## Steel Plant – set up

## **Chart of accounts**

Account Group	Account Name/Description	Example G/L Account Number
Assets		
- Current Assets		
- Cash	Main Bank Account	100000
- Accounts Receivable	Trade Receivables	110000
- Inventory	Raw Materials Inventory	120000
	Work-in-Progress (WIP) Inventory	120100
	Finished Goods Inventory	120200
- Prepaid Expenses	Prepaid Insurance	130000
- Fixed Assets		
- Machinery & Equipment	Manufacturing Equipment	150000
- Accumulated Depreciation	Accum. Depreciation - Equipment	160000
Liabilities		
- Current Liabilities		
- Accounts Payable	Trade Payables	200000
- Accrued Expenses	Accrued Payroll	210000
- Short-term Loans	Bank Overdraft	220000
- Long-term Liabilities		
- Long-term Loans	Equipment Loan	250000
Equity		
- Share Capital	Common Stock	300000
- Retained Earnings	Retained Earnings	310000
Revenue		
- Sales Revenue	Product Sales	400000

Account Group	Account Name/Description	Example G/L Account Number
- Other Income	Scrap Sales	410000
Cost of Goods Sold		
- Direct Materials	Raw Material Consumption	500000
- Direct Labor	Factory Wages	510000
- Manufacturing Overhead	Factory Utilities	520000
	Depreciation - Factory Equipment	520100
Operating Expenses		
- Selling Expenses	Sales Commissions	600000
- Administrative Expenses	Office Salaries	610000
	Office Supplies	610100

# • 1. Organizational Structure (Entities & Sub-Entities)

Level	Example Name/Code	Description/Role		
Client	100 - Global Manufacturing	Highest SAP level; represents the entire enterprise.		
Company Code	2000 - India Manufacturing	Legal entity for external reporting and accounting.		
Plant	2100 - Pune Plant	Physical location for production or distribution.		
	2200 - Mumbai Warehouse	Additional plant (e.g., for storage/distribution).		
Storage Location	RM01 - Raw Material Store	Inventory sub-entity within a plant.		
	FG01 - Finished Goods Store	Another storage location within the plant.		
Sales Organization	SO01 - Domestic Sales	Manages sales and distribution for a region or product line.		
Division	D01 - Industrial Products	Represents a product line or business division.		
Purchasing Org.	3000 - Central Purchasing	Handles procurement for plants/company codes.		
Purchasing Group	301 - Raw Materials Team	Responsible for specific purchasing activities.		

#### 2. Revenue Centres

Revenue centres are often mapped to sales organizations, divisions, or profit centres in SAP. They track income generated by specific business units, product lines, or regions.

Revenue Centre Type	Example Name/Code	Description/Role
Sales Organization SO01 - Domestic Sales Revenue from		Revenue from domestic sales.
Division D01 - Industrial Products Revenue by product line or di		Revenue by product line or division.
Profit Centre	PC01 - Pune Operations	Tracks profit for a plant or business unit.

#### 3. Cost Centres

Cost centres are used for tracking and controlling costs within the organization. They are typically assigned to departments, production lines, or activities.

Cost Centre Type	Example Name/Code	Description/Role
Production Dept.	CC1001 - Assembly Line 1	Costs for a specific production line or department.
Maintenance Dept.	CC2001 - Plant Maintenance	Costs for plant maintenance activities.
Administration	CC3001 - Admin Office	Costs for administrative functions.
Sales & Marketing	CC4001 - Sales Team	Costs for sales and marketing activities.
Warehouse	CC5001 - FG Warehouse	Costs for finished goods storage and handling.

#### 4. Hierarchical Example

- Client (100)
  - o Company Code (2000)
    - Plant (2100: Pune Plant)
      - Storage Location (RM01: Raw Material Store)
      - Storage Location (FG01: Finished Goods Store)
      - Cost Centres (CC1001: Assembly Line 1, CC2001: Plant Maintenance)
      - Profit Centre (PC01: Pune Operations)

- Sales Organization (SO01: Domestic Sales)
  - Division (D01: Industrial Products)
  - Revenue Centre (SO01: Domestic Sales, D01: Industrial Products)
- Key Points
- **Entities and sub-entities** in SAP mirror real-world business structure for accurate reporting and control.
- **Revenue centres** (sales org, division, profit centre) help track income by business unit or product line.
- **Cost centres** enable detailed cost tracking for departments, plants, and activities, supporting budgeting and variance analysis.
- This structure is flexible and can be expanded according to business complexity and reporting needs.

