidelines for Environment and sustainability excellence in RMC Award Presentation **(Corporate / Company Level)**



1. Specific CO₂ emission for m³ of concrete reduction achieved in the last financial year (Scope-1, Scope-2 & Scope-3)
2. % blended cement used in concrete in last financial year
3. Utilization of recycled water / harvested water in the RMC in the last financial year
4. % Utilization of recycled aggregate and sand in the last financial year
5. % Utilization of SCM's in RMC in last financial year
6. Ambient air quality improvement in the last financial year
7. Environment improvement projects implemented in the last financial year.
8. Energy efficiency improvement in the last financial year
9. Renewable energy utilization in RMC manufacturing
10. Net zero roadmap development for the RMC (water, waste, CO₂) and the current results achieved
11. Innovative RMC products developed to reduce the life cycle footprint of the built environment.
12. List of green pro certified products developed in the RMC plant
13. Awards and recognitions

9. Guidelines for Green Logistics and Supply Chain Excellence Award Presentation **(Plant Level)**



1. Logistic scenario (vision / mission / action plan towards greening) in inbound & outbound logistic (road/rail/waterways)- Quantity & type of vehicles
2. Logistic scenario in mining operations (vision / mission / action plan towards greening) - Quantity & type of vehicles
3. If any green fuel/ bio-fuel used in mining logistics
4. Reduction in logistic related GHG emissions in last financial year
5. Share of EV's/ CNG Vehicle used in total logistics in the last financial year – no. of vehicles, average distance covered, charging infrastructure
6. Best practices (automation/real time tracking/ reducing TAT etc.) implemented in logistic operations in the last financial year
7. Safety performance – accidents, sharing of information, Safety SOP development and implementation avoiding reoccurrence
8. Stakeholder engagement (Drivers, contractors) : awareness, training, infrastructure (rest room / parking facilities)
- 9 Roadmap/active plan for increasing the EV share in total logistic
10. Awards & Recognition achieved

10. Guidelines for Net Zero Buildings Award Presentation (Project and the Developer)



1. Rating system adopted & certificates achieved (rating level / % improvement over standard requirements)
2. Specify the Building features as per the certificates received (water consumption, waste handling, RE usage, energy efficient technologies installed, IOT/AI based technology, etc.)
3. Energy performance index (kwh/m²), Energy efficiency measurements adopted in the last financial year with investment
4. Indoor Air quality monitoring system (Fresh air changes / CO₂ monitoring), thermal comfort, EV charging
5. Embodied carbon emissions for sq. m of building (kg CO₂/m²) during construction / operation
6. Training, awareness creation, employee / occupants engagement & involvement
7. % Renewable energy, EV charging used in operation of the building
8. Greenery / Plantation / landscape initiatives
9. Awards & Recognitions received

11. Guidelines for C&D Waste Processing Plant excellence award presentation **(Corporate / Company Level)**



1. Plant Introduction- processing capacity (TPD), Type of C&D waste handled (concrete, bricks, debris, etc.)
2. Compliance with CPCB/SPCB norms, Dust control & noise reduction systems
3. Alignment with circular economy policies, collaboration with local stakeholders (Municipalities / ULB / Construction sector)
4. Type of technology used (manual/semi-automated/automated), Crushing, screening, washing & segregation systems, best practices followed
5. Innovations adopted (sensor-based sorting, IoT, etc.)
6. Total C&D waste received vs. processed (in tons/year) % of material diverted from landfilling
7. GHG emissions avoided (tons CO₂/year)
8. Occupational health and safety practices
9. Certifications,- QMS / EMS / IMS with improvement details
10. Awards and recognitions

