|  |  |  |  |
| --- | --- | --- | --- |
| **From (Section)** | **DGM & I/c**  | **To** | **DGM & I/c (C&S)** |
| **Assignment No.**  |  | **Issue date**  |  |
| **Title :-**  | **By when required**  |  |
| **Name of engineer to be contacted for clarifications:** |  |

1. **Brief description of the job with all necessary input information:**
2. **Scope of work for civil and structural work along with layout in the form of drawing or sketch to be attached.**
3. **Area wise required input information to be filled up by Technologist/TFL:**

**3.1 Foundation For machines/Equipment**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of machine/ equipment | **Static Load** | **Dynamic Load** | Dimension at base plate level  | Level of Top of concrete above EGL/FFL | Anchoring details-bolt layout & size \* |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

\*Only if DE drawings are required

**3.2 Foundation for Pipe Trestles**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Vertical Load | Load along pipe | Load Across pipe | Dimension at base plate level  | Level of Top of concrete above EGL/FFL | Anchoring details-bolt layout & size\* |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

\*Only if DE drawings are required

* 1. **Building**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Internal Size (L x W x H) | No. and size of Door for non-std. | Opening with size and location in wall and roof | Insert detail with load for support | Layout of different floors | Flooring and other internal finishes required. |
| 1. |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |  |

**Other information**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Handling facilities. | Pipe/ Cable trenches-location & size | Ramps etc. | Requirement of toilets etc. | Cellars/ Basement if required. |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

**3.4 Tank**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Capacity in m3 with approx. size | Staging Height | Nozzle Nos. with size and location | Name of Special internal coating if required | Remarks |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

**3.5 Chimney**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Base diameter | Height | Top diameter | Stair case required or not  | Flue duct- size & depth below EGL/FFL |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

1. **Area wise required input information to be filled up by Technologist/TFL:**

**5.1 Foundation For machines/Equipment**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of machine/ equipment | **Static Load** | **Dynamic Load** | Dimension at base plate level  | Level of bottom and Top of structure | Operating frequency |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

**5.2 Structures for Pipe Trestles**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Type of Support with required nos. | Vertical Load | Load along pipe | Load Across pipe | Level of bottom and Top of structure  | Remarks |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

**5.3 Strl. Building**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Internal Size (L x W x H) | No. and size of Door for non-std. | Opening with size and location in wall and roof | Handling facilities. | Other requirements (walkway, crane maintenance requirement) |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

**5.4 Tank**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Capacity in m3 with approx. size | Staging Height | Nozzle Nos. with size and location | Name of Special internal coating if required | Remarks |
| 1. |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |

**5.5 Chimney (RCC or Steel)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S. No. | Purpose | Base diameter | Height | Top diameter | Stair case required or not  | Special instruction if any (refractory lining etc) | Opening etc required for Flue tunnel and other purposes |
| 1. |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |  |