

HEIDELBERGCEMENT

A Brand New Outlook



 **Zuari Cement**

mycem
cement



SAP USER HAND BOOK

These are only few of many other achievements of the SAP Team which is working for the continuous improvement of the SAP Functionalities to suite and accommodate the requirements of the management & Government in a timely manner.

The initiative of the SAP Team to bring the SAP USER HAND BOOK for the use of all the end users of APSPDCL is highly appreciated.

M.M.NAYAK, I.A.S.
CHAIRMAN & MANAGING DIRECTOR



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Chairman & Managing Director



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MESSAGE FROM CHAIRMAN'S DESK

APSPDCL is one of the leading power utility in the State of Andhra Pradesh.

Most significantly, IT initiatives have positioned the company as one among the best managed power utilities in the power distribution sector in India. Various awards received by the Company are testimony to our achievements.

SAP is the result of one of such initiatives proved to be successful in meeting the internal requirements of the business and met the external reporting requirements in a guided & controlled environment with ease of access.

Duplication of activities at EROs were avoided by introducing auto updating of SAP cash book of EROs with the online collection data with interface from CBS Server. This project started on pilot basis in Tirupati Circle and will be rolled out to all circles by the end of February, 2018.

On-line Registration for new services through MeeSeva / DIC / APSPDCL portals under the AP state government's initiative of EODB is also integrated with SAP.



MESSAGE FROM DIRECTOR / TECH & HRD

**"Education is the most powerful weapon
which you can use to change the world"**

– Nelson Mandela

It is very much happy for me to know that SAP Team is bringing the book SAP USER HAND BOOK for the benefit of all the employees of the company working in SAP environment.

The benefits of the SAP ERP can be better engraved only when the functionality available in SAP is used in a better way thus leading to the complete and fullest benefit to the organisation.

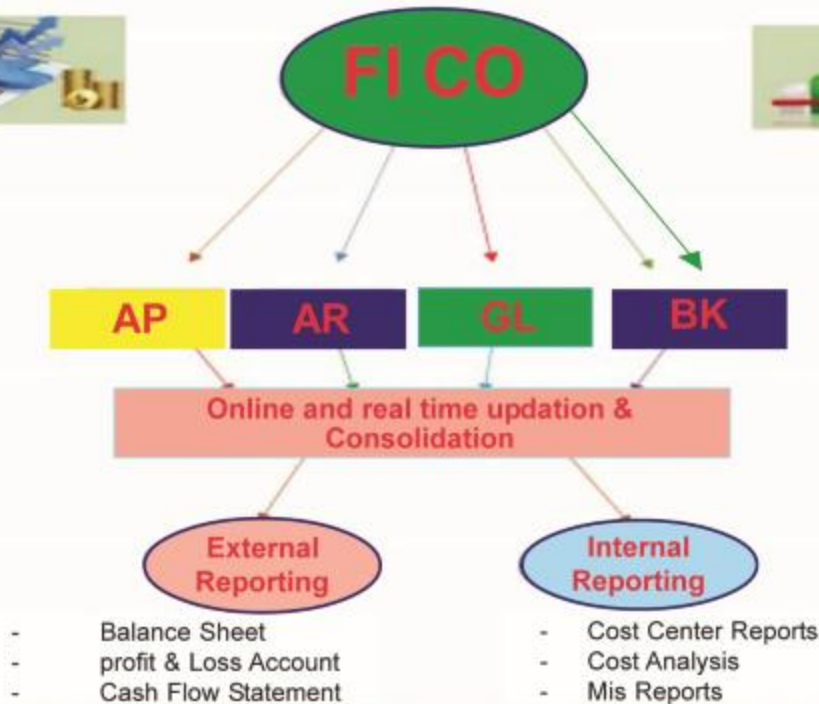
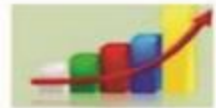
I believe that this SAP USER HAND BOOK will be better utilised by the employees to improve their knowledge in their area in SAP as it contains the details of all the transactions in use in respect of all the modules of SAP implemented by APSPDCL.

Knowledge shared is knowledge gained. Accordingly improving the knowledge levels in the staff will also increase the quality of the work.

I congratulate the SAP Team for their effort in bringing the SAP USER HAND BOOK in the interest of APSPDCL.

