User Manual

Investment Management

ElectroSteel Steels Limited

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Table of Contents

1. Investment Management

1.1. Create Investment Program definition

SAP Menu	SAP > Accounting → Investment Management → Programs → Investment Program Definition →Create
Transaction Code	**IM01**

An investment program represents the planned or budgeted costs for the capital investments (or other projects) of an enterprise or corporate group in the form of a hierarchical structure. You can define the hierarchical structure in any form that suits your needs. It is not dependent on organizational units in the SAP System (such as, business areas, plants, and so on). You could structure the hierarchy to agree with the organizational plan of your enterprise, for example. Or you could base the structure on the size of the investment measures assigned to it.

1.2. Investment Program Position

IMG Menu	SAP > Accounting → Investment Management → Programs → Investment Program Position →Create Top Position
Transaction Code	**IM11**

In this step you create the top position for the program structure to form a horizontal tree diagram.

You have to assign the top positions of a program to a controlling area. The system then automatically copies this controlling area to all subordinate positions. In this way, it is guaranteed that a sub-tree of an investment program always belongs to a given controlling area.

SAP Easy Access

- Favorites
- SAP Menu
  - Connector for Multi-Bank Connectivity
  - Office
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    - Financial Accounting
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    - Investment Management
      - Appropriation Requests
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        - Master Data
          - Investment Program Structure
          - Enterprise Organization
          - Investment Program Definition
          - Investment Program Position
            - IM11 - Create Top Position

Inv.prog.position   Edit   Goto   Settings   Extra

Create Inv. Program Positon

Inv.program	ESLANP0
Position ID	ESL Annual plan 0 -2019
Approval year	2019

Reference

Inv.program	
Position ID	
Approval year	

Select Inv. Program from dropdown (f4) select approval year 2019 and Type New Position ID and press Enter button

## 1.3. Change Investment Program Structure:

IMG Menu	SAP > Accounting → Investment Management → Programs → Investment Program Structure →Change
Transaction Code	IM22

In this step you create or change the tree diagram, you can also directly define the corresponding program positions and assign them to the desired position in the hierarchy

The program positions that do not have any subordinate positions assigned to them in the hierarchy are called end nodes The individual measures of the investment program can be assigned to these positions. At the present time, you can assign internal orders to investment programs as measures

Select Inv. Program from ,Top position and Approval year
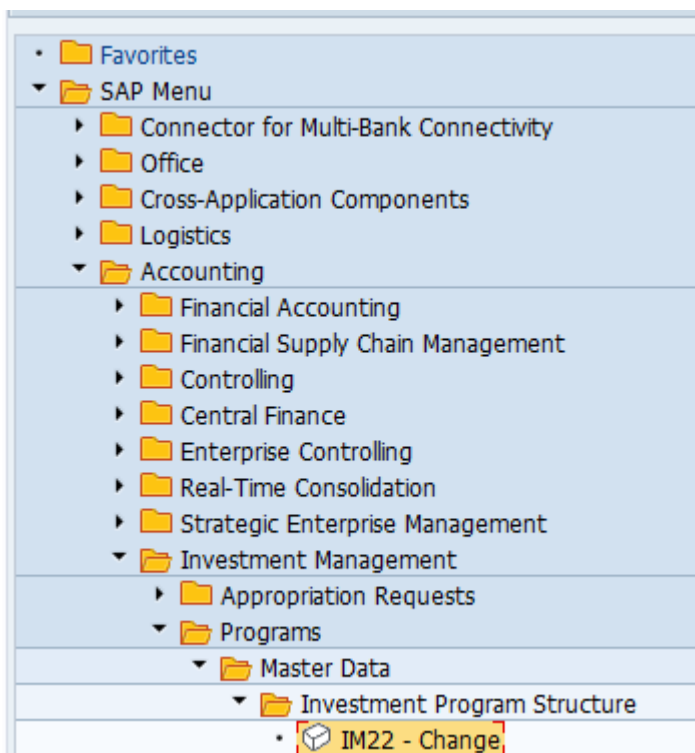
Select Top level Inv. Program position id and create new and Type New position id under Top level position id, Select check button and copy button.

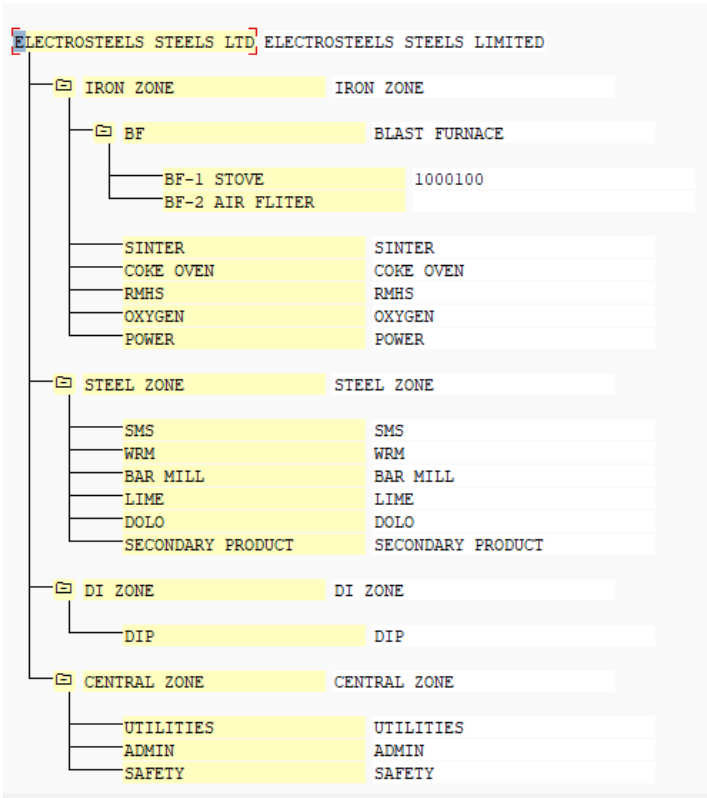For Heading in structure select 2 in role in hierarchy otherwise keep it blank. Select Company Code 1000.

ESD(1)/200 Create Inv. Program Positions

⦿ Subordinate   to.. Position ID   S4HANA

◯ Arr. equally   Inv.program   ESLANP0

                       Approval year   2019

Fast entry

Position ID	Name	IR	Pr.	Scale	Respons.
FINANCE	Finance				

✔ Check   ✔ Copy   ✖ Cancel


```
ELECTROSTEELS STEELS LTD   ELECTROSTEELS STEELS LIMITED
    📂 IRON ZONE              IRON ZONE
        📂 BF                 BLAST FURNACE
            BF-1 STOVE              1000100
            BF-2 AIR FLITER
        SINTER               SINTER
        COKE OVEN            COKE OVEN
        RMHS                 RMHS
        OXYGEN               OXYGEN
        POWER                POWER
    📂 STEEL ZONE            STEEL ZONE
        SMS                  SMS
        WRM                  WRM
        BAR MILL             BAR MILL
        LIME                 LIME
        DOLO                 DOLO
        SECONDARY PRODUCT    SECONDARY PRODUCT
    📂 DI ZONE               DI ZONE
        DIP                  DIP
    📂 CENTRAL ZONE          CENTRAL ZONE
        UTILITIES            UTILITIES
        ADMIN                ADMIN
        SAFETY               SAFETY
```

These lower nodes are called Position IDs. The budgeting activity takes place against these position IDs.

1.4. Change Original Program Budget:

IMG Menu	SAP > Accounting → Investment Management → Programs → Budgeting →Edit Original
Transaction Code	IM32

In this step you can plan the years that are likely to be needed to realize a project before the distribution of the overall budget.

