

Materials Table Data:

material_id	material_name	unit	current_stock	minimum_stock_level	supplier_id
1	Cement	Bags	500	100	1
2	Steel	Tons	100	20	2
3	Concrete	Cubic meters	300	50	1
4	Bricks	Thousands	200	30	3

Suppliers Table Data:

supplier_id	supplier_name	contact_person	phone	email
1	ABC Suppliers	John Smith	+1234567890	john@example.com
2	XYZ Builders	Emily Johnson	+1987654321	emily@xyzbuilders.com
3	PQR Constructions	Mark Davis	+1122334455	mark@pqrconstructions.com

Transactions Table Data:

transaction_id	material_id	transaction_date	transaction_type	quantity	remarks
1	1	2023-07-15 10:00:00	inward	100	Received from ABC Suppliers
2	2	2023-07-16 11:30:00	inward	20	Received from XYZ Builders
3	3	2023-07-17 09:45:00	outward	50	Issued for Project A
4	1	2023-07-18 13:00:00	inward	200	Received from ABC Suppliers

Explanation:

- **Materials Table:** Contains information about various materials used in civil engineering, including their current stock levels and minimum stock levels. Each material is associated with a supplier through the supplier_id field.
- **Suppliers Table:** Stores details of suppliers providing the materials, including their contact information.
- **Transactions Table:** Tracks all movements of materials, whether inward (received from suppliers) or outward (issued for projects). Each transaction records the material involved, quantity, date/time of the transaction, transaction type, and optional remarks.