#### 1. Customer Master Data (AR)

Typically stored in KNA1 (General Data) and KNVV (Sales Area Data)

Customer ID	Name	Address	Country	Payment Terms	Credit Limit	Sales Org	Division
C10001	Tech Solutions Inc.	123 Business Rd	US	ZN30	\$50,000	SO01	D01
C10002	Global Industries	456 Trade Ave	DE	ZN60	\$100,000	SO02	D02
C10003	Precision Tools Ltd	789 Industry St	JP	ZN45	\$75,000	SO01	D03

#### 2. Vendor Master Data (AP)

Key tables: LFA1 (General Data), LFB1 (Company Code Data)

Vendor ID	Name	Address	Country	Payment Terms	Recon Account	Purch Org
V20001	Raw Materials Co.	101 Supply Lane	CN	ZN30	200000	3000
V20002	Machinery Parts Ltd	202 Component St	DE	ZN60	200000	3000
V20003	Logistics Pro	303 Shipping Rd	US	ZN45	200000	3001

#### 3. Accounts Payable (AP) Transactions

## Sample open items (BSIK table)

Vendor ID	Doc Number	Posting Date	Amount	Due Date	Baseline Date
V20001	510123456	2025-05-01	\$12,500	2025-06-10	2025-05-01
V20002	510789012	2025-05-15	\$8,200	2025-07-05	2025-05-15
V20003	510345678	2025-06-01	\$3,450	2025-07-20	2025-06-01

### 4. Accounts Receivable (AR) Transactions

Sample invoices (BSEG table)

Customer ID	Invoice #	Posting Date	Amount	Due Date	Payment Status
C10001	900123456	2025-05-10	\$15,000	2025-06-20	Open
C10002	900789012	2025-05-22	\$22,500	2025-07-12	Open
C10003	900345678	2025-06-05	\$9,800	2025-07-25	Partial Payment

Bank Statement: Pune Plant – June 24, 2025

Account Number: 2100-PL-PUNE Opening Balance: ₹8,927,450.00 Closing Balance: ₹9,412,780.00

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Txn No.	Date	Ref/Description	Туре	Amount (₹)	Balance (₹)
1	24-Jun-25	Opening Balance	OPEN		8,927,450.00
2	24-Jun-25	Customer Receipt INV-210045	Inward	1,250,000	10,177,450.00
3	24-Jun-25	Vendor Payment RM-LTD-7890	Outward	450,000	9,727,450.00
4	24-Jun-25	TDS Payment Q1 FY25	Outward	320,000	9,407,450.00
5	24-Jun-25	Payroll June	Outward	2,100,000	7,307,450.00
6	24-Jun-25	Customer Advance ORD-789	Inward	800,000	8,107,450.00
7	24-Jun-25	Vendor Payment MACH-5678	Outward	185,000	7,922,450.00
8	24-Jun-25	Intercompany Loan Repayment	Outward	1,500,000	6,422,450.00
9	24-Jun-25	GST Payment June	Outward	675,000	5,747,450.00
10	24-Jun-25	Customer Final Settlement	Inward	950,000	6,697,450.00
100	24-Jun-25	Customer Receipt INV-210099	Inward	137,000	
101	24-Jun-25	Vendor Payment RM-LTD-7912	Outward	89,000	•••
150	24-Jun-25	Statutory: PF Contribution	Outward	410,000	
151	24-Jun-25	Utility: Electricity	Outward	120,000	
170	24-Jun-25	Customer Receipt INV-210120	Inward	210,000	
200	24-Jun-25	Interest Credit (FD)	Inward	45,300	
201	24-Jun-25	GST Refund	Inward	220,000	
202	24-Jun-25	R&D Grant	Inward	500,000	
				•••	

210 24-Jun-25 Closing Balance	CLOSE	9,412,780.00
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#### **Summary:**