Click on Position ID and Assign approved original budget for the year against each position ID.
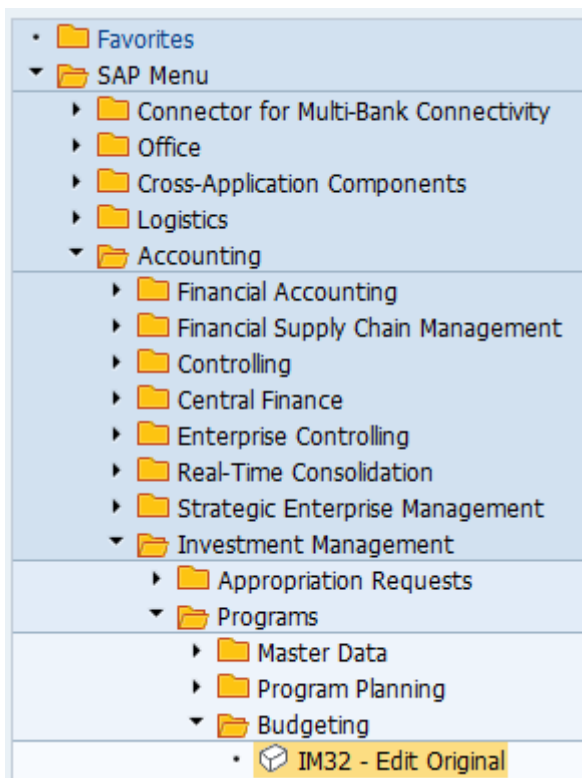
Change Original Program Budget: Initial Screen

Investment program   ESLANP0

Position ID   ESL ANNUAL PLAN 0 -2019   ☐ With Path

Approval year   2019

To-hierarchy level

Currency

Change Original Program Budget: Item Overview

🔲 📝 📈 Annual Overview

Inv.program   ESLANP0 / 2019   ESL Annual plan 0 -2019
Approval Period   Current
Period   0 Overall ▾ ◀ ▶

Overall values

	Lev Program item	Budget	Tr...	Current bud...	Distributed	Distributable	Planned total...	Cumulative	Remainder	Carryforward
	1 ESL ANNUAL PLAN ...	4,000,000	INR	4,000,030	4,000,030				4,000,030	
	2 FINANCE	4,000,000	INR	4,000,030	4,000,030				4,000,030	
	3 S4HANA	4,000,000	INR	4,000,030	4,000,020	10			4,000,030	
	4 HARDWARE COST	2,000,000	INR	2,000,000	2,000,000				2,000,000	
	4 IMPLEMENTATIO...	1,000,000	INR	1,000,010		1,000,010			1,000,010	
	4 LICENSE COST	1,000,000	INR	1,000,010		1,000,010			1,000,010	

Change Original Program Budget: Item Overview

🔲 📝 📈 Annual Overview

Inv.program   ESLANP0 / 2019   ESL Annual plan 0 -2019
Approval Period   Current
Period   2019 ▾ ◀ ▶

Annual Values

	Lev Program item	Budget	Tr...	Current bud...	Distributed	Distributable	Planned total...	Previous year	Cumulative	Remainder	Carryforward
	1 ESL ANNUAL PLAN ...	4,000,000	INR	4,000,000	4,000,000				4,000,000	30	
	2 FINANCE	4,000,000	INR	4,000,000	4,000,000				4,000,000	30	
	3 S4HANA	4,000,000	INR	4,000,000	4,000,000				4,000,000	30	
	4 HARDWARE COST	2,000,000	INR	2,000,000		2,000,000			2,000,000		
	4 IMPLEMENTATIO...	1,000,000	INR	1,000,000		1,000,000			1,000,000	10	
	4 LICENSE COST	1,000,000	INR	1,000,000		1,000,000			1,000,000	10	

1.5. Create Appropriation Request

IMG Menu	SAP > Accounting → Investment Management → Appropriation Request → Individual Processing
Transaction Code	**IMA11**

An appropriation request is an idea or wish for carrying out a measure (such as, an investment or research and development), which has to be individually assessed and approved by one or more positions within an enterprise, primarily because of the high costs involved. Just like measures, appropriation requests represent concrete plans that are to be implemented in an enterprise.
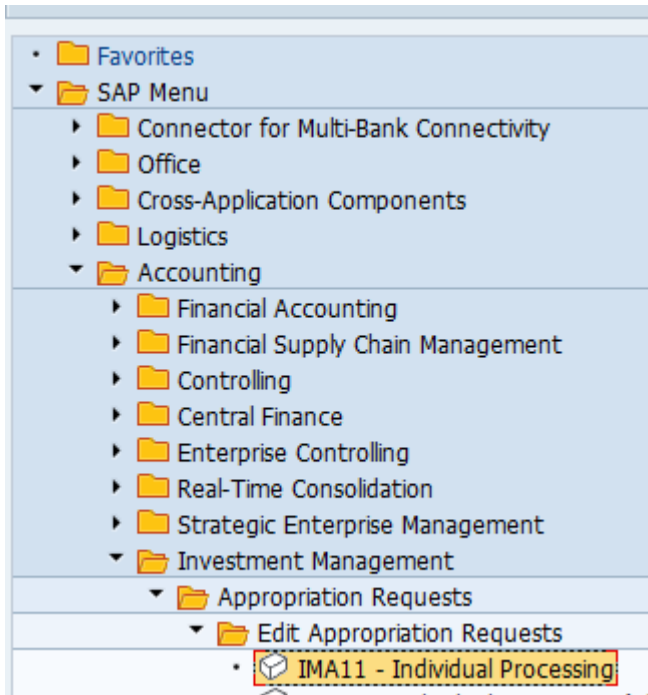
Click on Create Button.

Select appropriation request type based on the approval matrix:
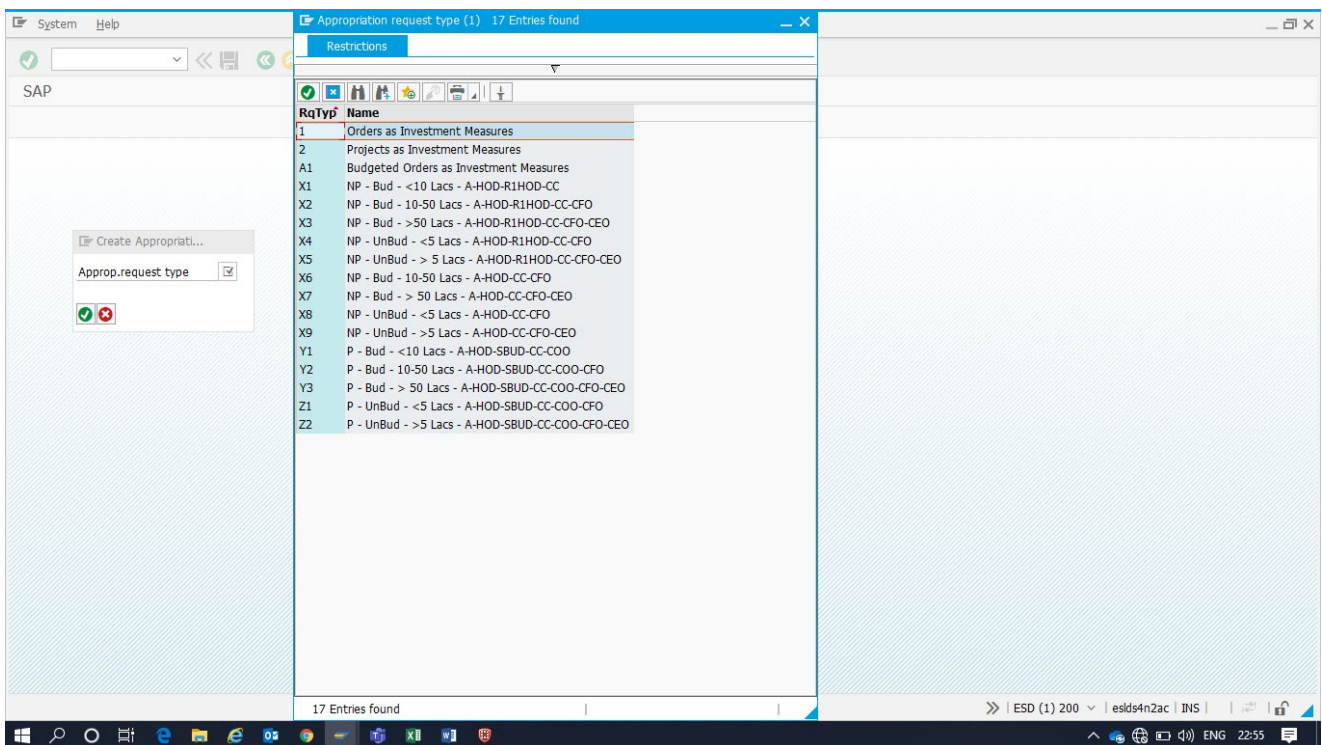
Select controlling area.