P.PULLA REDDY
DIRECTOR / TECH & HRD

FINANCE & CONTROLLING MODULE



ENERGY MISUSED - CAN NOT BE EXCUSED

ASSET MANAGEMENT

Material:
Reservation
Labour:
Purchase Order
FI Entry:
Turnkey Works

PS :WBS Element (Capital)
PS :WBS Element (Deposit Works)
PM: PM Order (R&M & O&M)
PM: PM Order (Capital)
PM: PM Order (Deposit Works)

PS/PM

Settlement

Asset Under Construction
(Capital Work in Progress)

Expenses

Asset Class 10400
(Plant & Machinery)

Asset Class 10500
(Lines and Cables)

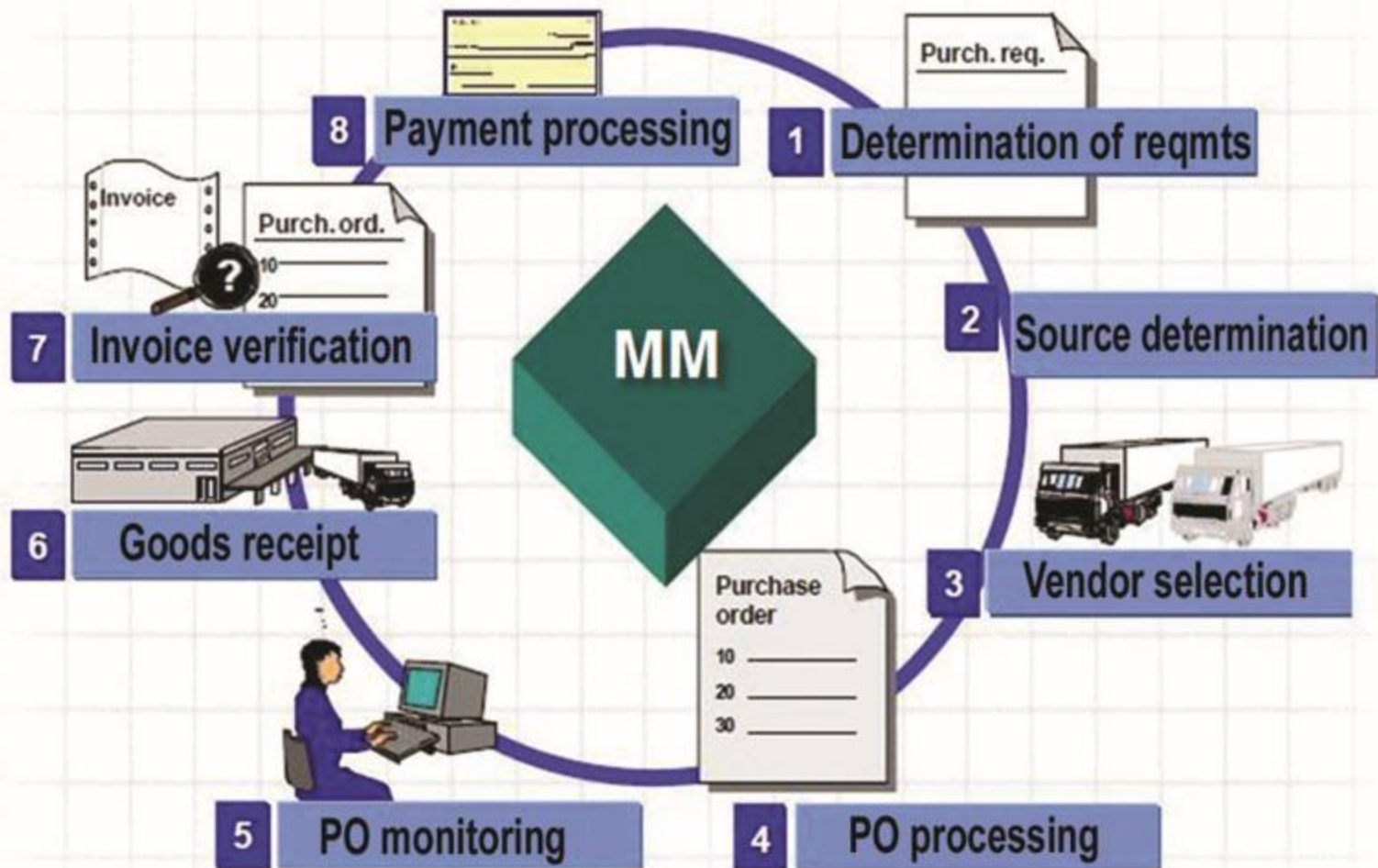
Asset Class 10550
(Meters and Metering
Equipment)

