



SAP – Project Systems & Investment Management

Training/Process Document

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Introduction

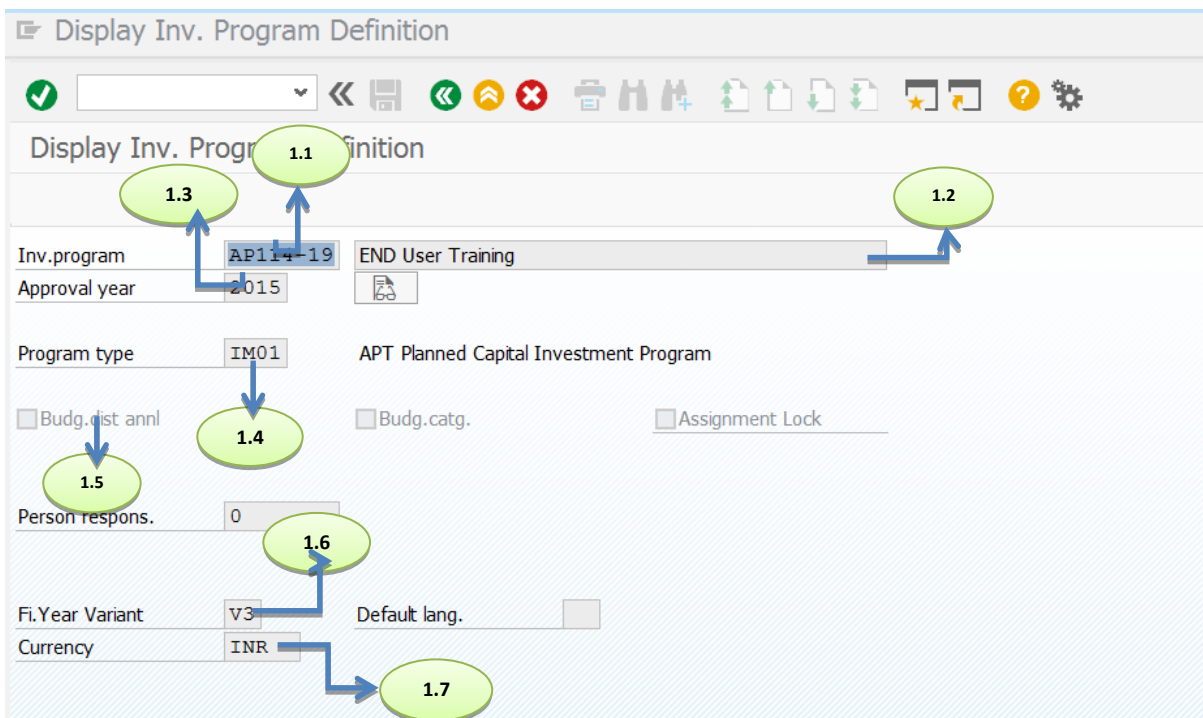
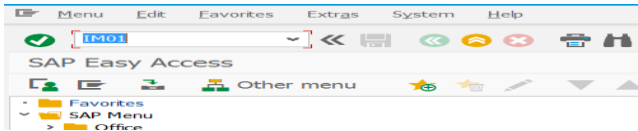
This guide is designed to document the process and good practice of existing Business AP Transco processes. About the Tutorial Project System (PS) is one of the key modules of SAP to perform project and portfolio management. It helps you to manage the project life cycle starting from structuring to planning, execution, until the project completion. Audience SAP PS helps to manage and support all the SAP projects in a company. Project System is a source to organization for planning, scheduling, collecting, and generating Assets and expenditure over a project period.

Recommended Users – Construction Wing, Transmission Wing, Civil wing, IT & Telecom, TRE Wing.

- ✚ Chief Engineers
- ✚ Superdendent Engineers
- ✚ Divisional Engineers
- ✚ Divisional Engineers (Technical)
- ✚ Assistant Divisional Engineers
- ✚ Assistant Divisional Engineers (Technical)
- ✚ Assistant Engineers
- ✚ Assistant Engineers (Technical)

1. Create Investment program (Control Period)

T- Code – IM01



- 1.1 Create Control Period ID for Ex:- APT14-19
- 1.2 Write the Description for Program (Control Period)
- 1.3 Approval Year – Which Program created year for Ex:- 2014-15 to 2019-20 approval year is 2014
- 1.4 Select Program Type from F4
- 1.5 Uncheck Budg. dist annl Check Box
- 1.6 Select Fi.Year Variant from F4 for Ex:- APR to Mar with Special Periods 4
- 1.7 Select Currency INR

2. Create Appropriate Request

T- Code – IMA11 – In Legacy this is called Proposal, after Field Feasibility report this proposal will be prepared with High Level Estimate by responsible CE Wing.

The Coding Mask of the Proposal and Scheme defined such a way that Proposal (Appropriation Request), Scheme (Project Definition,Level1 WBS) and Project (Level2 WBS) Coding will be the same.

SI	-00-00-00-0-00-00-00-0	System Improvement Schemes
----	------------------------	----------------------------



- a. SI represents Proposal Type
- b. Represents Year of the Proposal For Ex:- 16 or 17
- c. Represents of the next sequence number of the that proposal in that year

Below are Proposals Types (Appropriation Request Types)

2.1 Select appropriate Proposal Type as mentioned below

RqTyp	Name
AG	Augumentation Projects
BL	Bulk Load Projects
CV	Pure Civil Projects
DC	DC works Projects
GC	Generator Connectivity works(Private)
IT	IT Projects
LI	Lift Irrigation Projects
NC	Non Planned Capital Works
PE	Power Evacuation Projects
RM	RMI Works
SI	System Improvement Schemes
SL	SLDC Works
TL	Pure Telecom Projects

Create Appropriation Request:

Worklist on [Icons]

Appropriation req. App. req. type

Name

General Data | Control data | Organizational Units | Measures/Assets | User Fields | Variants

General data

Reason for investmt	20	CE Construction
Envir. investment	<input type="text"/>	
Scale	<input type="text"/>	
Priority	<input type="text"/>	
Approval year	2018	
Planned approval	<input type="text"/>	
Implementation start	22.02.2018	
Country for investmt.	<input type="text"/>	
Trading partner	<input type="text"/>	

External authorities
 Strategic appropriation request

- 2.2 Select the Proposal sequence number
- 2.3 Write the description of the Proposal maximum 40 Characters
- 2.4 Click on the Icon and Paste the long text of the Proposal
- 2.5 Select from F4 responsible CE for this Proposal
- 2.6 The year of the proposal approved
- 2.7 Tentative Implementation start date of the Scheme