Enter Name of the appropriation Request.

Note: Name of the appropriation Request will be used by system to Create CWIP Asset Description and Internal Order Description.

Enter Applicant and approver user id in the partner.

Select Investment Program and Position Id

Select Cost Center

Note: Cost Center will be used in Asset and profit center will be taken over by system in Internal order.

Select User fields, Select Startup Date, Completion Date

Go to variant tab and create new variant named "Z01":

Enter payback period, planned values and other relevant data:

Create Appropriation Request:

Worklist off

- ▶ Program approval year 2019
- ▼ Program approval year 2018
  - · 000 Plan/actual version ---
- ▼ Not assigned to any version
  - · Z1 Variant   CRTD

App. req.	Name	Status	S
100006	test	FAPP	
100007	test	FAPP	
100008	test	FAPP	
100009	test	FAPP	

General data | Plan versions | Plan values | Preinv.analysis | Documents | Deprec. data

Recalculate preinvestment Variant Z1

Int. rate of return		in %
Payback period		in years
Net present value		INR
Disc. cash flow rate		

Preinv.analysis ref.   Calculate preinvestmt analysis figures

---

Create Appropriation Request:

Worklist off

- ▶ Program approval year 2019
- ▼ Program approval year 2018
  - · 000 Plan/actual version ---
- ▼ Not assigned to any version
  - · Z1 Variant   CRTD

App. req.	Name	Status	S
100006	test	FAPP	
100007	test	FAPP	
100008	test	FAPP	
100009	test	FAPP	

General data | Plan versions | Plan values | Preinv.analysis | Documents | Deprec. data

Plan values on the variant Z1

Period	Investment costs	Overhead costs	Combined costs	Revenue
Overall	50000		0.00	
2018			0.00	
2019	50000		0.00	
2020			0.00	
2021			0.00	
2022			0.00	
2023			0.00	
Total	0.00	0.00	0.00	

Currncy INR   1

Save the Appropriation Request by pressing save button.

Edit the Appropriation Request and click on For Approval then save the Appropriation

1.6. Add Attachment to Appropriation Request

IMG Menu	SAP > Accounting → Investment Management → Appropriation Request → Individual Processing
Transaction Code	**IMA11**

Payback Calculation and other Attachment can be made to appropriation request as mentioned below
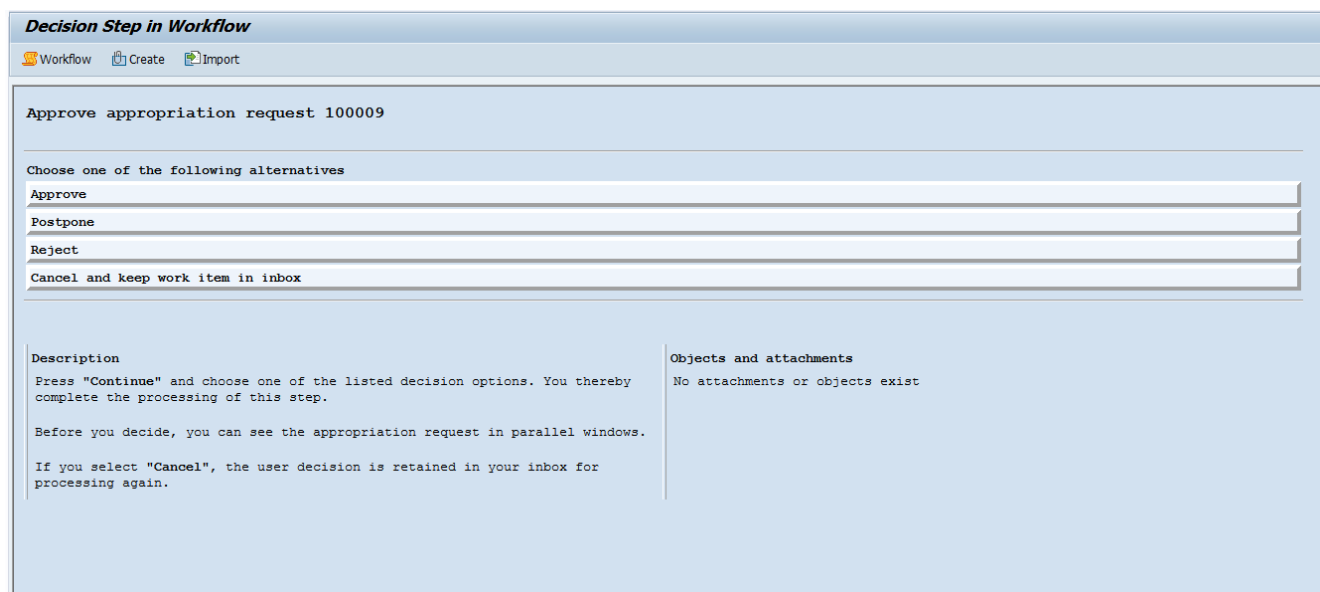
1.7. Approve Appropriation Request
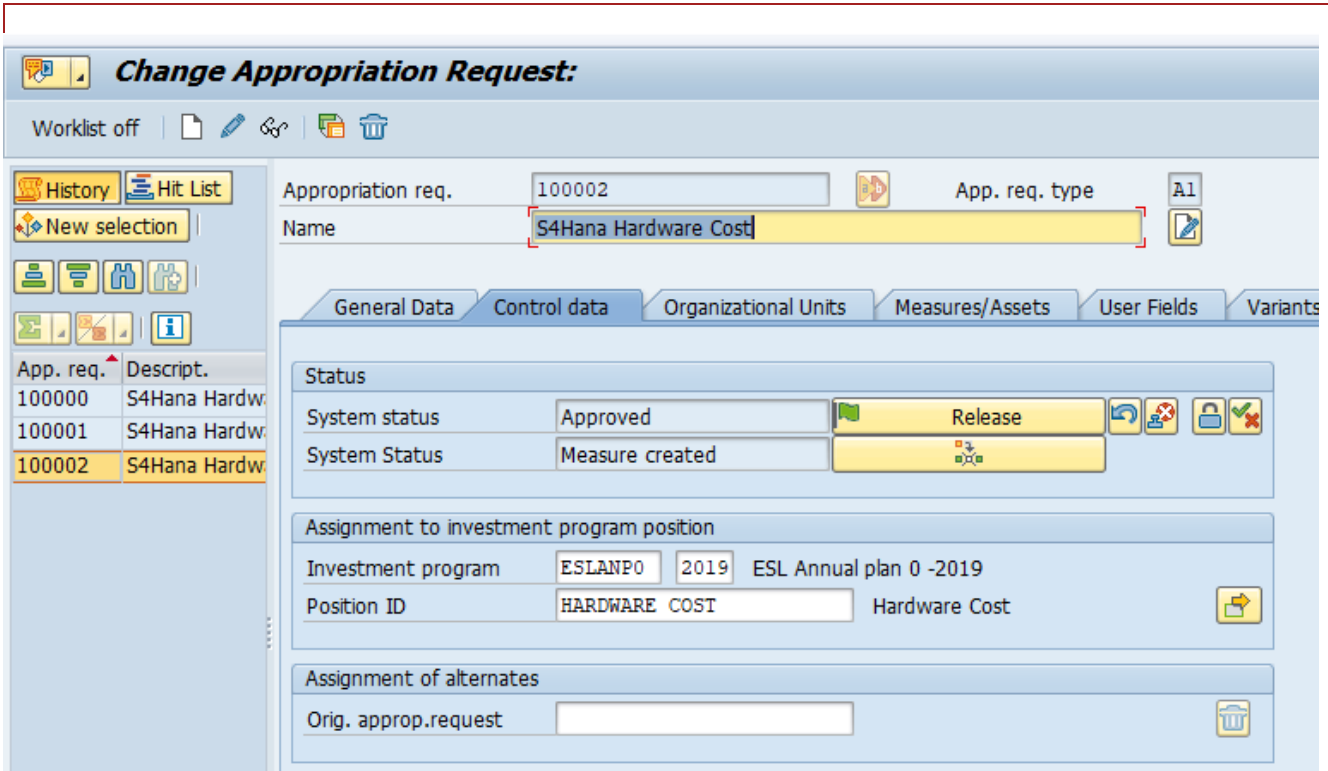
IMG Menu	SAP > SAP Business Workplace
Transaction Code	SBWP

