Bảng material\_types gồm: ID\_MATERIAL\_TYPES, NAME\_MATERIAL\_TYPES

Bảng materials gồm : ID\_MATERIALS\_,ID\_MATERIAL\_TYPES, NAME\_MATERIALS, UNIT\_MATERIALS, QUANTITY\_ORDER\_ITEMS, COST\_PER\_UNIT\_,CREATED\_AT\_PRODUCTS, UPDATED\_AT\_PRODUCTS, ORIGIN VARCHAR(255), EXPIRY\_DATE DATETIME

Bảng inventory gồm: ID\_INVENTORY\_,ID\_MATERIALS\_,QUANTITY\_ORDER\_ITEMS, LAST\_UPDATED\_, STORAGE\_CONDITION

Bảng suppliers gồm : ID\_SUPPLIERS, NAME\_PRODUCTS, ADDRESS\_SUPPLIERS, PHONE\_SUPPLIERS, EMAIL\_SUPPLIERS, CREATED\_AT\_SUPPLIERS, UPDATED\_AT\_SUPPLIERS, STATUS\_SUPPLIERS

Bảng material\_orders gồm: ID\_MATERIAL\_ORDER INT, ID\_MATERIALS\_ INT, ID\_SUPPLIERS INT, QUANTITY\_ORDERED INT, ORDER\_DATE DATETIME, DELIVERY\_DATE DATETIME, STATUS VARCHAR(255), TOTAL\_COST FLOAT

Bảng users gồm: ID\_USERS, ID\_ROLE, HO\_TEN, EMAIL, \_PASSWORD\_HASH\_USERS, SO\_DIEN\_THOAI, IS\_ACTIVE\_USERS, NGAY\_TAO\_USER, NGAY\_CAP\_NHAT\_USER, IS\_DELETE\_USERS, AVATAR, DIA\_CHI\_Provinces, DIA\_CHI\_Districts, DIA\_CHI\_Wards, DIA\_CHI\_STREETNAME, TRANG\_THAI\_USER

Bảng role gồm: ID\_ROLE, NAME\_ROLE, LIST\_PERMISION, IS\_DELETE,CODE\_NAME

Bảng cart gồm: ID\_CART, ID\_PRODUCT, ID\_USERS, CREATED\_AT\_CART

Bảng products gồm: ID\_PRODUCT, ID\_CATEGORIES\_, NAME\_PRODUCTS, DESCRIPTION\_PRODUCTS, PRICE\_PRODUCTS, STOCK\_PRODUCTS, IMAGE\_URL\_PRODUCTS, CREATED\_AT\_PRODUCTS, UPDATED\_AT\_PRODUCTS

Bảng categories gồm: ID\_CATEGORIES\_, NAME\_CATEGORIES\_

**Bảng production\_plans gồm**: ID\_PRODUCTION\_PLANS, ID\_PRODUCT, ID\_USERS, PLANNED\_START\_PRODUCTION\_PLANS, PLANNED\_END\_PRODUCTION\_PLANS, ACTUAL\_START\_PRODUCTION\_PLANS, ACTUAL\_END\_PRODUCTION\_PLANS, STATUS\_PRODUCTION\_PLANS, NOTE\_PRODUCTION\_PLANS

Bảng production\_steps gồm: ID\_PRODUCTION\_STEPS\_, ID\_PRODUCTION\_PLANS, ID\_USERS, ID\_EQUIPMENT, STEP\_NAME\_PRODUCTION\_STEPS, START\_TIME\_PRODUCTION\_STEPS, END\_TIME\_PRODUCTION\_STEPS, STATUS\_PRODUCTION\_STEPS

Bảng production\_materials gồm: ID\_PRODUCT\_MATERIALS, ID\_PRODUCTION\_PLANS, ID\_MATERIALS\_,QUANTITY\_PER\_UNIT\_PRODUCT\_MATERIALS, UNIT\_PRODUCT\_MATERIALS

Bảng orders gồm: ID\_ORDERS\_, ID\_USERS, DATE\_ORDER, TOTAL\_AMOUNT\_ORDER, PAYMENT\_STATUS\_ORDER, SHIPPING\_STATUS\_ORDER, SHIPPING\_ADDRESS, SHIPPING\_METHOD, SHIPPING\_COST

Bảng order\_items gồm: ID\_ORDER\_ITEMS, ID\_PRODUCT, ID\_ORDERS\_, QUANTITY\_INVENTORY, PRICE\_ORDER\_ITEMS

Bảng quality\_control gồm: ID\_QUALITY\_CONTROL, ID\_PRODUCTION\_STEPS\_, ID\_PRODUCT, ID\_USERS, CHECK\_DATE, RESULT, NOTE

Bảng role gồm: ID\_ROLE, NAME\_ROLE, LIST\_PERMISION, IS\_DELETE, CODE\_NAME

Bảng companies gồm : ID\_COMPANY INT PRIMARY KEY AUTO\_INCREMENT,NAME\_COMPANY VARCHAR(255) NOT NULL,

TYPE\_COMPANY VARCHAR(50), -- Ví dụ: 'MANUFACTURER', 'SUPPLIER', 'TRANSPORT'

ADDRESS VARCHAR(255), -- Địa chỉ tổng quát, có thể giữ hoặc xóa nếu dùng các trường chi tiết

DIA\_CHI\_Provinces VARCHAR(100), -- Tỉnh/Thành phố

DIA\_CHI\_Districts VARCHAR(100), -- Quận/Huyện

DIA\_CHI\_Wards VARCHAR(100), -- Phường/Xã

DIA\_CHI\_STREETNAME VARCHAR(255), -- Tên đường

PHONE VARCHAR(50),

EMAIL VARCHAR(255),

AVATAR VARCHAR(255), -- Đường dẫn đến ảnh đại diện công ty

SLUG VARCHAR(255) UNIQUE, -- Định danh URL, ví dụ: ten-cong-ty

CREATED\_AT DATETIME DEFAULT CURRENT\_TIMESTAMP,

UPDATED\_AT DATETIME DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

STATUS VARCHAR(50) DEFAULT 'ACTIVE', ID\_COMPANY\_TYPE

Bảng company\_types gồm : ID\_COMPANY\_TYPE INT PRIMARY KEY AUTO\_INCREMENT,NAME\_COMPANY\_TYPE VARCHAR(50) NOT NULL

Trong bảng transport\_orders gồm : ID\_TRANSPORT\_ORDER INT AUTO\_INCREMENT PRIMARY KEY, ID\_COMPANY INT, -- công ty vận chuyển (TRANSPORT), ID\_MATERIAL\_ORDER INT, -- nếu vận chuyển , ID\_ORDER INT, DELIVERY\_DATE DATETIME, STATUS VARCHAR(100), SHIPPING\_COST FLOAT, CREATED\_AT DATETIME DEFAULT CURRENT\_TIMESTAMP, UPDATED\_AT DATETIME DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP, NOTE TEXT