Select the Variants Tab

The screenshot shows the SAP Project Systems/Investment Management interface. The top navigation bar includes tabs: General data, Plan versions, Plan values, Preinv.analysis, Documents, and Deprec. data. The 'General data' tab is active, showing fields for Variant (1), Assessment, and Name (End User Training). A callout '2.8' points to the variant name field. Below this is the 'Create Appropriation Request' section with a 'Worklist on' toolbar. The 'Appropriation req.' field shows 'SI-16-99' and 'App. req. type' is 'S7'. A callout '15.6' points to the 'App. req. type' field. The 'Variants' tab is selected, showing a table with columns: Variant, Assessment, System status, Costs, and Revenue. The table contains one entry: '0001 End User Training' with Assessment 'CRTD', Costs '0.00', and Revenue '0'. Callouts '2.10.1' and '2.10' point to the variant and system status fields respectively. Below the table is another navigation bar with tabs: General data, Plan versions, Plan values, Preinv.analysis, Documents, and Deprec. data. The 'Plan values' tab is active, showing a table titled 'Plan values on the variant 0001' with columns: Period, Investment costs, Overhead costs, Combined costs, and Revenue. The 'Overall' row shows 'Investment costs' (highlighted with callout '2.11'), 'Overhead costs', 'Combined costs' (0.00), and 'Revenue'. At the bottom, there is a 'Currncy' field set to 'INR' and a '1' field. A callout '2.12' points to the 'Currncy' field.

2.10.1

General data	Plan versions	Plan values	Preinv.analysis	Documents	Deprec. data	
Assignmt to plan versions						
Appr.year	Version	Version name	Auth...	Name	Variant	Appropriation req.
2014	0	Plan/actual version			1	

- 2.8 Write the Description of the Variant, this is like First proposal or second Proposal
- 2.9 Select Variants Tab
- 2.10 Select Plan values Tab
- 2.10.1 Select Plan Versions tab and Select Variant from F4
- 2.11 If you want to put direct Lumpsum Cost can be used this field otherwise go to step
- 2.12 Select icon for High Level Estimate.
- 2.13 Select Show/Hide Item view as mentioned below
- 2.14 Select "V" - Variable from F4
- 2.15 Select Choose Layout which is suitable or Select Change Layout for Own
- 2.16 Write the Description Maximum 40 Characters in Description field it is more write in Remarks field.

The screenshot shows the SAP Costing interface. A table is displayed with the following data:

ItmNo	Itm	Resource	Quantity	BU	Total Price	Total Value	Description	Cost Ele	Remarks
1	V		2	EA	12,500,000.00	25,000,000.00	Line from Ongole to	7419000	

Callouts in the image:

- 2.13 points to the 'Show/Hide Item View' icon.
- 2.14 points to the 'V' in the 'Itm' column of the table.
- 2.15 points to the 'Choose Planning Form' button.
- 2.16 points to the 'Remarks' field in the table.

Create Appropriation Request:

Worklist on [Icons]

Appropriation req. App. req. type

Name 2.18

General Data | **Control data** | Organizational Units | Measures/Assets | User Fields | Variants

Status

System status	Created	▲ For approval	[Refresh] [Cancel] [Lock] [Close]
---------------	---------	----------------	-----------------------------------

Assignment to investment program position

Investment program	APT14-19	2014	CONTROL PERIOD-FY 2014-15 TO FY 2018-19
Position ID	SI-16-09-POS	132/33KV SS MANGALAM IN CHIT	

Assignment of alternates

Orig. approp.request	<input type="text"/>	[Delete]
----------------------	----------------------	----------

2.17 Select Control data Tab

2.18 Send for approval

After Step 2.18 WORKFLOW will be triggered and can be seen in immediate reporting officer Inbox as shown below.

W1. Select icon and Search in Inbox for suitable item

W2. Click on attachment for High Level estimate

Menu Edit Favorites Extras System Help

SAP Easy Access W1

- Favorites
- SAP Menu
 - > Office
 - > Cross-Application Components
 - > Logistics
 - > Accounting
 - > Human Resources
 - > Information Systems
 - > Tools
 - > WebClient UI Framework

Approve Appropriation Req SI-17-78 Submitted by Assistant Engineer Four

Choose one of the following alternatives

Approve Without Changes

Approve With Changes

Reject

Cancel and keep work item in inbox

Description
 220KV line from Guntur to Vijayawada - Test
 Submitted By
 Rama Rao Are Assistant Engineer Four 12.10.2017 15:28:50

Objects and attachments

- Appropriation Req. SI-17-78
- Object Attachment: Appropriation Request000100000156
- ZATTACH_000100000156



TRANSMISSION CORPORATION ANDHRA PRADESH LTD.

Scheme Ref. Num. :SI-17-78

Dated : 10.12.2017

220KV line from Guntur to Vijayawada
 220KV line from Guntur to Vijayawada

Date	Topic	Start Time	Tea Break	Lunch Time	Tea Break	End Time
Monday, July 10, 2017	PS module (Introduction, Administrative approval, Budget to Projects, Project Structures, Templates & Estimates, PR etc)	10.30AM	11.45AM			12.00PM
Tuesday, July 11, 2017	MM/QM module(RFQ, PO creation, Conditions & other details in PO, PV, Goods receipt, check measurement, different types of store transactions, devolution of materials etc)	10.30AM	11.45AM	12.00PM	1.15PM	2.00PM
Wednesday, July 12, 2017	PS module(Tower schedule upload, MBook, Service Entry, Goods issue, Material Account statement etc)	10.30AM	11.45AM	12.00PM	1.15PM	2.00PM
Thursday, July 13, 2017	PS module (Network confirmations, Progress, ROW, Statutory clearances etc and Conclusion).	10.30AM	11.45AM	12.00PM	1.15PM	2.00PM
Friday, July 14, 2017	PS module (Test on training, Discussion on Migration of open Purchase orders)	10.30AM	11.45AM	12.00PM	1.15PM	2.00PM

TRANSMISSION CORPORATION OF ANDHRA PRADESH LTD.						
ABSTRACT ESTIMATE						
(Amount in Lakhs RS)						
S.I no	Item Sno	Description of Line/Substation	Quantity/UOM		Price per unit	Estimated Cost
A	1	Substation	1,000	LS	2,000,00	2,000,00
	2	Line	10,000	KM	12,00	120,00
	3	Bay	1,000	LS	50,00	50,00
	4	Bay	1,000	NO	500,00	500,00
Sub Total(in Lakhs): 2.670,00						
Grand Total(in lakhs): 2.670,00						
or Say(Rs in Crores): 26,70000						

After Approval of the High level estimate create Position ID.