Open Workplace and approve the Request
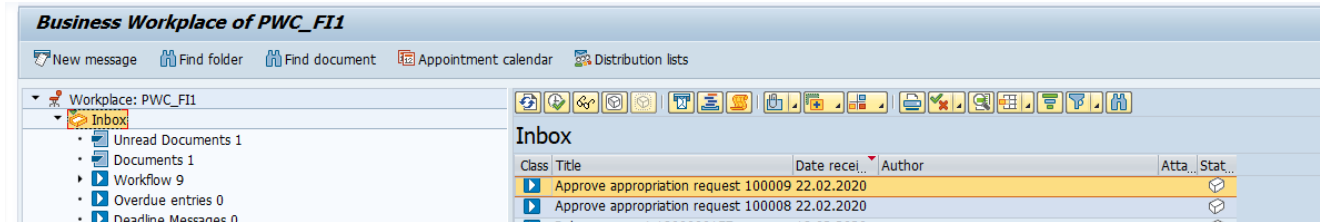
With the screen below SAP open the appropriation request so that user can check it before approving. User click back button to come to below screen.
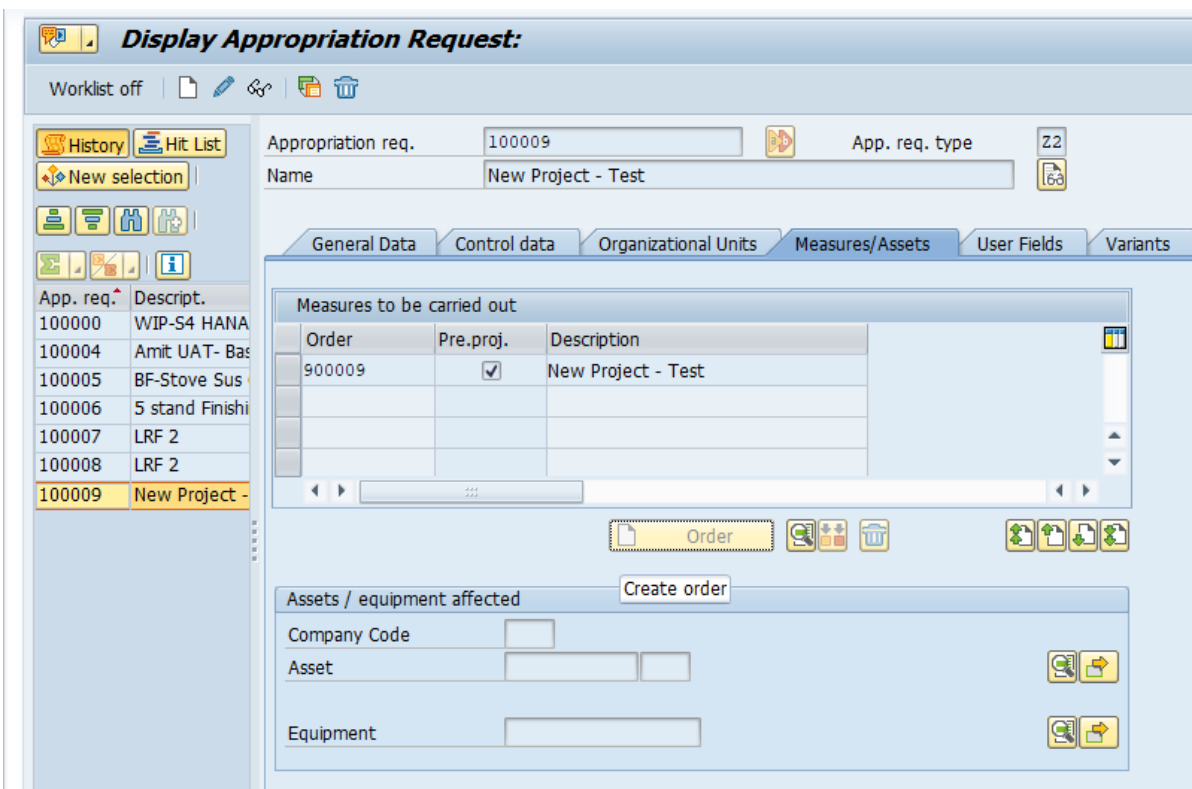
1.8. Create Internal Order

IMG Menu	SAP > Accounting → Investment Management → Appropriation Request → Individual Processing
Transaction Code	**IMA11**

Once Approved , Edit Appropriation Request and go to Measures/Asset Tab. Press Create Order Button. Select Z001 as Internal Order Type. Press enter and Save

1.9. *Display Internal Order*

IMG Menu	SAP > Accounting→ Investment Management→ Internal Orders→ Master Data→ Special Functions→ Order→ Display
Transaction Code	**KO03**

Display Internal Order: Master data

Settlement Rule

Order	900000	Order type	Z001	Sustaing CAPEX Order
Description	54Hana Hardware Cost			

Assignments | Control data | Prd-end closing | General data | Investments

Assignments

Controlling Area	1000	Electrosteel Steels Ltd.
Company Code	1000	Electrosteel Steels Ltd.
Business Area		
Plant		
Functional Area		
Object Class	INVST Investment	
Profit Center	101000	Blast Furnace
Responsible CCtr	10110100	Blast Furnace 1 - Operation
User Responsible		
Requesting CCtr	10110100	Blast Furnace 1 - Operation
Requesting Co.Code	1000	Electrosteel Steels Ltd.
Requesting order		
Sales Order		0
Location/Plant		/
External order no.		

Go to Menu-> Extra-> Asset Under Construction.

