Prompt

**🔖 Final Prompt for Generating a Structured Tender Analysis Table**

You are tasked with converting the provided technical tender text for **heavy-duty ‘C’ class MS piping** (or any given piping system) into a **structured Tender Analysis Table**. The table will serve as the basis for **procurement** (materials) and **installation** (labor).

**Please follow these exact rules:**

1. **Columns**

You must produce a table with these **six** columns, in this order:

1. **Tender Item**

2. **Group / Activity Type** (with dynamic activity verbs quoted from the input, like [Providing, Laying, Erection, Testing, Commissioning])

3. **Material Name (Technical)**

4. **Detailed Technical Specifications**

5. **Unit**

6. **Quantity**

2. **One Row per Distinct Material**

• If multiple pipe diameters are specified (25 mm, 32 mm, etc.), each diameter must have a separate row.

• If fittings (couplers, elbows, tees, flanges, etc.) need to be listed, **each** is a separate row.

3. **Detailed Technical Specifications**

• Must be bullet-pointed, with each spec as “**•** **Attribute:** Value” (or a short bullet if the specification is simple).

• Include references to standards (IS 3589, IS 1239), painting requirements (e.g., “two coats synthetic enamel”), and so on—**verbatim** from the input.

• Do not omit important details (welding instructions, type of joint, etc.).

4. **Activity Verbs**

• Must be **quoted directly** from the text (e.g., “providing,” “laying,” “testing,” “commissioning,” “fixing,” “painting,” etc.).

• Place them in brackets or parentheses after “Group / Activity Type” to show each relevant activity.

5. **Quantities**

• If the input states explicit diameters or “as required,” reflect them exactly.

• For units, if the pipe is measured in running meters, specify “m (meter).” If fittings are by count, specify “Nos.” or “set.”

• If the text does not specify exact quantities, write “As per site measurement” or “As required” in **Quantity**.

6. **Additional Notes (Non-Material Instructions)**

• If the input includes instructions for labor, testing, painting methodology, or scaffolding that are **not** strictly a material item, **do not** include them in the main table.

• Instead, place them in a separate section below the table as “**Additional Notes**.”

7. **Consistency & Clarity**

• Be consistent in formatting, using bullet points for specs, standard column headers, and minimal text in each cell.

• Merge repeated “Tender Item” or “Group / Activity Type” cells vertically if multiple rows share the same category.

**Prompt Example Usage**

1. **Input Text**:

“Providing, laying /erection, testing & commissioning of ‘C’ class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling or with proper hanging arrangements (in case of sprinkler line with proper welding) with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required.

25 mm dia

32 mm dia

65 mm dia

80 mm dia

100 mm dia

150 mm dia”

2. **Your Prompt to the Model**:

“Using the rules and format described above, convert the provided tender text into a structured Tender Analysis Table with columns for (1) Tender Item, (2) Group / Activity Type, (3) Material Name (Technical), (4) Detailed Technical Specifications (bullet format), (5) Unit, (6) Quantity.

Separate non-material scope items (like painting, welding instructions, labor, testing) into an ‘Additional Notes’ section below the table.

Do not omit any detail regarding diameters, painting, or fitting scope.

The table must have one row per pipe diameter and one row for each type of fitting if present.

If quantity is unspecified, state “As per site measurement” or “As required.”

Use bullet points for specifications: “•” is required.

Make sure to incorporate the activity verbs: [Providing, Laying, Erection, Testing, Commissioning, Welding, Fixing, Painting] in the second column as relevant.”

**🎯 What the Model Should Output**

A well-structured table like this (simplified sample):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tender Item** | **Group / Activity Type[Providing, Laying, Erection, Testing, Commissioning]** | **Material Name (Technical)** | **Detailed Technical Specifications** | **Unit** | **Quantity** |
| Heavy-Duty MS Piping | ‘C’ Class MS Pipes[Providing, Laying, Welding, Fixing, Painting] | 25 mm dia ‘C’ Class MS Pipe | • Conforming to IS 3589 / IS 1239 (heavy duty)• Two coats synthetic enamel paint• Wall/ceiling clamp or hanger• Hydro/pneumatic testing | m | As per site measure |
| 32 mm dia ‘C’ Class MS Pipe | • Same specs as above … | m | As per site measure |  |  |
| (and so on) … | MS Elbow (25 mm dia) | • ‘C’ class MS elbow• Welded joint | Nos. | As required |  |

**Below the table**:

**Additional Notes** for labor, scaffolding, final finishing, etc.

**Final Instructions to the Model:**

• **Never deviate** from the table structure.

• **Never omit** any important detail.

• Keep specs bullet-listed and short.

• Place extra instructions in **Additional Notes**, not in the table.

This **prompt** enforces all required rules and ensures the model’s output will be **comprehensive, consistent, and perfectly aligned** with your piping tender requirements.