• Inward Transactions: 112 (Customer receipts, interest, grants, refunds)

Outward Transactions: 98 (Vendor payments, payroll, statutory, utilities, intercompany)

• Transaction Range: ₹5,000 – ₹2,100,000

Bank Statement: Pune Plant – June 25, 2025

Account Number: 2100-PL-PUNE Opening Balance: ₹9,412,780.00 Closing Balance: ₹8,960,110.00

Txn No.	Date	Ref/Description	Туре	Amount (₹)	Balance (₹)
1	25-Jun-25	Opening Balance	OPEN	, ,	9,412,780.00
2	25-Jun-25	Vendor Payment STEEL-4567	Outward	1,200,000	8,212,780.00
3	25-Jun-25	Customer Receipt ORD-210055	Inward	2,000,000	10,212,780.00
4	25-Jun-25	Statutory: ESI	Outward	180,000	10,032,780.00
5	25-Jun-25	Capex: CNC Machine	Outward	1,750,000	8,282,780.00
6	25-Jun-25	Vendor Payment CHEM-2233	Outward	320,000	7,962,780.00
7	25-Jun-25	Customer Installment #3	Inward	600,000	8,562,780.00
8	25-Jun-25	Loan EMI (IDBI Bank)	Outward	450,000	8,112,780.00
9	25-Jun-25	GST Input Tax Credit Reversal	Outward	220,000	7,892,780.00
10	25-Jun-25	Safety Equipment Vendor	Outward	95,000	7,797,780.00
100	25-Jun-25	Customer Receipt INV-210188	Inward	145,000	
101	25-Jun-25	Vendor Payment RM-LTD-7932	Outward	78,000	•••
			•••	•••	•••
150	25-Jun-25	Statutory: LWF	Outward	50,000	•••
151	25-Jun-25	IT Infrastructure Upgrade	Outward	300,000	
	•••			•••	•••
170	25-Jun-25	Customer Receipt INV-210210	Inward	210,000	•••
				•••	•••
200	25-Jun-25	TDS Adjustment (Refund)	Inward	80,000	
201	25-Jun-25	Maintenance Contract Renewal	Outward	200,000	•••
202	25-Jun-25	Technology Licensing Fee	Outward	75,000	
203	25-Jun-25	Sustainable Manufacturing Grant	Inward	500,000	•••
210	25-Jun-25	Closing Balance	CLOSE		8,960,110.00

#### **Summary:**

• **Inward Transactions:** 95 (Customer receipts, grants, refunds, export remittance)

• Outward Transactions: 115 (Vendor payments, capex, payroll, statutory, IT, maintenance, loan EMI)

• Transaction Range: ₹5,000 – ₹2,000,000

#### **Categories Covered**

- Inward: Customer payments, government grants, interest, refunds, export receipts
- Outward: Vendor payments (raw materials, machinery, services), statutory (TDS, GST, PF, ESI, LWF), payroll, utilities, intercompany, loan repayments, capex, IT, maintenance, royalties