Other Activities
1.Trasfer
2.Disposal
3.Sale
4.Impairment

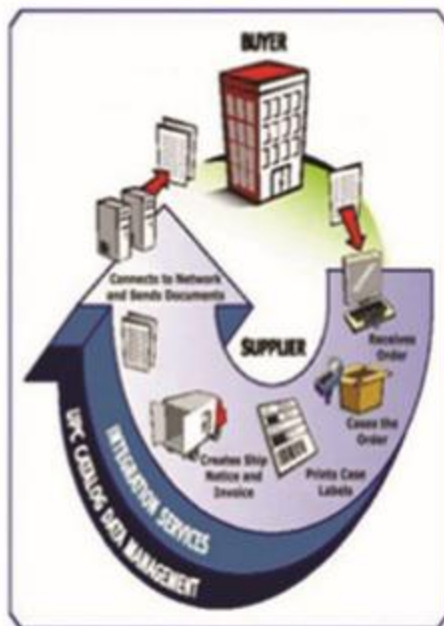
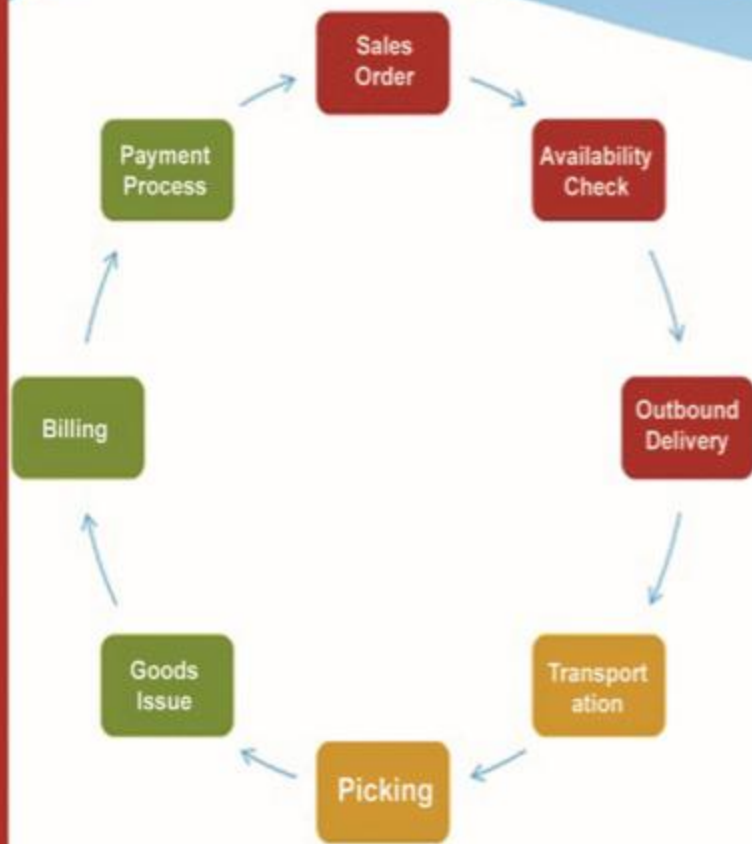
Depreciation