3. Create Position ID

T Code – IM22, Select the node which is suitable.

Structure of APT14-19/2014

APTRANSCO Capital Works

- CE400KV Chief Engineer - 400KV Schemes
 - 400KVSI System Improvement -400KV Schemes
 - 400KVPE Power Evacuation — 400KV Schemes
 - 400KVBL BulkLoad — 400KV Schemes
 - 400KVDC DC — 400KV Schemes
 - 400KVAG Augmentation — 400KV Schemes
- CECONS Chief Engineer - Construction
 - CONS-SI System Improvement -CONSTRUCTION Schemes
 - CONS-PE Power Evacuation — CONSTRUCTION Schemes
 - CONS-BL BulkLoad — CONSTRUCTION Schemes
 - CONS-DC DC — CONSTRUCTION Schemes
- CELIS Chief Engineer - LIS
 - 1BLLI Lift Irrigation Schemes-Bulk Load
 - 1DCLI Lift Irrigation Schemes-DC Works
- CECIVIL Chief Engineer-Civil
 - CIVIL Pure Civil Capital works
- CESLDC Chief Engineer-SLDC
 - SLDC SLDC Works
- CETRANSMISSION Chief Engineer-Transmission
 - 1AGUPTO220KV Augmentation Schemes (except 400KV)
 - 1RMI RMI SCHEMES
- CETELECOM Chief Engineer-Telecom
 - TELECOM Telecom Schemes

- 3.1 Select Suitable Program to create Position ID
- 3.2 Expand IM structure and select suitable node to create Position ID
- 3.3 Click on Icon to create Position ID
- 3.4 Create Position ID code same as Scheme ID with the extension of “-POS” for easy identification in structure
- 3.5 Click on Check button and Copy button

Create Inv. Program Positions

Subordinate to... Position ID CONS-SI
 Arr. equally Inv.program APT14-19
 Approval year 2014

Position ID	Name	IR	Pr.	Scale	Respons.
SI-16-99-POS	END User Training				00000004
					00000004
					00000004
					00000004
					00000004
					00000004
					00000004
					00000004
					00000004
					00000004
					00000004

Check Copy Cancel

Position ID	Description
CONS-SI	System Improvement -CONSTRUCTION Schemes
SI-16-99-POS	END User Training
SI-05-01-POS	MLYM 132KV SS REV SCHEME (PFC) TOO-64
SI-05-02-POS	ERECTION OF 220KV SS PLMNR & CONEC LINES
SI-07-01-POS	ERECTION OF KOTHAPETA 132KV SS & LINES
SI-08-01-POS	ERECTION OF 132KV SS KOVELAKUNTALA & LINE
SI-08-02-POS	ERECTION OF DUVVUR 132KV SS & LINE
SI-08-03-POS	ERECTION OF RACHGUNNERT 220KV SS & LINES

4. Assign Position ID to Appropriation Request

After Position ID creation assign to Appropriation Request T code IMA11 with Change icon.

4.1 Select Investment Program and Suitable Position ID and Then SAVE

Change Appropriation Request:

Worklist on [Icons]

Appropriation req. App. req. type
 Name

General Data | **Control data** | Organizational Units | Measures/Assets | User Fields | Variants

Status
 System status Release [Icons]

Assignment to investment program position
 Investment program CONTROL PERIOD-FY 2014-15 TO FY 2018-19
 Position ID END User Training [Icon]

Assignment of alternates
 Orig. approp.request [Icon]

5. Create Measure or Scheme from the Proposal

T-Code IMA11 in Change Mode—Go to Measures Tab.

Change Appropriation Request:

Worklist on [Icons]

Appropriation req. App. req. type
 Name

General Data | Control data | Organizational Units | **Measures/Assets** | User Fields | Variants

Measures to be carried out

WBS element	Pre.proj.	Description
<input type="text" value="5.1"/> [Icon]	<input type="checkbox"/>	

Project Profile System Improvement Projects
 WBS element Project [Icons]

Assets / equipment affected
 Company Code
 Asset
 Equipment

Create WBS Element

Create new WBS element

Project definition	SI-16-99	End User Training
WBS element	SI-16-99	End User Training

Project Profile System Improvement Projects

Plan value transfer

Adopt plan values Percentage
 Prelm. project w/o plan values [Icon]

Reference

Copy from proj. def.
 Std. project def.

With WBS Documents
 Milestones

- 5.1 Click on WBS Element button
- 5.2 Select Prelim.Project W/O plan Values because detail estimate will be done later

6. Assign Budget to Position ID and Scheme

6.1 Assign Budget to Position ID

T- Code IM32.

Change Original Program Budget: Initial Screen

Investment program	APT14-19	6.1.1
Position ID	SI-16-99-POS	6.1.2
Approval year	2014	6.1.3
To-hierarchy level		
Currency		

With Path

- 6.1.1 Select Program from F4
- 6.1.2 Select Position ID from F4 or Type in the field
- 6.1.3 Check "With Path" Check Box

Budget Edit Goto Settings Extras System Help

Change Original Program Budget: Item Overview

Inv program: APT14-19 / 2014 CONTROL PERIOD-FY 2014-15 TO FY 2018-19

Approval Period: Current

Position: 0 Overall

Overall values



Lev	Program item	Budget	Tra...	Current budget	Distributed	Distributable	Plan
1	APTRANSCO	25,000,000.00	INR	...000,000.00	...000,000.00		
2	CECONS	25,000,000.00	INR	...000,000.00	...000,000.00		
3	CONS-SI	25,000,000.00	INR	...000,000.00	...000,000.00		
4	SI-16-99-POS	25,000,000.00	INR	...000,000.00		...000,000.00	


- 6.1.4 Enter Administrative approved amount in Position ID
- 6.1.5 Select Budget Column
- 6.1.6 Select Edit button in the menu bar → Select Total UP → Select total Values
- 6.1.7 Click on Check button – Make sure no errors found
- 6.1.8 Click on Save button

6.2 Assign Budget to Scheme

T Code IM52

Budget distribution


Investment program:  

Position ID: 

Approval year:


Currency:

Measures in Approval Period

Select current-year measures 

Select carried-fwd measures

Process transactions

Original 

Supplements

Returns

- 6.2.1 Select Program from F4
- 6.2.2 Select Position ID and then Click on Clock button
- 6.2.3 Select suitable Radio button
- 6.2.4 Select Suitable Radio button and then Click on Clock button

Lev	Program item	Budget	Tra...	Current budget	Distributed	Distributable	Cu
1	SI-16-99-POS	25,000,000.00	INR	...000,000.00	...000,000.00		
2	SI-16-99	25,000,000.00	INR	...000,000.00		...000,000.00	

- 6.2.5 Enter approved amount not more than Position ID amount
- 6.2.6 Check and make sure no errors found
- 6.2.7 Click on Save

7. Create Scheme Structure

T Code CJ20n.