Transaction No, Date, Reference, Description, Type, Amount (INR), Balance (INR) 1,2025-06-25,OPEN,Opening Balance,OPEN,,10000000 2,2025-06-25,CUST-INV-1001,Customer Payment - Invoice 1001,INWARD,1450000,11450000 3,2025-06-25,VEN-PAY-2001,Vendor Payment - Iron Ore,OUTWARD,650000,10800000 4,2025-06-25,CUST-ADV-1002,Customer Advance - Order 501,INWARD,800000,11600000 5,2025-06-25,VEN-PAY-2002,Vendor Payment - Coal,OUTWARD,320000,11280000 6,2025-06-25,STAT-GST-3001,GST Payment,OUTWARD,250000,11030000 7,2025-06-25,CUST-INV-1003,Customer Payment - Invoice 1003,INWARD,900000,11930000 8,2025-06-25,VEN-PAY-2003,Vendor Payment - Scrap,OUTWARD,120000,11810000 9,2025-06-25,STAT-TDS-3002,TDS Payment,OUTWARD,180000,11630000 10,2025-06-25,CUST-INV-1004,Customer Payment - Invoice 1004,INWARD,700000,12330000 11,2025-06-25,VEN-PAY-2004,Vendor Payment - Transport,OUTWARD,90000,12240000 12,2025-06-25,STAT-PF-3003,Provident Fund Payment,OUTWARD,200000,12040000 13,2025-06-25,CUST-INV-1005,Customer Payment - Invoice 1005,INWARD,800000,12840000 14,2025-06-25,VEN-PAY-2005,Vendor Payment - Maintenance,OUTWARD,95000,12745000 15,2025-06-25,STAT-ESI-3004,ESI Payment,OUTWARD,50000,12695000 16,2025-06-25,CUST-INV-1006,Customer Payment - Invoice 1006,INWARD,500000,13195000 17,2025-06-25,VEN-PAY-2006,Vendor Payment - Chemicals,OUTWARD,110000,13085000 18,2025-06-25,GRANT-7001,Government Grant Received,INWARD,150000,13235000 19,2025-06-25,VEN-PAY-2007,Vendor Payment - Security,OUTWARD,40000,13195000 20,2025-06-25,UTIL-5001,Electricity Bill Payment,OUTWARD,100000,13095000 21,2025-06-25,CUST-INV-1007,Customer Payment - Invoice 1007,INWARD,600000,13695000 22,2025-06-25,VEN-PAY-2008,Vendor Payment - IT Services,OUTWARD,80000,13615000

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23,2025-06-25,LOAN-8001,Loan Repayment,OUTWARD,250000,13365000
24,2025-06-25,REFUND-9001,Statutory Refund,INWARD,50000,13415000
25,2025-06-25,VEN-PAY-2009,Vendor Payment - Fuel,OUTWARD,70000,13345000
26,2025-06-25,INT-6001,Interest Credit,INWARD,35000,13380000
27,2025-06-25,CUST-INV-1008,Customer Payment - Invoice 1008,INWARD,400000,13780000
28,2025-06-25,VEN-PAY-2010,Vendor Payment - Scrap Disposal,OUTWARD,30000,13750000
29,2025-06-25,STAT-LWF-3005,Labor Welfare Fund,OUTWARD,20000,13730000
30,2025-06-25,VEN-PAY-2011,Vendor Payment - Tools,OUTWARD,40000,13690000
31,2025-06-25,VEN-PAY-2012,Vendor Payment - Transport,OUTWARD,50000,13640000
32,2025-06-25,ROYALTY-1001,Royalty Payment,OUTWARD,25000,13615000
33,2025-06-25,GRANT-7002,Export Incentive Received,INWARD,100000,13715000
34,2025-06-25,VEN-PAY-2013,Vendor Payment - Safety
Equipment, OUTWARD, 35000, 13680000
35,2025-06-25,VEN-PAY-2014,Vendor Payment - Cleaning
Services, OUTWARD, 15000, 13665000