Order   Edit   Goto   Extras   Environment   System   Help

Valuation Data
Classification
Asset under Construction
Create Completed Asset
RE Object
Cost Analysis
Costing   ▶
Order Balance...
Business Transactions Allowed...   Shift+F7

Display Int

Settlement Rule

Order   900000   CAPEX Order
Description   S4Hana

Assignments   Contr   tments

Assignments

Controlling Area	1000	Electrosteel Steels Ltd.
Company Code	1000	Electrosteel Steels Ltd.
Business Area		
Plant		
Functional Area		
Object Class	INVST Investment	
Profit Center	101000	Blast Furnace
Responsible CCtr	10110100	Blast Furnace 1 - Operation
User Responsible		
Requesting CCtr	10110100	Blast Furnace 1 - Operation
Requesting Co.Code	1000	Electrosteel Steels Ltd.
Requesting order		
Sales Order		0
Location/Plant		/
External order no.		

1.10. *Allocate Original Budget to Investment Measure*

IMG Menu	SAP > Accounting →Investment Management →Budgeting → Budget Distribution → Edit
Transaction Code	**IM52**

The main purpose is to control how closely the budget at Internal Order level is tied to the assignable budget at the investment program level.
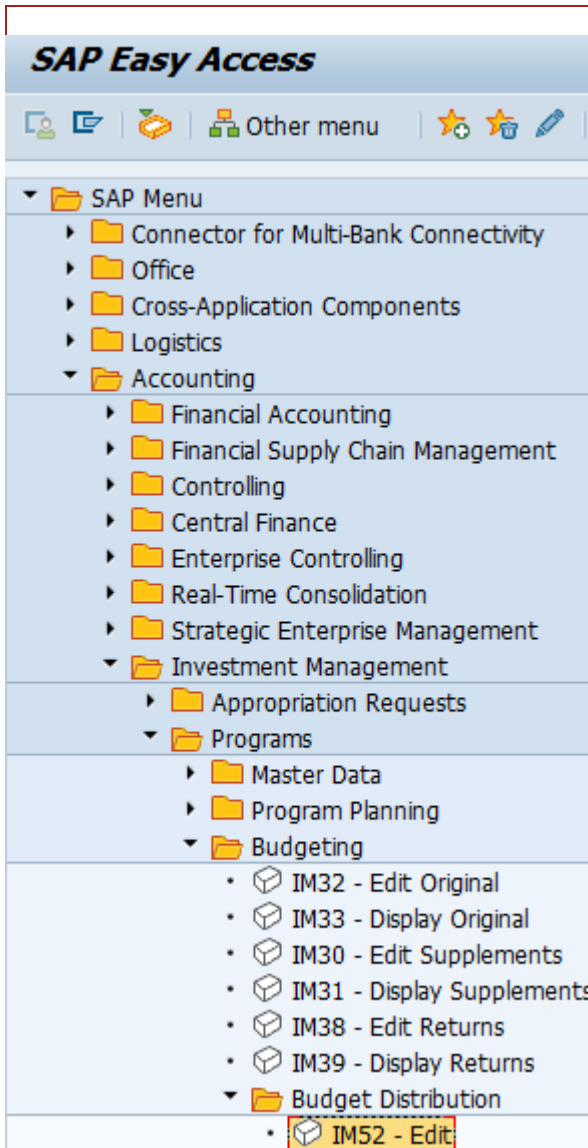
Select relevant Investment program, Position id and approval year, Select Original Radio button to provide budget and save.

1.11. Actual Posting to Order

IMG Menu	SAP > Accounting→ Financial Accounting→ Account Payable→ Document Entry → Invoice
Transaction Code	**FB60**
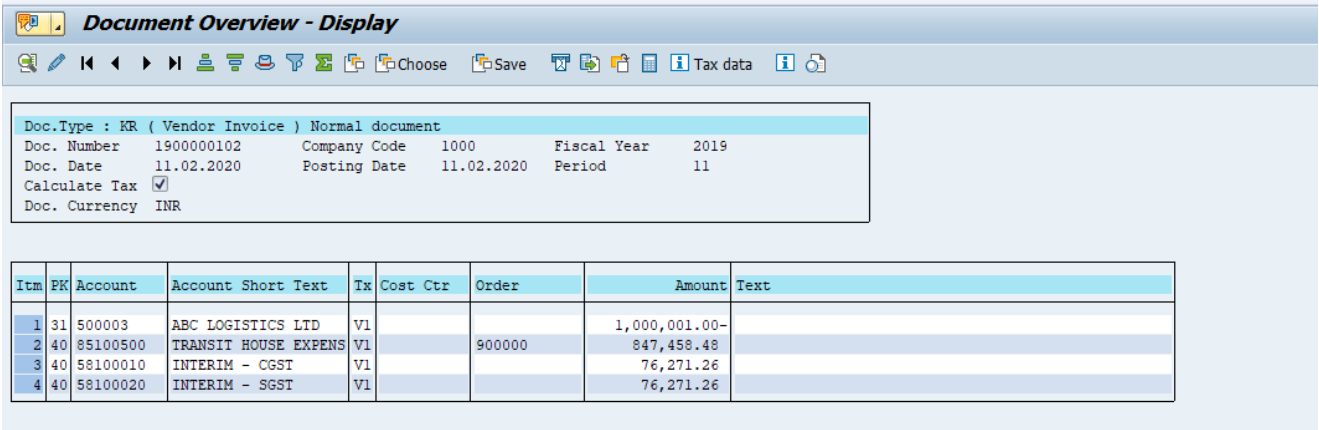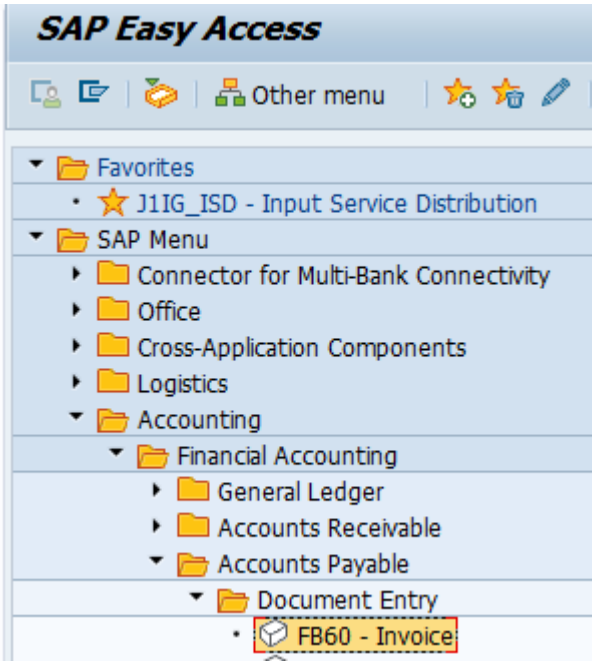
Using the order Purchase requisition and Purchase order will be posted(P2P) w.e.f. commitments and actual posting would be created.

1.12. Settlement of Order to CWIP Asset

IMG Menu	SAP > Accounting→ Controlling→ internal Order→ Period end Closing → Single Function→ Settlement Individual →Processing
Transaction Code	KO88

In this step we are settling all the cost posted into internal order to CWIP Asset.