MATERIAL MANAGEMENT CYCLE



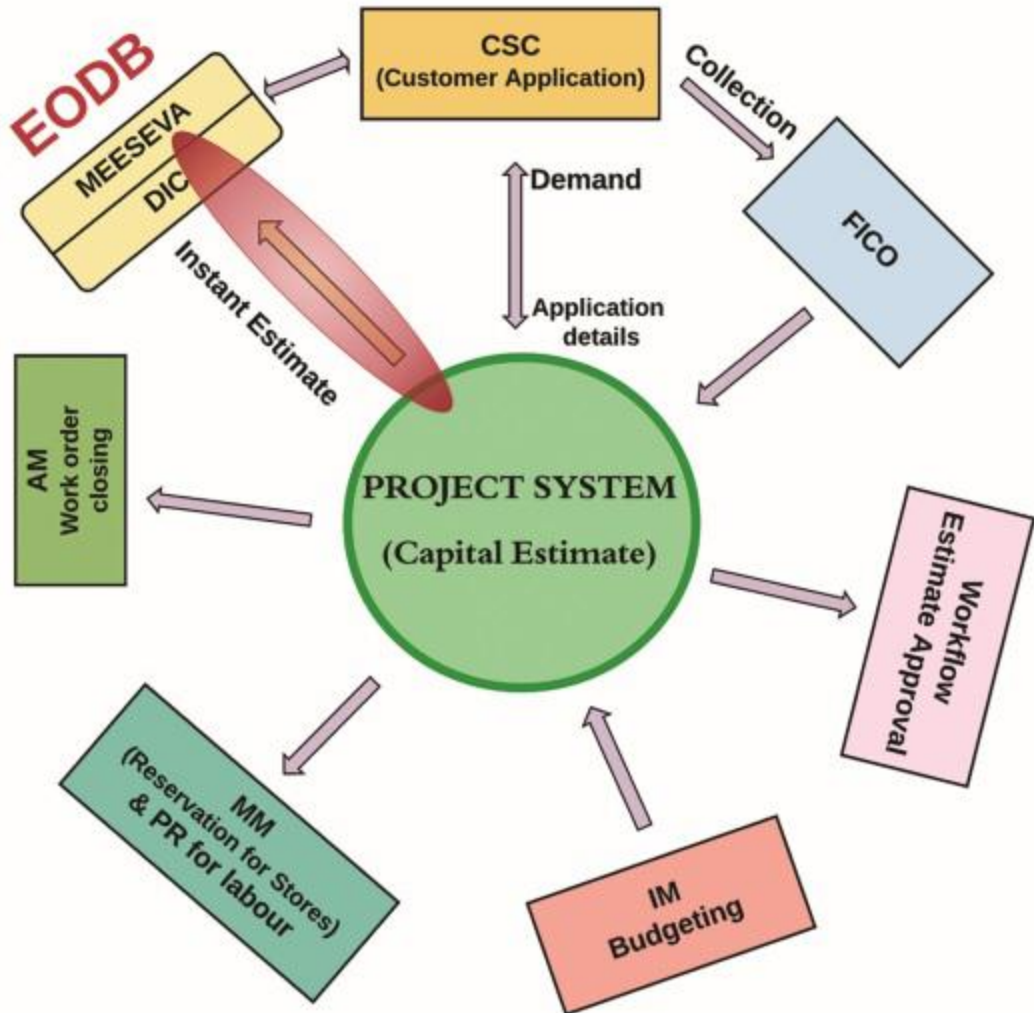
Sales & Distribution Cycle



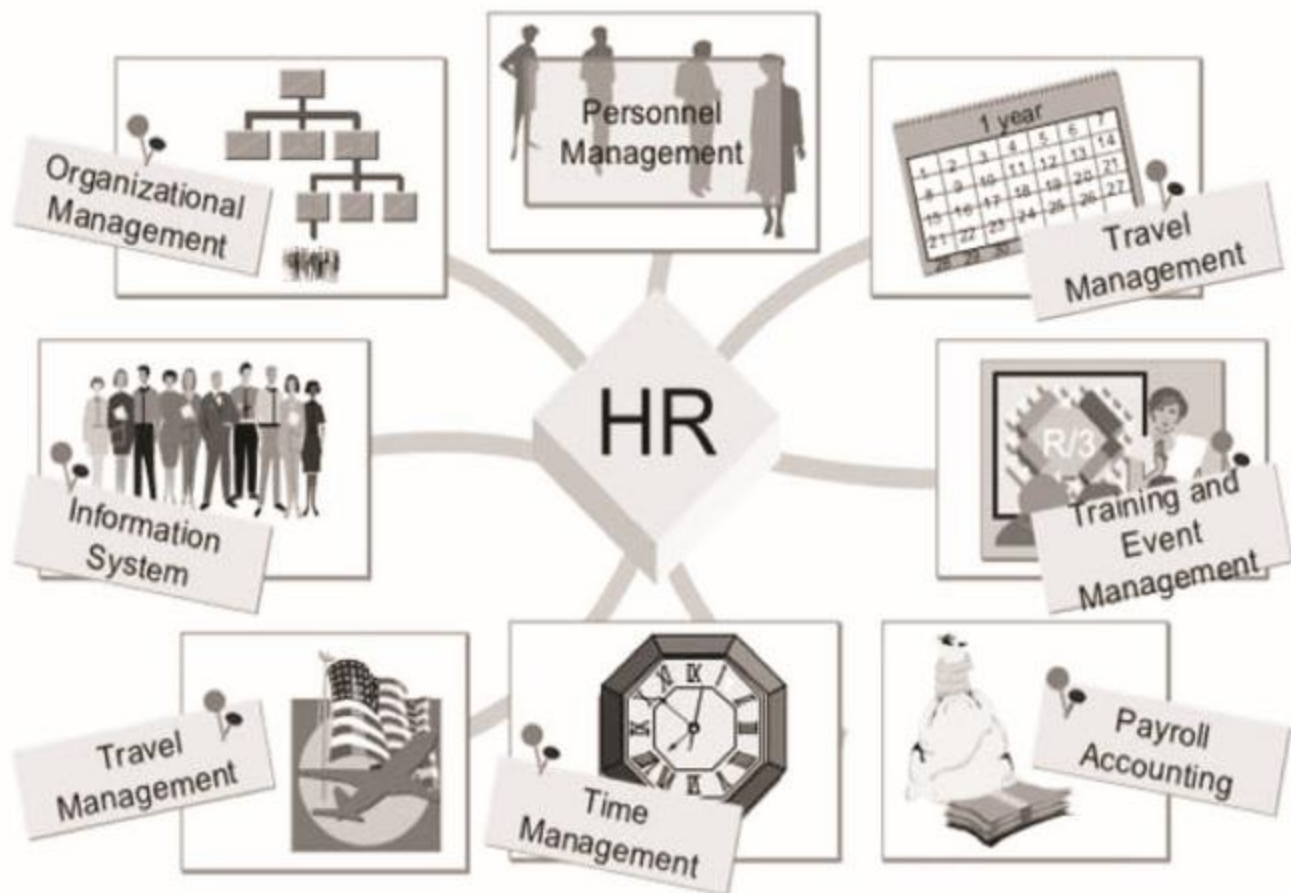
PLANT MAINTENANCE



PROJECT SYSTEM :: CAPITAL ESTIMATE



HUMAN RESOURCE MODULE



LISTEN TO MANY, SPEACK TO A FEW



**What if cement can
Provide durable
eco friendly
construction?**

Benefits : Low heat of hydration • Reduced leaching due to free lime in clinker being utilized in reaction with pozzolana • Increased bulk volume • Impermeable and denser concrete • Increased ultimate strength • Increased resistance to chloride, sulphate and alkali aggregate reaction

Application : It can be used for almost all the constructions where OPC is used • Heavy duty structures like flyovers, dams, aqueducts and marine structures • Subsoil structures and structures in hostile soils with high salinity, moisture and harmful chemical agents • For producing fibre cement roofing sheets and allied cement products • All types of mortars for construction - masonry, plaster, paving and tile fixing

Hydration characteristics

It improves durability by developing very dense matrix of hydration products restricting the entry of aggressive substances ensuring safety and long life of structures.

Lower heat of hydration

The heat of hydration of Zuari PPC is lower at early stages as compared to ordinary and rapid hardening cement. This prevents irreversible cracks caused by thermal stresses at the early stages.

Increased bulk volume

Zuari PPC gives more cement volume per bag, as compared to ordinary cement, because the specific gravity of Zuari PPC is much lower than ordinary Portland Cement.

Improved water tightness

Since the gel pores in Zuari PPC become narrowed by hydration of fly ash, it offers greater resistance to aggressive chemicals in the environment. It has minimum segregation and bleeding, much lower when compared with Portland Cements.

Improved corrosion resistance

As movement of corrosion-causing soluble chlorides is restricted, corrosion of reinforced steel is sharply reduced by using Zuari PPC.

Increased ultimate strength

Zuari PPC is produced by blending high quality fly ash with a very high quality clinker. This provides very high compressive strength additionally in the long run. Zuari PPC gains strength consistently, and over a longer period than OPC, helping structures become stronger and durable.