36,2025-06-25,VEN-PAY-2015,Vendor Payment - Calibration,OUTWARD,10000,13655000
37,2025-06-25,CUST-INV-1009,Customer Payment - Invoice 1009,INWARD,200000,13855000
38,2025-06-25,VEN-PAY-2016,Vendor Payment - Office Supplies,OUTWARD,20000,13835000
39,2025-06-25,VEN-PAY-2017,Vendor Payment - Consultancy,OUTWARD,60000,13775000
40,2025-06-25,VEN-PAY-2018,Vendor Payment - Training,OUTWARD,30000,13745000
41,2025-06-25,VEN-PAY-2019,Vendor Payment - Insurance,OUTWARD,50000,13695000
42,2025-06-25,CUST-INV-1010,Customer Payment - Invoice 1010,INWARD,250000,13945000
43,2025-06-25,VEN-PAY-2020,Vendor Payment - Lubricants,OUTWARD,15000,13930000
44,2025-06-25,VEN-PAY-2021,Vendor Payment - Spare Parts,OUTWARD,25000,13905000
45,2025-06-25,VEN-PAY-2022,Vendor Payment - Uniforms,OUTWARD,8000,13897000
46,2025-06-25,VEN-PAY-2023,Vendor Payment - Printing,OUTWARD,5000,13892000
47,2025-06-25,VEN-PAY-2024,Vendor Payment - Courier,OUTWARD,4000,13888000
48,2025-06-25,VEN-PAY-2025,Vendor Payment - Pest Control,OUTWARD,3000,13885000
49,2025-06-25,VEN-PAY-2026,Vendor Payment - Canteen,OUTWARD,20000,13865000
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Transaction No, Date, Reference, Description, Type, Amount (INR), Balance (INR) 1,2025-06-25,OPEN,Opening Balance,OPEN,,10000000 2,2025-06-25,CUST-INV-1001,Customer Payment - Invoice 1001,INWARD,1532000,11532000 3,2025-06-25,VEN-PAY-2001,Vendor Payment - Raw Materials,OUTWARD,724000,10808000 4,2025-06-25,CUST-ADV-1002,Customer Advance,INWARD,845000,11653000 5,2025-06-25,VEN-PAY-2002,Vendor Payment - Spares,OUTWARD,132000,11521000 6,2025-06-25,STAT-GST-3001,GST Payment,OUTWARD,258000,11263000 7,2025-06-25,CUST-INV-1003,Customer Payment - Invoice 1003,INWARD,974000,12237000 8,2025-06-25, VEN-PAY-2003, Vendor Payment - Logistics, OUTWARD, 51000, 12186000 9,2025-06-25,STAT-TDS-3002,TDS Payment,OUTWARD,185000,12001000 10,2025-06-25,CUST-INV-1004,Customer Payment - Invoice 1004,INWARD,701000,12702000 11,2025-06-25,VEN-PAY-2004,Vendor Payment - Packaging,OUTWARD,61000,12641000 12,2025-06-25,STAT-PF-3003,Provident Fund Payment,OUTWARD,203000,12438000 13,2025-06-25,CUST-INV-1005,Customer Payment - Invoice 1005,INWARD,963000,13301000 14,2025-06-25,VEN-PAY-2005,Vendor Payment - Maintenance,OUTWARD,92000,13209000 15,2025-06-25,STAT-ESI-3004,ESI Payment,OUTWARD,51000,13158000 16,2025-06-25,CUST-INV-1006,Customer Payment - Invoice 1006,INWARD,410000,13568000 17,2025-06-25,VEN-PAY-2006,Vendor Payment - Chemicals,OUTWARD,111000,13457000 18,2025-06-25,GRANT-7001,Government Grant Received,INWARD,210000,13667000 19,2025-06-25,VEN-PAY-2007,Vendor Payment - Security,OUTWARD,41000,13626000 20,2025-06-25,UTIL-5001,Electricity Bill Payment,OUTWARD,101000,13525000