SAP Easy Access

- ▼ 📁 Accounting
  - ▶ 📁 Financial Accounting
  - ▶ 📁 Financial Supply Chain Management
  - ▼ 📁 Controlling
    - ▶ 📁 Cost Element Accounting
    - ▶ 📁 Cost Center Accounting
    - ▼ 📁 Internal Orders
      - ▶ 📁 Master Data
      - ▶ 📁 Planning
      - ▶ 📁 Budgeting
      - ▶ 📁 Actual Postings
      - ▼ 📁 Period-End Closing
        - • ⬡ SCMA - Schedule Manager
        - ▼ 📁 Single Functions
          - • ⬡ KSW5 - Periodic Reposting
          - ▶ 📁 Template Allocation
          - ▶ 📁 Revaluation at Actual Prices
          - ▶ 📁 Overhead Rates
          - ▶ 📁 Interest Calculation
          - ▶ 📁 Results Analysis
          - ▼ 📁 Settlement
            - • ⬡ KO88 - Individual Processing

Display Document: Data Entry View

Display Currency   General Ledger View   Asset Accounting

Data Entry View

Document Number	100000089	Company Code	1000	Fiscal Year	2019
Document Date	12.02.2020	Posting Date	29.02.2020	Period	11
Reference		Cross-Comp.No.			
Currency	INR	Texts Exist	☐	Ledger Group	0L

Co...	Itm	PK	S	Account	Description	Amount	Curr.	Tx
1000	1	50		85100500	TRANSIT HOUSE EXPENS	915,255.10-	INR	
	2	70		42100030	830000100001 0000	915,255.10	INR	

Overview of Asset Accounting Documents

Acct Doc. | Originals | Display purchase order | Note

Asset | 830000100001 | S4Hana Hardware Cost
Company code | 1000 | Electrosteel Steels Ltd.

01 Book deprec. / INR / Ledger Grp 0L

	AstValDt	Amount Posted	TTy	Trans. Type Text	Text	Ord. Dep.
	29.02.2020	915,255.10	116	Acquisition - internal settlement to A...	ORD 900000	

Display Actual Cost Documents

Document | Master Record

Layout | 1SAP | Primary cost posting
COarea currency | INR | INR
Valuation View/Group | 0 | Legal Valuation

DocumentNo Doc. Date Document Header Text		RT RefDocNo User Name Rev RvD	
PRw OTy Object	CO Object Name	Cost Elem. Cost element name	Val/COArea Crcy	Total quantity PUM O OffsetAcct

A000000H900 12.02.2020 | | R 20 PWC_FI1 | |
1 ORD 900000 | S4Hana Hardware Cost | 85100500 TRANSIT HOUSE EXPENS | 915,255.10- | A 42100030

1.13. Check AUC Settlement of Order

IMG Menu	SAP > Accounting→ Investment Management→ Internal Orders→ Master Data→ Special Functions→ Order→ Change
Transaction Code	**KO02**

Below Settlement Rule is maintained by the system after settlement.

Note: Settlement Rule AUC can not be maintained manually.

Maintain Settlement Rule: Overview

Plan settlement

Order | 900000 | S4Hana Hardware Cost
Actual settlement

Default distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence No.	Se...	No.	S...	Fro...	From...	To ...	To Fi...	First Used	Last Used
FXA	830000100001-0	S4Hana Hardware Cost	100.00	0	AUC	1		0		0		011.2019	011.2019

1.14. Create Main Asset

IMG Menu	SAP > Accounting→ Financial Accounting→ Fixed Asset→ Asset→ Create
Transaction Code	**AS01**

In this step we are creating Main asset. Cost from WIP to Main Asset will be settled into this main asset.

1.15. Distribution Rule Creation

IMG Menu	
Transaction Code	**KOB5**

In this Step we select the line item of expense and specify in which main asset it should be settled.

Press Final Settlement and maintain the main asset.

1.16. Line Item Settlement of CWIP Asset to Main Asset

IMG Menu	SAP > Accounting→ Controlling→ internal Order→ Period end Closing → Single Function→ Settlement Individual →Processing
Transaction Code	**KO88**

In this step we settle cost from CWIP to Main Asset.

1.17. Supplement Program Budget:

IMG Menu	SAP > Accounting → Investment Management → Programs → Budgeting →Edit Supplement
Transaction Code	IM30

This is used to give supplement to position without changing original budget. Any Additional budget can be captured here.

Click on Position ID and Assign approved supplement budget for the year against each position ID.

1.18. Allocate Supplement Budget to Investment Measure

IMG Menu	SAP > Accounting →Investment Management →Budgeting → Budget Distribution → Edit
Transaction Code	IM52

After supplement budget is defined in the program. An appropriation request is required to approve budget supplement then this supplement is distributed to internal order.

Select relevant Investment program, Position id and approval year, Select Supplement Radio button to provide budget and save.

Sensitivity: Confidential (C2)

Change Budget Distribution Supplement: Item Overview

Inv.program   ESLANP0 / 2019   ESL Annual plan 0 -2019
Approval Period   Current
Period   0 Overall

Overall values

	Lev Program item	Supplement	Tr...	Current bud...	Distributed	Distributable	Cumulative	Remainder	Carryforward	CO...
	1 HARDWARE COST		INR	2,000,000	2,000,000		2,000,000			INR
	2 900000		10 INR	2,000,000		2,000,000		2,000,000		INR

1.19. Allocate Return Budget to Investment Measure

IMG Menu	SAP > Accounting →Investment Management →Budgeting → Budget Distribution → Edit
Transaction Code	IM52

In this step we return any additional budget from program position without changing original budget.

Select relevant Investment program, Position id and approval year, Select Return Radio button to provide budget and save.

1.20. Budget Return

IMG Menu	SAP > Accounting →Investment Management →Programs →Budgeting →Edit Returns
Transaction Code	IM38

After budget return is defined in the program this budget return is reduced from internal order.
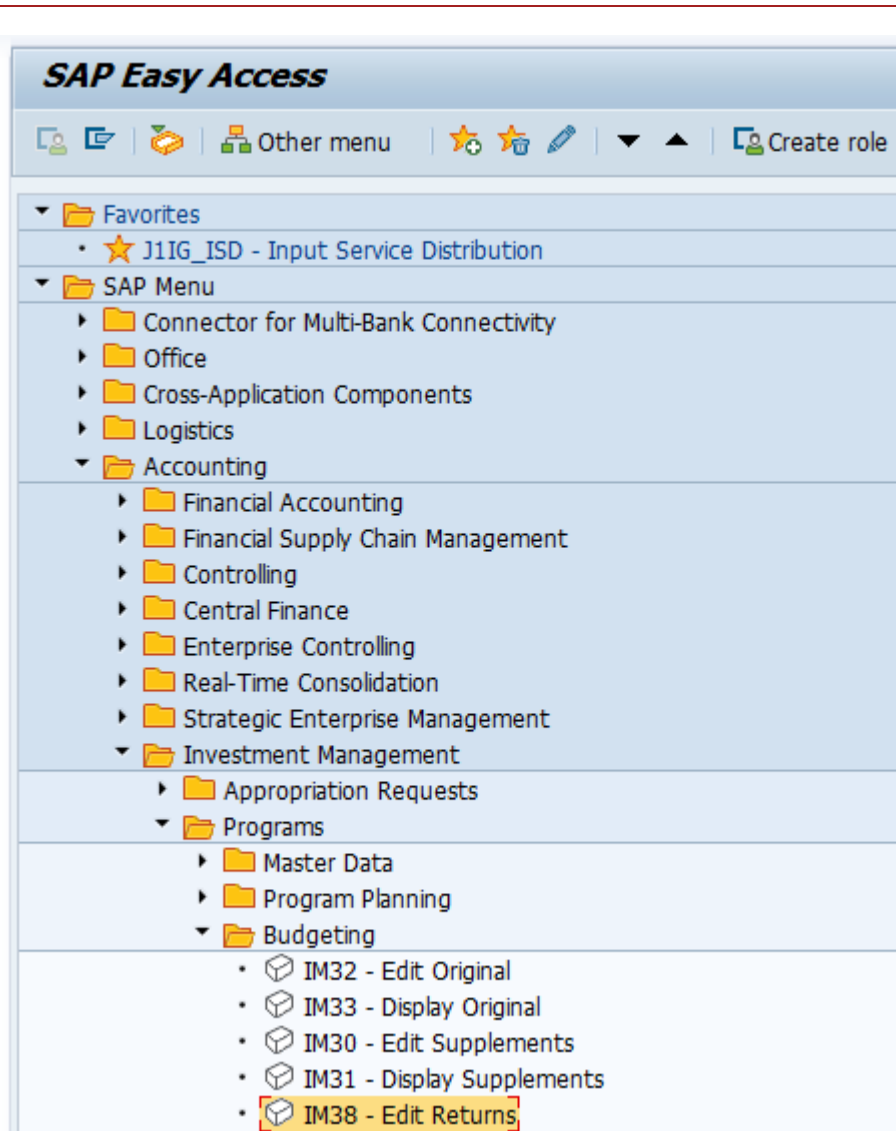
Select relevant Investment program, Position id and approval year, Provide Return budget and save.