12. Guidelines for CSR Excellence Award Presentation (Corporate / Company Level)



1. CSR Vision and Policy Statement
2. CSR Budget (as per Companies Act) committed, actual expenditure
3. CSR Themes Focused (Education, Health, Environment, Livelihood, etc.) and impact created linked with SDG goals
4. CSR Roadmap with clear quantitative impacts, resource allocation (including finance), implementation plan for next 5 yrs
5. Describe 3 flagship CSR project
 - Objectives, Scope, Geography, Timeline
 - Budget and Resource Allocation
 - Key Achievements (quantitative and qualitative) with SDG goals
 - Before vs. After Comparison (data, photos, testimonials)
 - Third party validation and feed back from beneficiaries
6. Awards, certifications, and recognitions

13. Guidelines for SUSTAINABLE MINING EXCELLENCE

Award presentation (Plant Level)



1. **Mine Safety & Incident Management-** Zero Harm Practices, Incident Reduction, Safer Blasting techniques, magazine safety, Emergency Preparedness-
2. **Productivity & Efficiency-** Production (TPH), Drilling Rate, Explosives Usage, Diesel Consumption, use of AI in material transportation / Vehicle movement, Powder factor
3. **Resource Efficiency & Mine Life Optimization-** Mine Life Extension Strategies, Specific Resource Use (diesel, explosives), Sustainable Drilling
4. **Quality Control Systems-** mines planning, core drilling analysis, quality software /Online Monitoring Systems like Cross Belt Analyzer (CBA), Standard Deviation Control
5. **Training & Capacity Building-** Skill Development Initiatives, Safety Training Hours, Sustainability Target Setting, Financial Resource Allocation, Strategy Integration into Operations
6. **Circularity Measures-** Overburden Reuse, Oil Recycling, Use of Alternate Raw Materials, Biofuels
7. **Eco-Friendly Mining Practices-** Surface Miners, Rock Breakers, Low-emission Equipment, EV Deployment
8. **Environmental Management-** Air & Water Quality, ETPs, Rainwater Harvesting, Blast Innovation, Noise & Vibration Control

13. Guidelines for SUSTAINABLE MINING EXCELLENCE

Award presentation (Plant Level)



- 09. CSR Engagement-** Health, Education, Livelihood, Outside-the-fence Interventions
- 10. Decarbonization Initiatives-** RE, Biodiversity & Afforestation, LNG/CNG/Biofuel, EV's
- 11. Awards & External Recognitions-** State/National Awards, IBM/DGMS/Star Ratings, Voluntary Certifications (GreenCo, etc.)
- 12. Innovation & Breakthrough Practices-** innovative Ideas implementation in Any of the Above Areas

14. Guidelines for Precast Plant Award Presentation (Corporate / Company Level)



1. **Certifications & Management Systems Quality and Environment-** ISO 14001, ISO 9001, Environmental Monitoring, EMS practices, Legal Compliances
2. **Production Efficiency & Throughput-** Capacity Utilization, Downtime Reduction wrt to conventional method of construction, Productivity per Shift
3. **Quality Assurance Systems-** QA/QC Lab, Internal QA/QC Practices, 3rd party certification, Testing Infrastructure, Customer feed back, complaint
4. **Safety Management & Compliance-** Factory Safety Systems, Equipment Safety, Worker PPE Usage, Safety Audit, Fire Prevention, Zero Accidents/Incidents
5. **Sustainability Practices-** Resource Conservation (Water, Cement, Aggregates), Energy monitoring / Efficiency, Waste Reuse, Curing Techniques (steam, mist, etc.), Carbon Footprint Reduction
6. **Manufacturing & Material Flow Optimization-** Layout Planning, Inventory Management, Logistic Flow, Waste Minimization, Movement Reduction
7. **Innovation in Design or Manufacturing Process-** In-house Design Capabilities, Formwork Innovation, Modularization, Custom Precast Systems, Patents or Process Innovations
8. **Embodied Carbon Reporting and Reduction in factory operations and precast elements**
9. **Use of Renewable Energy (RE)-** % RE share in total energy use, solar rooftops, power purchase agreements
10. **Certifications, Awards, and Recognitions-** IGBC / LEED, GreenPro, GreenCo, Any other Certifications Awards from Industry Bodies