- 7.1 Click on icon

7.2 Enter Scheme ID in Project Definition Field

The screenshot displays the SAP Project Builder interface for Project SI-16-99. The left pane shows the project structure with 'End User Training' selected. The central pane shows the 'Identification and view selection' section with fields for 'Project def.' (SI-16-99) and 'Detail' (End User Training). The right pane shows various data entry fields including 'Status' (System Status: CRTD), 'Project coding mask', 'Responsibilities' (Pers. Resp. No.: 4, CE Construction), 'Dates' (Start date: 22.02.2018, Finish date: 29.11.2018), and 'Organization' (CO area: 3000, Company code: 3000). Annotations 7.3 through 7.8 highlight specific fields and actions: 7.3 points to 'Pers. Resp. No.', 7.4 to 'Start date', 7.5 to the 'Templates' tab, 7.6 to 'WBS Elements', 7.7 to the 'Include in Templates' dialog with 'SI-10-02-01', and 7.8 to the 'End User Training' project object.

- 7.3 Select Suitable person Responsible for the Scheme
- 7.4 Tentative or Agreed Completion date of the scheme
- 7.5 Select the Tab of Templates
- 7.6 Select WBS Element
- 7.7 Select suitable template or any existing project suits to you
- 7.8 Select Level1 WBS
- 7.9 Select Template , Drag and Drop at Level1 WBS
- 7.10 Select level2 WBS
- 7.11 Select suitable Project Type on Right hand side of the pane

The screenshot shows the SAP Project Builder interface for Project SI-16-99. The left pane displays the Project Structure tree with '132KV LINE FROM 220KV SS GUDIVADA' selected. The right pane shows the 'Identification and view selection' and 'Basic Data' tabs. Callouts are placed as follows:

- 7.9**: Points to the 'WBS element' field in the 'Identification and view selection' section.
- 7.10**: Points to the 'Detail' field in the 'Identification and view selection' section.
- 7.11**: Points to the 'System Status' field in the 'Basic Data' section.
- 7.12**: Points to the 'Req. cost center' field in the 'Responsibilities' section.

Below the main interface, a 'Templates' list is visible, with '132KV LINE FROM 220KV SS GUDIVADA' selected under 'WBS Elements'. A callout **7.9** points to this selection.

7.12 Select suitable Cost centre from F4 and then Save

The screenshot shows the 'Linked Documents' section of the SAP Project Builder interface. The table below is populated with one document entry:

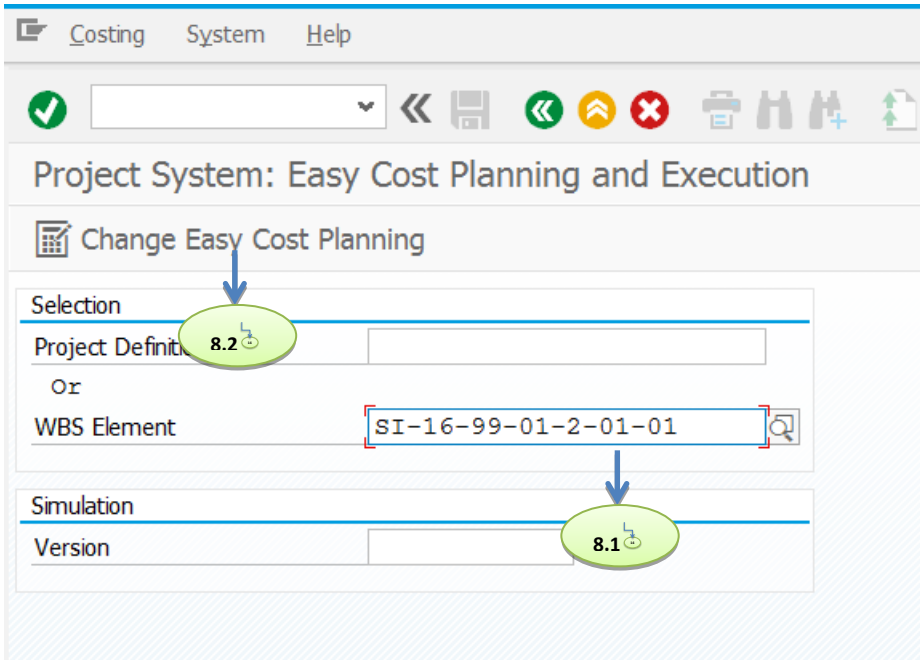
Doc Ty.	Document	DPr	Vs	Description	St
TWS	000000001	000	00	End User Training	Cre

Callout **7.13** points to the 'Document' field in the first row of the table.