1.21. *Commitment Carry Forward of order*

IMG Menu	SAP > Accounting →Controlling →Internal Orders →Year End Closing →Commitment Carry Forward
Transaction Code	**KOCF**

This is used in year dependent budget and used to carry forward commitment created by purchase requisition/ purchase order to internal order to another year.
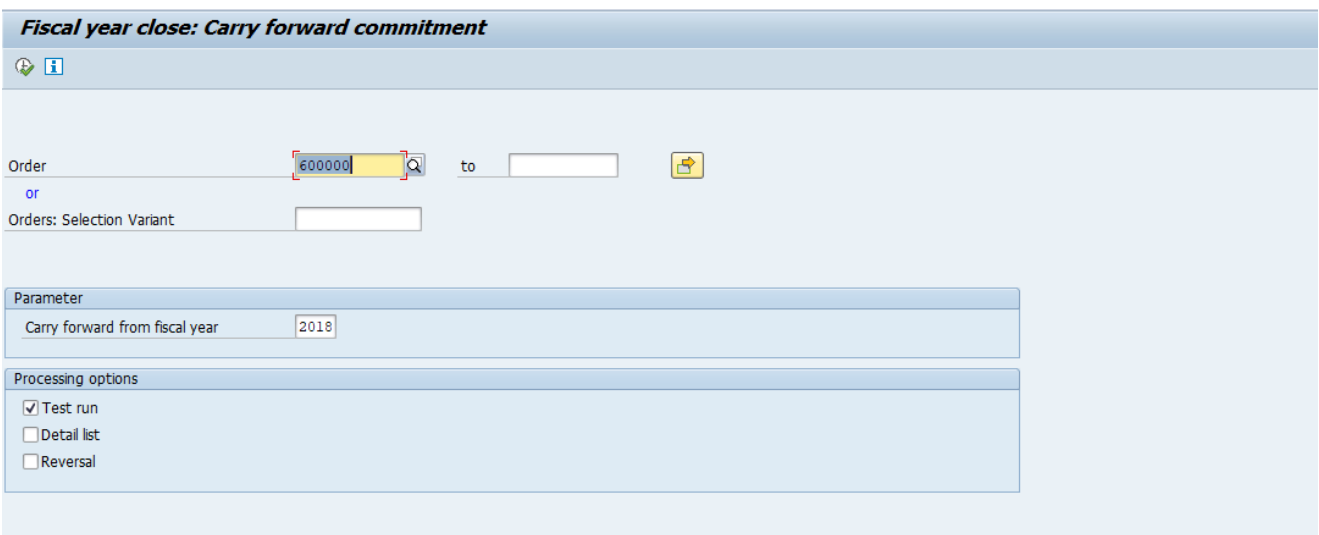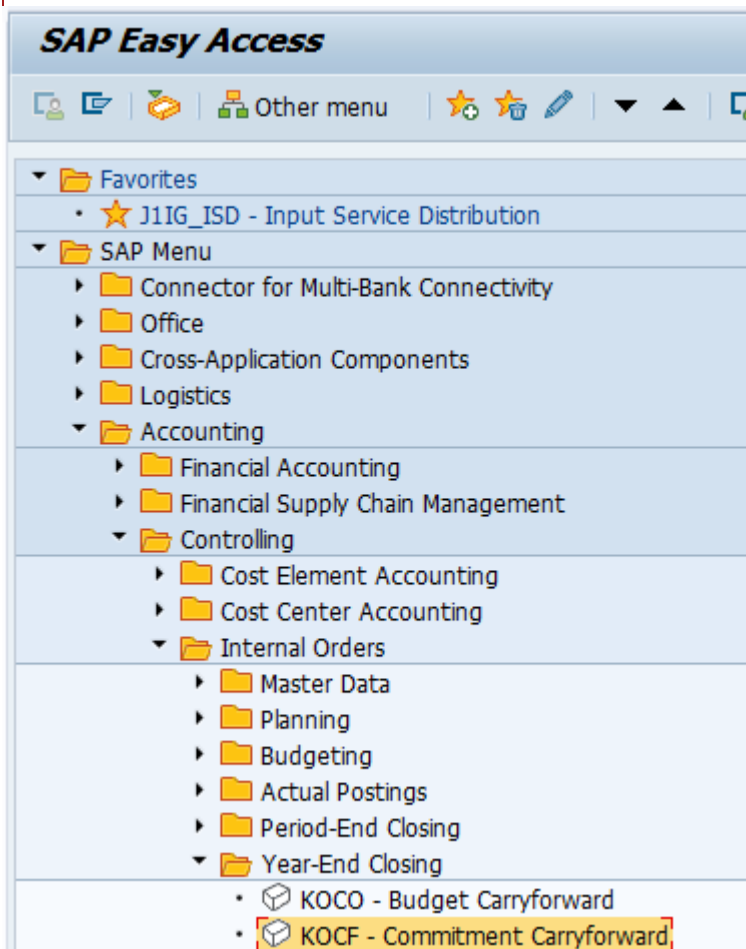
1.22. *Budget Carry Forward of Order*

IMG Menu	SAP > Accounting →Controlling →Internal Orders →Year End Closing → Budget Carry Forward
Transaction Code	**KOCO**

This is used in year dependent budget and used to carry forward leftover budget remaining in internal order to another year.

