**EGBOCHUKWU EBENEZER UZOCHIWARA**

**17/ENG01/008**

**CHEMICAL ENGINEERING**

**QUESTION 2**

**BILL OF ENGINEERING MEASUREMENT AND EVALUATION FOR A TYPICAL CHEMICAL ENGINEERING- EMULSION PAINT PRODUCTION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ITEM**  | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **CALCIUM CARBIDE** | **In organic solvent** | **KG** |  | **60** | **15,000** |
| **WATER** | **Resin** | **KG** |  | **100** | **2000** |
| **KAOLINE** | **For proper mixing and dissolving** | **KG** |  | **12** | **11,000** |
| **DS** | **It is a biocide to extend the paint life span** | **KG** |  | **15** | **3,000** |
|  **JENOPOR** | **Deformer** | **KG** |  | **35** | **1,000** |
| **IMPELLER SHEAR**  | **Machine used to mix** | **KG** |  | **1** | **100,000** |
| **PIGMENT** | **Paint colour** | **KG** |  | **10** | **15,000** |
| **TITANIUMDIOXIDE** | **Also, an in organic pigment** | **KG** |  | **15** | **16,000** |
| **AMONIUM (BIOCYDE)** | **It is a biocide** | **KG** |  | **5** | **18,000** |
| **ACRYLIC** | **Inorganic resin** | **KG** |  | **65** | **95,000** |
|  |  |  |  | **TOTAL** | **181,000** |