7.13 Select Document Overview to attach documents like tower schedule forms, designs, drawings, or any common documents.

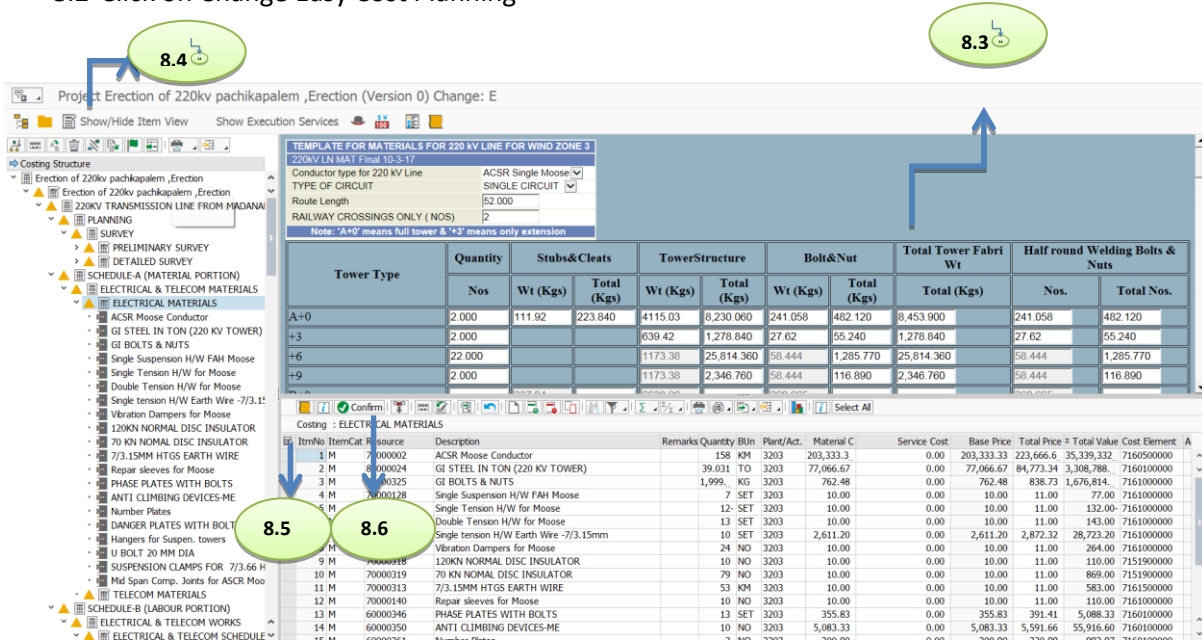
8. Easy Cost Planning

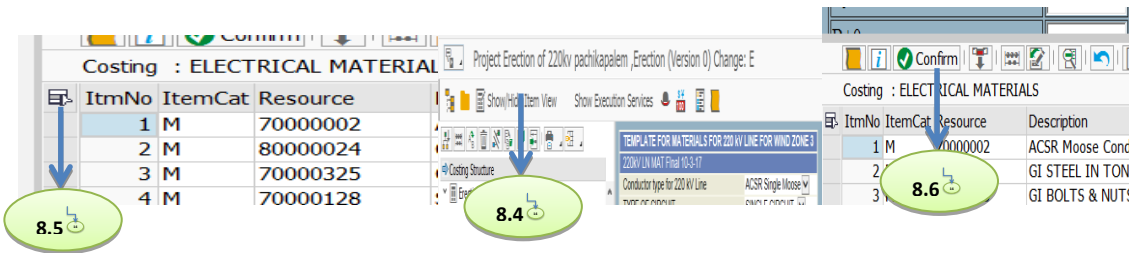
T Code CJ9ECP



8.1 Enter your respective WBS element number to prepare the detailed estimate. For Ex:- Civil team will take only Civil WBS Element

8.2 Click on Change Easy Cost Planning

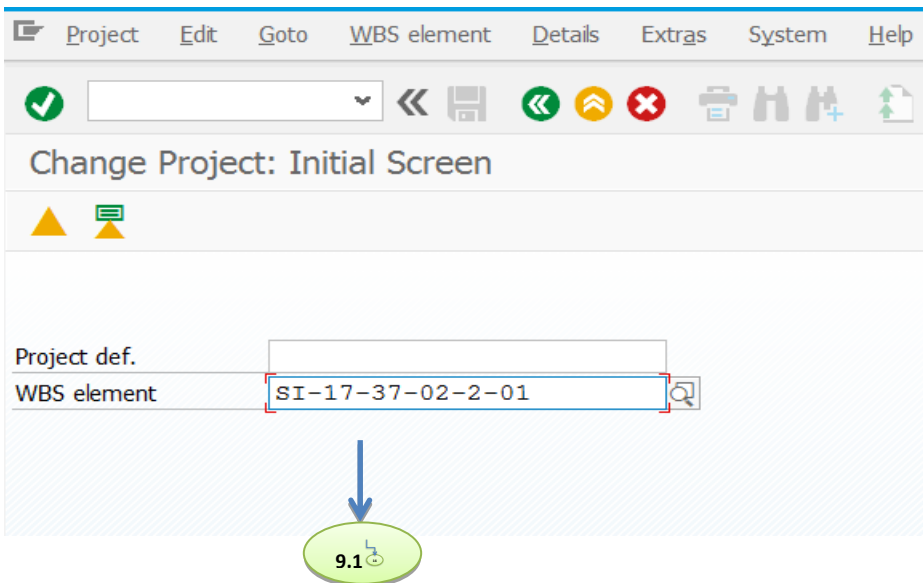




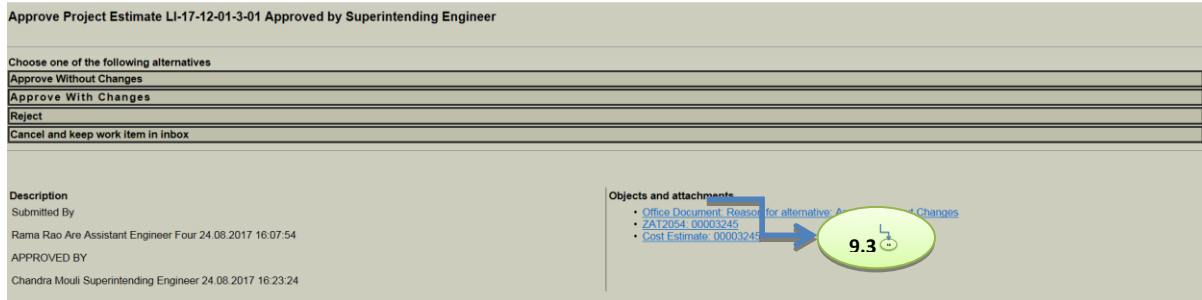
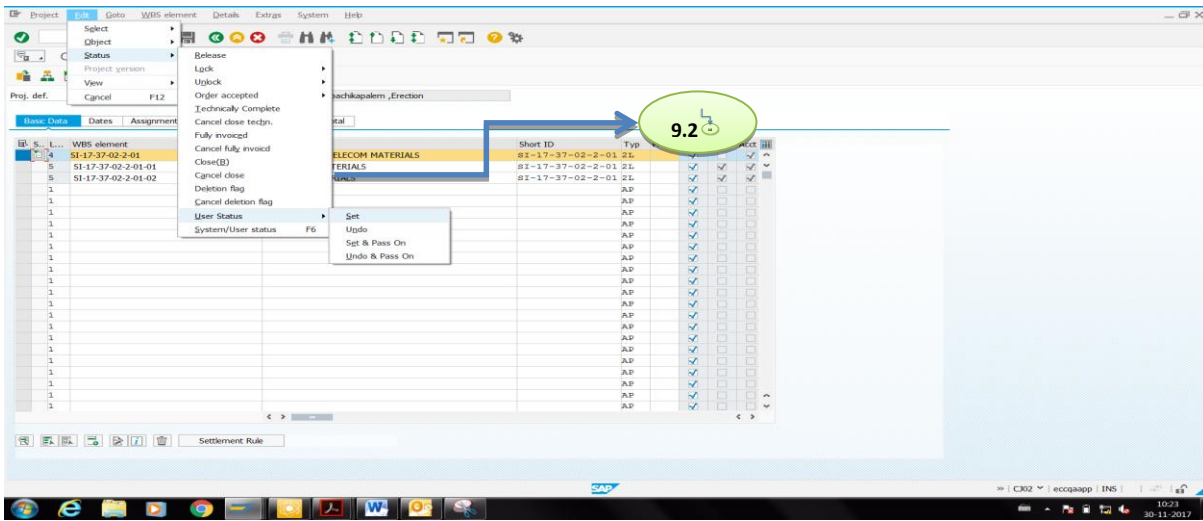
- 8.3 Enter all your inputs without pressing the “Enter” Button in Key board, after completion of all your inputs press the “Confirm” button in Template.
- 8.4 Click on icon(Show/Hide Item View) to see template derived Material codes or Service codes with Qty's and Prices. Can be input if you want to change any Qty's/Prices or any Line to be add.
- 8.5 After all changes, Select all icon
- 8.6 Click on “Confirm” button, if required press click 2 times on Confirm Button. Press back button and then Save button mandatorily, otherwise estimate will not be saved.