Increased durability

Zuari PPC improves the durability of the concrete in cases of marine construction and enhances compressive strength in the long run.

For the benefit of customers

Concrete in its early stages is tender and weak. This is the stage when it is more likely to develop cracks that can never be rectified. Pay extra attention to curing, as it gives long term strength to the structure.



*Images used are for visual representation only.

Quality Parameters **

Test	Zuari	IS 1489
Physical	PPC	(Part):
Requirement		2015

A. PHYSICAL REQUIREMENTS

FINESS : -

Specific Surface (Sqm/kg)	330	> 300
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SOUNDNESS : -

Expansion of saturated cement

(a) By Le Chatelier Method (cm)	5.8	<10
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(b) By Autoclave (%)	0.02	<0.8
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SETTING TIME : -

(a) Initial set (minutes)	200	> 30
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(b) Final set (minutes)	260	< 300
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Compressive strength (N/PS) : -

(a) 3 days	28	> 16
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(b) 7 days	38	> 20
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(c) 28 days	50	> 30
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B. CHEMICAL REQUIREMENTS :-

Loss on ignition (%)	1.7	<3
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Insoluble Residue (%)	22	*
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Magnesium Oxide (%)	1.4	<0.2
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Sulphuric Anhydride (%)	2.8	<3.5
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Alkalies (%)	0.45	
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Chlorides (%)	0.01	<0.1
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Declared % of fly ash used	25	
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*Not more than $\frac{0.00010}{0.00010}$ %
 ** Test results are subject to lab norms as per the IS



A.P. DISCOM GETS NATIONAL AWARD FOR POWER SAVING



CMD M.M. NAYAK, I.A.S

Distributing Energy Efficient Pump Set to Farmer