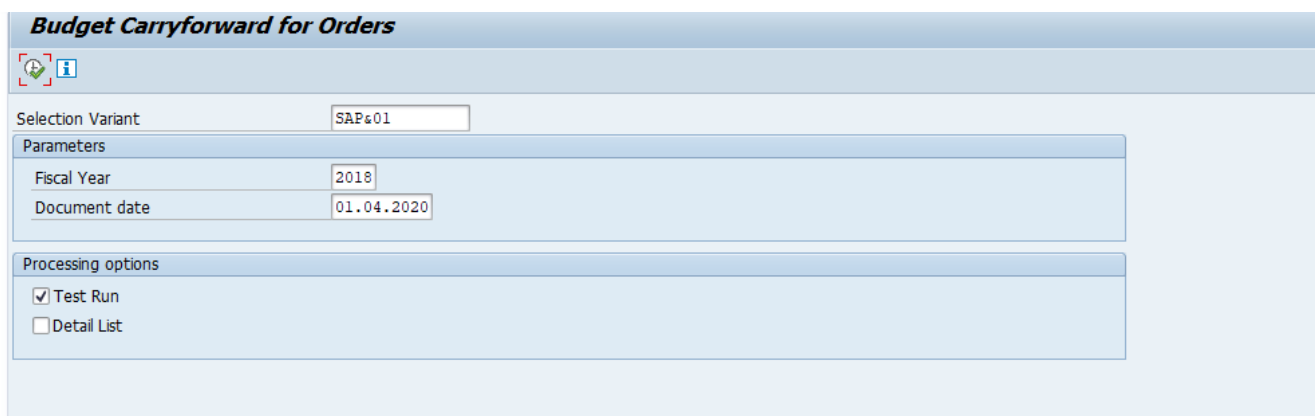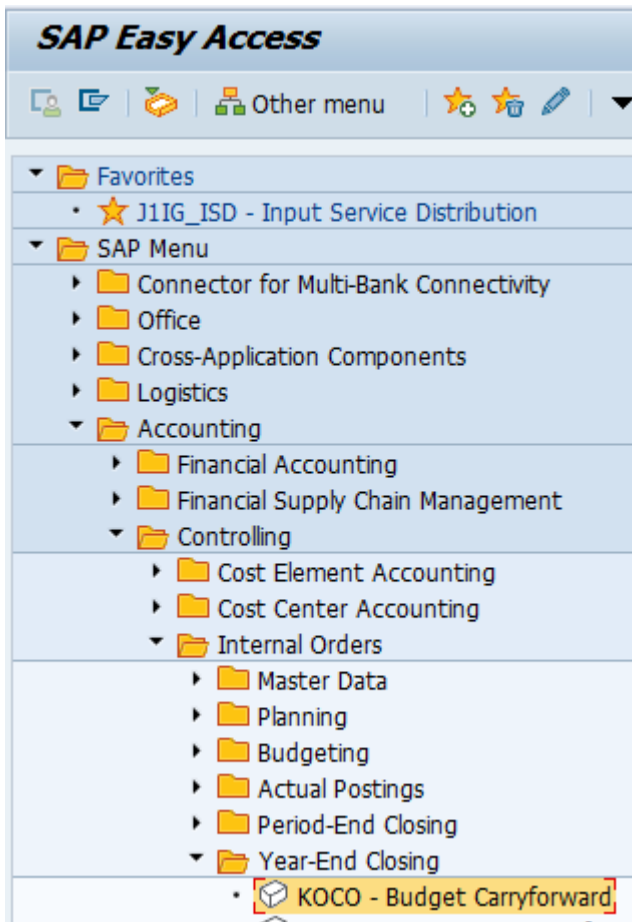**Budget Carryforward for Orders**

Test Run

Report

Sender fiscal year:	2018
Document date:	01.04.2020
Selection variant:	SAP&01
Number of orders selected:	288
Number of orders with budget:	2
Number of orders for which carryforward is possible:	0

1.23. Fiscal Year Budget Carry Forward of IM programs

IMG Menu	SAP > Accounting →Investment Management →Programs →Periodic Processing → Budget Carry Forward
Transaction Code	**IMCAOV**

This is used in year dependent budget and used to move internal order from one program to another.
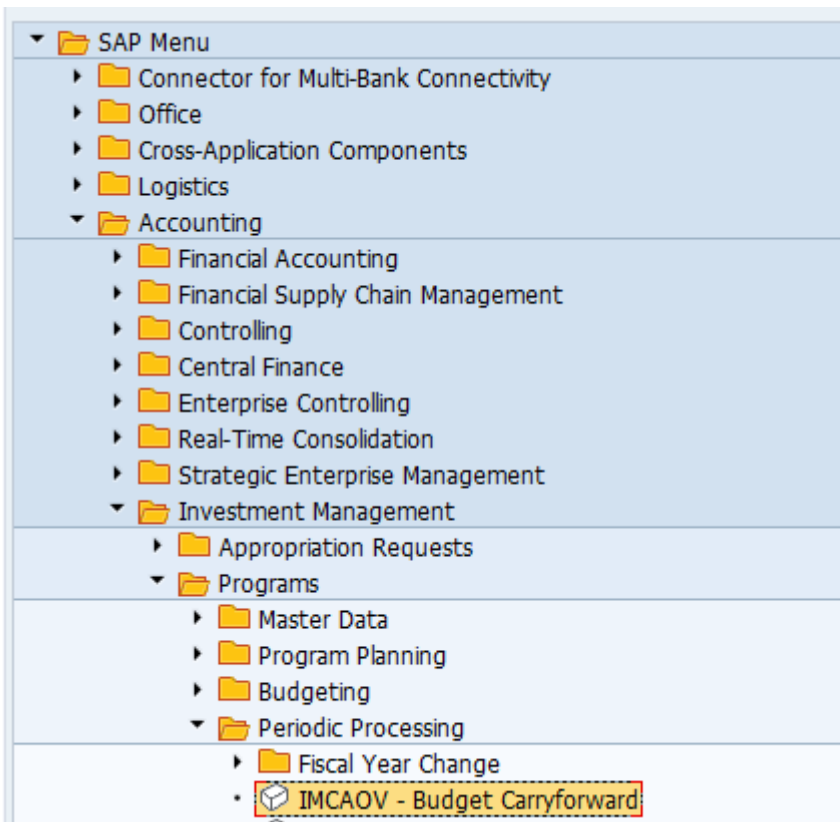
Investment Program Budget Carryforward

Investment program	ESLANP0
Position ID	HARDWARE COST
Approval year	2019
Sender fiscal year	2019
Line Item Text	

Processing options
- ☑ Test Run
- ☐ Budget as supplmt / return

Investment program budget carryforward

Technical Information

Type	Message Text
🟩	The program was executed in test mode
🟩	Data can be updated

1.24. View Asset Explorer

SAP R/3 menu	Sap Menu → Accounting → Financial Accounting → Fixed Assets → Asset → Asset Explorer
Transaction code	AW01N

Fill in the below details:

Company Code: 1000
Asset Number
Enter

Click on various tabs and depreciation areas to view balances.

1.25. View Asset Register

SAP R/3 menu	Sap Menu → Accounting → Financial Accounting → Fixed Assets → Environment → Worklist → Generate
Transaction code	AR01

Fill in the below details:

Company Code: 1000

Execute

Asset Balances

◀◀ ◀ ▶ ▶▶ 🔍 🖨 ☰ ▽ Σ ‰ 📊 📥 📤 ▽ 📊 ⊞ ⊞ ⊞ ℹ ☰ 📊Assets 📄 WL   Add to worklist

```
    Report date: 31.03.2020   Asset Balances - 01 Book deprec.
    Created on: 25.02.2020                                                         1
```

CompanyCode 1000	BusinessArea	Bal.SheetItem 8000000	Bal.Sh.AcctAPC 41100010	AssetClass 1000			

Asset	SNo.	Cap.Date	Asset Description	Acquis.val.	Accum.dep.	Book val.	Crcy
100000100001	0	18.02.2020	Asset_test	1,000.00	0.00	1,000.00	INR
*				1,000.00	0.00	1,000.00	INR
**				1,000.00	0.00	1,000.00	INR

```
    Report date: 31.03.2020   Asset Balances - 01 Book deprec.
    Created on: 25.02.2020                                                         2
```

CompanyCode 1000	BusinessArea	Bal.SheetItem 8000000	Bal.Sh.AcctAPC 41100020	AssetClass 2000			

Asset	SNo.	Cap.Date	Asset Description	Acquis.val.	Accum.dep.	Book val.	Crcy
200000100001	0	30.01.2020	EST TEST_ PLANT	0.00	0.00	0.00	INR
*				0.00	0.00	0.00	INR
**				0.00	0.00	0.00	INR

```
    Report date: 31.03.2020   Asset Balances - 01 Book deprec.
```