9. Workflow for Cost Estimates

T Code – CJ02



- 9.1 Enter your 4th Level WBS element because under 4th Level there will be no.of schedules like Schedule 1, 2, 3. Need to send all schedules at a time for approval, so selected 4th Level WBS. **Enter 2nd Level for consolidation of all the estimates to send for approval –HO only**
- 9.2 Select 4th Level WBS element → EDIT → status → User status → set → Submitted and then save. Work flow will be triggered and System derives attachment for this estimate.



- 9.3 Click on attachment system provides you Excel sheet of your Estimate and PDF of Consolidated value.
- 9.4 After Submission of Estimate if anybody changes System records another attachment with their user id and date.

Approve Project Estimate AG-17-01-03-1-01 Approved by Assistant Engineer Three

Choose one of the following alternatives

Approve Without Changes

Approve With Changes

Reject

Cancel and keep Attachment list

Icon	Title	CreatrName	Created On
	Technical Saction00008627	Are Ramarao	30.08.2017
	Technical Saction00008627	ZPSUATTRNG1	
	Technical Saction00008627	Are Ramarao	
	Technical Saction00008627	Sujay PM	
	Technical Saction00008627	G Tyagarani	
	Technical Saction00008627	Are Ramarao	

Objects and attachments

- Office Document: Reason for alternative: Approve Without Changes
- Office Document: Reason for alternative: Approve Without Changes
- Office Document: Reason for alternative: Approve Without Changes
- Office Document: Request(1) for Approve Project Estimate AG-17-01-0
- ZAT2054: 00008627
- Cost Estimate: 00008627

Line Item	Description	Quantity	Unit of Measure	Material Cost	Service Cost	Base Price	Conveyance	Area Allowance	Service Tax	Mobilisation Cop	Labour Cess	ED	VAT	Freight_Condition	Insurance	Tot
1	CHECK SURVEY	100	KM	0	5482.08	5482.08	0	951.75	822.31	190.35	54.82	0	0	0	0	0
2	SETTING OF STUBS WITH TEMPLATE-A,B,C,D	250	NO	0	14258.88	14258.88	0	2475.5	2138.83	495.1	142.59	0	0	0	0	0
3	ERECTION OF TOWERS EXCEPT JC	1424.697	TO	0	6477.12	6477.12	0	1124.5	971.57	224.9	64.77	0	0	0	0	10
4	STRINGING OF POWER CONDUCTOR-3NO MOOSE	100	KM	0	69969.6	69969.6	0	12147.5	10495.44	2429.5	699.7	0	0	0	0	0
5	STRINGING OF EARTHWIRE -HTGS 7/3.15MM	100	KM	0	8841.6	8841.6	0	1535	1326.24	307	88.42	0	0	0	0	0
6	EARTHING OF TOWERS-PIPE EARTHING	204	NO	0	5621.76	5621.76	0	976	843.26	195.2	56.22	0	0	0	0	1
7	COUNTERPOISE EARTHING-EXCL STEEL WIRE	50	M	0	50.4	50.4	0	8.75	7.56	1.75	0.5	0	0	0	0	0
8	HALF ROUND WELDING FOR NORMAL TOWERS	67836.406	EA	0	23.04	23.04	0	4	3.46	0.8	0.23	0	0	0	0	1



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Technical Sanction/Estimate

TOO Number:
TOO Date :

WBS Element:LI-17-12-01-3-01

S.NO	Description	Total Value in Rs.
	ELECTRICAL & TELECOM SCHEDULE	27.764.023,01
	Sub Total() :	27.764.023,01
	GROSS ESTIMATE VALUE :	27.764.023,01
	or Say : TWO CRORE SEVENTY SEVEN LAKH SIXTY FOUR THOUSAND TWENTY THREE Rupees ONE Paise	

10. Create Purchase Requisition from Estimates

A. Create PR from Estimates

T Code CJ9ECP

Project System: Easy Cost Planning and Execution

Change Easy Cost Planning

Selection

Project Definition

Or

WBS Element

Simulation

Version

- 10.1 Enter 2nd Level WBS element of your project and select “ Change Easy Cost Planning”
- 10.2 Select WBS element on the left side of the panel ,For EX:- in case you want to create PR for Schedule A, including Electrical and Telecom Material, then select higher level of the Electrical and Telecom Material WBS

Costing Structure

- ▼ Erection of 220kv pachikapalem_Erection
 - ▼ 220KV TRANSMISSION LINE FROM MADANAPAL
 - ▼ PLANNING
 - ▼ SCHEDULE-A (MATERIAL PORTION)
 - ▼ ELECTRICAL & TELECOM MATERIALS
 - ▼ ELECTRICAL MATERIALS
 - ACSR Moose Conductor
 - GI STEEL IN TON (220 KV TOWER)
 - GI BOLTS & NUTS
 - Single Suspension H/W FAH Moose
 - Single Tension H/W for Moose
 - Double Tension H/W for Moose
 - Single tension H/W Earth Wire -7/3.15mm
 - Vibration Dampers for Moose
 - 120KN NORMAL DISC INSULATOR
 - 70 KN NOMAL DISC INSULATOR
 - 7/3.15MM HTGS EARTH WIRE
 - Repair sleeves for Moose
 - PHASE PLATES WITH BOLTS
 - ANTI CLIMBING DEVICES-ME
 - Number Plates
 - DANGER PLATES WITH BOLTS
 - Hangers for Suspen. towers
 - U BOLT 20 MM DIA
 - SUSPENSION CLAMPS FOR 7/3.66 HTC
 - Mid Span Comp. Joints for ACSR Moose
 - ▼ TELECOM MATERIALS
 - ▼ SCHEDULE-B (LABOUR PORTION)
 - ▼ ELECTRICAL & TELECOM WORKS