Transaction No,Date,Reference,Description,Type,Amount (INR),Balance (INR)

1,2025-06-25,OPEN,Opening Balance,OPEN,,10000000

2,2025-06-25,CUST-INV-1001,Customer Payment - Invoice 1001,INWARD,1500000,11500000

3,2025-06-25,VEN-PAY-2001,Vendor Payment - Raw Materials,OUTWARD,700000,10800000

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4,2025-06-25,STAT-GST-3001,GST Payment,OUTWARD,250000,10550000
5,2025-06-25,EMP-PAY-4001,Payroll Disbursement,OUTWARD,900000,9650000
6,2025-06-25,CUST-ADV-1002,Customer Advance,INWARD,800000,10450000
7,2025-06-25,VEN-PAY-2002,Vendor Payment - Spares,OUTWARD,120000,10330000
8,2025-06-25,STAT-TDS-3002,TDS Payment,OUTWARD,180000,10150000
9,2025-06-25,UTIL-5001,Electricity Bill Payment,OUTWARD,100000,10050000
10,2025-06-25,INT-6001,Interest Credit,INWARD,35000,10085000
11,2025-06-25,VEN-PAY-2003,Vendor Payment - Logistics,OUTWARD,50000,10035000
12,2025-06-25,STAT-PF-3003,Provident Fund Payment,OUTWARD,200000,9835000
13,2025-06-25,CUST-INV-1003,Customer Payment - Invoice 1003,INWARD,950000,10785000
14,2025-06-25,VEN-PAY-2004,Vendor Payment - Packaging,OUTWARD,60000,10725000
15,2025-06-25,STAT-ESI-3004,ESI Payment,OUTWARD,50000,10675000
16,2025-06-25,VEN-PAY-2005,Vendor Payment - Maintenance,OUTWARD,90000,10585000
17,2025-06-25,CUST-INV-1004,Customer Payment - Invoice 1004,INWARD,700000,11285000
18,2025-06-25,VEN-PAY-2006,Vendor Payment - Chemicals,OUTWARD,110000,11175000
19,2025-06-25,GRANT-7001,Government Grant Received,INWARD,200000,11375000
20,2025-06-25,VEN-PAY-2007,Vendor Payment - Security,OUTWARD,40000,11335000
21,2025-06-25,UTIL-5002,Water Bill Payment,OUTWARD,30000,11305000
22,2025-06-25,VEN-PAY-2008,Vendor Payment - IT Services,OUTWARD,80000,11225000
23,2025-06-25,LOAN-8001,Loan Repayment,OUTWARD,250000,10975000
24,2025-06-25,REFUND-9001,Statutory Refund,INWARD,50000,11025000
25,2025-06-25,VEN-PAY-2009,Vendor Payment - Fuel,OUTWARD,70000,10955000
26,2025-06-25,INT-6002,Interest Credit,INWARD,12000,10967000
27,2025-06-25,CUST-INV-1005,Customer Payment - Invoice 1005,INWARD,600000,11567000
28,2025-06-25,VEN-PAY-2010,Vendor Payment - Scrap Disposal,OUTWARD,30000,11537000
29,2025-06-25,STAT-LWF-3005,Labor Welfare Fund,OUTWARD,20000,11517000
30,2025-06-25,VEN-PAY-2011,Vendor Payment - Tools,OUTWARD,40000,11477000
31,2025-06-25,VEN-PAY-2012,Vendor Payment - Transport,OUTWARD,50000,11427000
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32,2025-06-25,ROYALTY-1001,Royalty Payment,OUTWARD,25000,11402000

33,2025-06-25,GRANT-7002,Export Incentive Received,INWARD,100000,11502000

34,2025-06-25,VEN-PAY-2013,Vendor Payment - Safety

Equipment, OUTWARD, 35000, 11467000

35,2025-06-25,VEN-PAY-2014,Vendor Payment - Cleaning

Services, OUTWARD, 15000, 11452000

36,2025-06-25,VEN-PAY-2015,Vendor Payment - Calibration,OUTWARD,10000,11442000

37,2025-06-25,CUST-INV-1006,Customer Payment - Invoice 1006,INWARD,400000,11842000

38,2025-06-25,VEN-PAY-2016,Vendor Payment - Office Supplies,OUTWARD,20000,11822000

39,2025-06-25,VEN-PAY-2017,Vendor Payment - Consultancy,OUTWARD,60000,11762000

40,2025-06-25,VEN-PAY-2018,Vendor Payment - Training,OUTWARD,30000,11732000

41,2025-06-25,VEN-PAY-2019,Vendor Payment - Insurance,OUTWARD,50000,11682000

42,2025-06-25,CUST-INV-1007,Customer Payment - Invoice 1007,INWARD,250000,11932000

43,2025-06-25,VEN-PAY-2020,Vendor Payment - Lubricants,OUTWARD,15000,11917000

44,2025-06-25,VEN-PAY-2021,Vendor Payment - Spare Parts,OUTWARD,25000,11892000

45,2025-06-25,VEN-PAY-2022,Vendor Payment - Uniforms,OUTWARD,8000,11884000

46,2025-06-25,VEN-PAY-2023,Vendor Payment - Printing,OUTWARD,5000,11879000

47,2025-06-25,VEN-PAY-2024,Vendor Payment - Courier,OUTWARD,4000,11875000

48,2025-06-25,VEN-PAY-2025,Vendor Payment - Pest Control,OUTWARD,3000,11872000

49,2025-06-25,VEN-PAY-2026,Vendor Payment - Canteen,OUTWARD,20000,11852000

50,2025-06-25,CLOSE,Closing Balance,CLOSE,,11852000