**CHECKLIST - INFORMATION REQUIRED FOR CONCRETE MIX PROPORTIONING**

Name of Work:

C. A. No.:

Name of Agency:

| **Sl. No.** | **Data required** | **To be filled by RMC Supplier / Contractor** | **Remarks** |
| --- | --- | --- | --- |
|  | Status of Concrete Mix Design | New / Verification |  |
|  | Type of Concrete | Ordinary / SCC / PQC / DLC / Any other (Please specify) |  |
| 1. | Mix Design ID |  |  |
| 2. | Methodology adopted | IS 10262 : 2019 / Morth Cl. 1700 / IRC 44 : 2017 / IRC 112 : 2020 / IRC SP 49 : 2014 |  |
| 3. | Grade of Concrete |  |  |
| 4. | Workability in terms of slump (mm) |  | Refer Cl. 7, IS 456 : 2000 |
| 5. | Retention (Transportation) time |  |  |
| 6. | Exposure Condition |  | Refer Table 3, IS 456 : 2000 OR  Stipulated Bid Conditions, if any |
| 7. | Maximum Nominal Size of Aggregate |  |  |
| 8. | Minimum Cement Content (if any) |  | Refer Table 5, IS 456 : 2000 OR  Stipulated Bid Conditions, if any |
| 9. | Maximum Water Cement Ratio (If any) |  |
| 10. | Maximum Cement Content (If any) |  | Refer Cl. 8.2.4.2., IS 456 : 2000 |
| 11. | Method of Placing | Manual / Pumped / \_\_\_\_\_\_\_\_\_\_\_ |  |
| 12. | Degree of Control (For Std Deviation) | Good / Fair | Refer Table 8, IS 456 : 2000 |
| 13. | **Details of Cementitious Material** |  |  |
|  | 1. **Cement** |  |  |
| a. | Brand / Manufacturer Name |  |  |
| b. | Type of Cement | OPC/ PPC/ PSC/ \_\_\_\_\_\_ |  |
| c. | Grade of Cement | 33 grade /43 grade / 53 grade |  |
| d. | Whether cement brand is approved with CIDCO? | Yes / No. |  |
| e. | If Yes, please specify validity |  |  |
|  | 1. **Mineral Admixture** | Yes / No. |  |
| a. | Type of Mineral Admixture | Flyash / GGBS / Silica fume / \_\_\_\_\_\_\_\_ | Refer Cl. 5.2., IS 456 : 2000 |
| b. | Brand of Mineral Admixture |  |  |
| c. | Whether brand is approved with CIDCO? |  |  |
| d. | If Yes, please specify validity |  |  |
| e. | Maximum allowable Percentage  (For Flyash, not more than 20%) |  | Stipulated Bid Conditions OR Refer Cl. 5.2., IS 456 : 2000 OR  Table 9, IS 10262 : 2019 |
| **14** | **Crystalline Durability Admixture** | Yes / No. |  |
| a. | Brand / Product Name of CDA |  |  |
| b. | Manufacturer of CDA |  |  |
| c. | Whether brand / Manufacturer is approved with CIDCO? |  |  |
| d. | If Yes, please specify validity |  |  |
| 15 | **Chemical Admixture** | Yes / No. |  |
| a. | Type of Chemical Admixture | Accelerating / Retarding / Air Entraining / Normal Superplasticizers / \_\_\_\_\_\_\_\_\_\_ | Refer Cl. 5.5., IS 456 : 2000 |
| b. | Brand / Product Name of Chemical Admixture |  |  |
| c. | Manufacturer of Chemical Admixture |  |  |
| d. | Whether brand / Manufacturer is approved with CIDCO? |  |  |
| e. | If Yes, please specify validity |  |  |
| f. | Maximum dose (proposed) of chemical Admixture |  |  |
| g. | Whether compatible with Cement & CDA?  If Yes, please enclose compatibility test report or MTC. |  |  |
| 16 | **Water** |  |  |
| a. | Type of Water |  |  |
| b. | Source of Water | Ground water / Tap water / Open Lake / Specify if other\_\_\_\_\_\_\_\_\_ |  |
| 17 | **Coarse Aggregate** |  |  |
| a. | Type of Coarse Aggregate | Rounded / Angular |  |
| b. | Source of Coarse Aggregate |  |  |
| 18 | **Fine Aggregate** |  |  |
| a. | Type of Fine Aggregate | Natural / Crushed /\_\_\_\_\_\_\_ |  |
| b. | Source of Fine Aggregate |  |  |
| **19.** | **For Self Compacting Concrete Mix Design** | | |
|  | Slump Flow required |  |  |
|  | Passing Ability required |  |  |
|  | V Funnel Flow time required |  |  |
|  | SR Resistance required |  |  |
|  | Powder Content required |  |  |
| **20.** | **For Pavement Quality Concrete Mix Design** | | |
| a. | Flexural Strength required |  |  |
| **21.** | **Any other Specific information** | | |
|  |  |  |  |

Contractor AE ( ) AEE ( ) EE ( )