Costing : SCHEDULE-A (MATERIAL PORTION)

ItemNo	ItemCat	Resource	Description	Remarks	Quantity	BU	Plant/Act.	Material
1	M	70000002	ACSR Moose Conductor		158	KM	3203	203,333
2	M	80000024	GI STEEL IN TON (220 KV TOWER)		39.031	TO	3203	77,066.0
3	M	70000325	GI BOLTS & NUTS		1,999...	KG	3203	67..
4	M	70000128	Single Suspension H/W FAH Moose		7	SET	3203	10.0
5	M	70000135	Single Tension H/W for Moose		12-	SET	3203	10.0
6	M	70000136	Double Tension H/W for Moose		13	SET	3203	10.0
7	M	70000137	Single tension H/W Earth Wire -7/3.15mm		10	SET	3203	2,611..
8	M	70000122	Vbration Dampers for Moose		24	NO	3203	10.0
9	M	70000318	120KN NORMAL DISC INSULATOR		10	NO	3203	10.0

- 10.3 Click on Show/Hide Item View
- 10.4 Click on “Goto” on the Menu bar →select Itemization breakdown on/off. Then you see all items of the schedule including Electrical and Telecom

10.5 Click on “Show Execution Services” icon for PR

The screenshot shows the SAP PR creation interface. At the top, there is a dropdown menu for 'Execution Service' with 'REQU Purchase Requisition' selected. A callout '10.6' points to this dropdown. Below it is a 'Back to costing view' button. A toolbar contains a 'Post' button (callout '10.9'), a 'Select All' button (callout '10.7'), and other icons. The main table is titled 'Purchase Requisition : SCHEDULE-A (MATERIAL PORTION)'. A callout '10.8' points to the 'Long Text' column header. The table contains the following data:

	Long Text	Material	Plant	Quantity	Unit	Delivery date	Purch	Matl Gro	PGr	Total Price	Curren...
M	Single Suspension H/W FAH Mo...	70000128	3203	7	SET	10.07.2017	1000	M104	100	10.00	INR
M	Single Tension H/W for Moose	70000135	3203	12	SET	10.07.2017	1000	M104	100	10.00	INR
M	Double Tension H/W for Moose	70000136	3203	13	SET	10.07.2017	1000	M104	100	10.00	INR
M	Single tension H/W Earth Wire -	70000137	3203	10	SET	10.07.2017	1000	M104	100	2,611.20	INR

10.6 Select “REQU Purchase Requisition” from drop down box

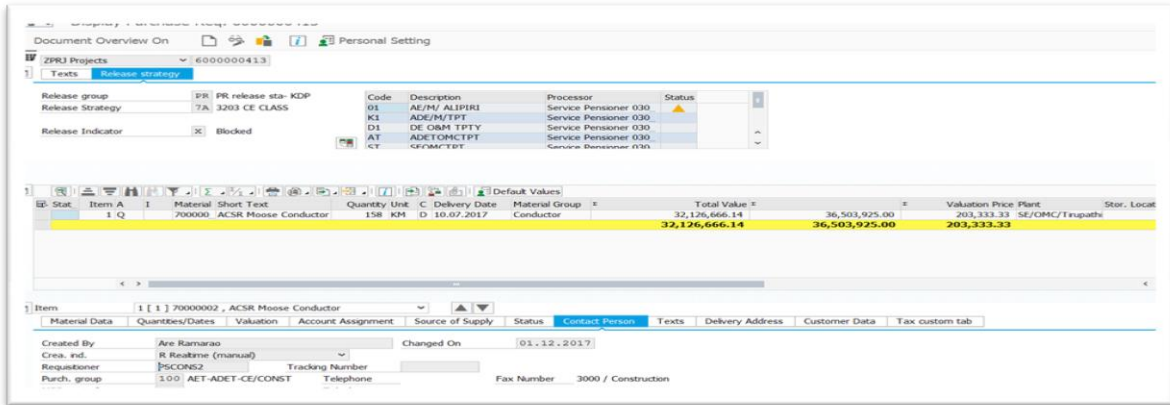
10.6.1 Enter your related PGr-Purchasing Group and 1000 as Purchasing Organization and give the delivery date a “future date”, through mass change(Click on “Select all” icon and change one of the cell and click fast change button)

10.7 Click on “ Select all” icon if you want to create PR for all the items

10.8 Click on “POST” button then PR will be created and can be seen message in the bottom of the screen otherwise click on “LOG” button, available before to “POST” button.

The screenshot shows the 'Display logs' window in SAP. It contains a toolbar with 'Technical Information' and 'Help' buttons. Below the toolbar is a message log table. A callout '10.9' points to the 'Type' column of the log. The log contains the following messages:

Type	Message Text	LTxt
Green square	Purchase requisition number 6000000413 created	
Yellow triangle	Can delivery date be met? (Realistic delivery date: 01.12.2017)	?
Yellow triangle	Error transferring ExtensionIn data for enhancement CI_EBANDB	?



B. Create RFQ from PR

T Code – ME41

After finalization of the ECV and tendering analysis, RFQs can be created for each participant or finalized (L1) Vendor.

Create RFQ : Initial Screen

Reference to PReq Reference to Outline Agreement

4 → 1

2

3

RFQ Type: ZANQ

Language Key: EN

RFQ Date: 15.12.2017

Quotation Deadline: 17.12.2017

RFQ:

Organizational Data

Purch. Organization: 1000

Purchasing Group: 401

Default Data for Items

Item category:

Delivery Date: T

Plant:

Storage Location:

Material Group:

Req. Tracking Number:

1. Select "ZANQ" from search or Type
2. Select Suitable dates
3. Select suitable Purchasing group or Type

4. Select Reference to PReq

11. Create ROW Purchase Requisition

T code – ZPS_PR_UPLOAD

Sl No	Farmer Name	C/o Name+C:KPCJ	Street (Village)	City (Mandal)	District	Postal Code	Loc.No.
1	Smt Doddipatla Narasayamma	W/o Konda(Late)	Vannepudi	Gollaprolu	East Godavari		64/0
2	Smt Velugula Pyditalli	W/o. Kannayya	Lakshnipuram	Gollaprolu	East Godavari		56/9

SF No	During (nature of work)	Service Code	Particulars of Damage	Extent of Damage	Unit	Rate per unit	Aadhaar/ Identification Number
15/2	Stringing work	CROP	Cotton	0.50	ACR	80,000	723317002348.00
15/2,16/4,16/3,16/5,16/6	Erection work	CROP	Paddy	0.1038	ACR	57,750	278456780120.00

The screenshot shows the SAP PR Upload Program interface. The fields are populated as follows:

- Project: SI-17-37-02
- Right of Way WBS: SI-17-37-03-3-02-01
- Purchasing Group: 100
- Upload Path: ao.are\Desktop\ROW_WorkEstimate_Format_zps_pr_upload (2).xlsx

Callouts in the image indicate the following steps:

- 11.1: Points to the District field in the data table above.
- 11.2: Points to the Project field.
- 11.3: Points to the Right of Way WBS field.
- 11.4: Points to the Purchasing Group field.
- 11.5: Points to the Upload Path field.

- 11.1 Maintain the Excel sheet in prescribed format as mentioned
- 11.2 Select your project from F4 or Type WBS Code
- 11.3 Select ROW WBS from F4
- 11.4 Select suitable purchasing group from F4 or Type
- 11.5 Select maintained data as mentioned in 11.1 and then click on Execute button

Display Purchase Req. 300000042

Document Overview On Personal Setting

ZFSP Field Special 300000042

Stat.	Item A	I	Material	Short Text	Quantity	Unit	C	Delivery Date	Material Group	Total Value
1 P	D			Smt Doddipatla Naras...	1	AU	D	01.12.2017	Other Civil Wor...	40,000.00
2 P	D			Smt Yekugula Pydikali	1	AU	D	01.12.2017	Other Civil Wor...	6,006.00
3 P	D			Sri Naikka Srinivasa Rao	1	AU	D	01.12.2017	Other Civil Wor...	5,920.00
4 P	D			Sri Janapaneedi Durga...	1	AU	D	01.12.2017	Other Civil Wor...	97,396.00
5 P	D			Sri Nagareddy Subbarao	1	AU	D	01.12.2017	Other Civil Wor...	8,480.00
6 P	D			Sri Rayavarapu Veera...	1	AU	D	01.12.2017	Other Civil Wor...	12,776.00
7 P	D			Sri Mummidi Rambabu	1	AU	D	01.12.2017	Other Civil Wor...	10,702.00
8 P	D			Sri Mummidi Rambabu	1	AU	D	01.12.2017	Other Civil Wor...	7,845.55
9 P	D			Sri Garaga Naga Suryu...	1	AU	D	01.12.2017	Other Civil Wor...	6,179.25
10 P	D			Smt Kakketo Chakaram...	1	AU	D	01.12.2017	Other Civil Wor...	15,120.00
11 P	D			Sri Malreddy Rudrayya	1	AU	D	01.12.2017	Other Civil Wor...	15,000.00
12 P	D			Smt Ayanampudi Sree...	1	AU	D	01.12.2017	Other Civil Wor...	550,378.00
13 P	D			Sri Somarouthu Surya...	1	AU	D	01.12.2017	Other Civil Wor...	5,986.20
14 P	D			Sri Jyothula Suryanara...	1	AU	D	01.12.2017	Other Civil Wor...	40,680.00
15 P	D			Sri Somarouthu Nagan...	1	AU	D	01.12.2017	Other Civil Wor...	5,986.20
16 P	D			Smt Jagatha Akkala	1	AU	D	01.12.2017	Other Civil Wor...	10,212.00
17 P	D			Smt Pakala Kanaka La...	1	AU	D	01.12.2017	Other Civil Wor...	8,736.00
18 P	D			Sri Madhala Dasavathi	1	AU	D	01.12.2017	Other Civil Wor...	18,000.00

Item: 1 1 1 Smt Doddipatla Narasayamma

Material Data | Quantities/Dates | Valuation | Account Assignment | Source of Supply | Status | Contact Person | Texts | Delivery Add

Created By: Are Ramarao | R Realtime (manual) | Changed On: 01.12.2017

Requester: PSC/CONS2 | Tracking Number: | Telephone: | Fax Number: 3000 / Construction

Purch. group: 1.00 AET-ADET-CE/CONST | Telephone: | Fax Number: 3000 / Construction

MRP controller: | Telephone: | Fax Number: 3000 / Construction

12. M-BOOK

Portal Link -- <http://epprd.hec.aptransco.gov.in:50000/irj/portal>

A. Create M-BOOK - Only for DEs

Select M-Book Type

M-Book For Projects

M-Book For Maintenance

Scheme: -14-07 400/220KV SS AT PODILI, PRAKASHAM DIST.

Project: -14-07-01 132KV LILO TO KANDUKUR FROM KADUK-KAVALI

* Purchase Order: 300000651

Created For: 30004871 AEE-3/PM1/Division-1/AEPM Construction

(First Approver/Optional): 30004902

Second Approver: 30004890

MBook Number:

MBook Page Number: 0.0

Measurement Date:

M-Book Created Date:

M-Book Status:

Search Generate M-Book

View: [Standard View]	Print Version	Export	Create M-Book Page	Edit Page	Display	Submit Page						
AE Position	Purchase Order	MBook Page Number	MBook Number	Measurement Date	M-Book Created Date	Scheme	Project	Status	Deletion Indicator	Employee ID (Creator)	First Approver	Second Approver
30004871	500000651	0.0	0000000306	19.01.2018	19.01.2018						30004902	30004890
30004871	500000651	1.0	0000000306	23.01.2018	19.01.2018			DECK			30004902	30004890
30004871	500000651	2.0	0000000306	08.02.2018	19.01.2018			DECK			30004902	30004890
30004871	500000651	2.1	0000000306	08.02.2018	19.01.2018			CREAT			30004902	30004890
30004871	500000651	2.2	0000000306	08.02.2018	19.01.2018			CREAT			30004902	30004890
30004871	500000651	3.0	0000000306	09.02.2018	19.01.2018			DECK			30004902	30004890

- 12.1 Select Scheme ID from F4 or Type
- 12.2 Select Suitable Project ID from F4 or Type
- 12.3 Select suitable PO number from F4 or Type
- 12.4 Select Suitable AE position ID from F4 or Type and First & Second approver
- 12.5 Select date from calendar from which date you need M-BOOK
- 12.6 Click on Generate M-BOOK button

B. Search for M-BOOK

The screenshot shows the SAP M-BOOK search interface. It includes a 'Select M-Book Type' section with radio buttons for 'M-Book For Projects' and 'M-Book For Maintenance'. Below this are input fields for Scheme, Project, Purchase Order (5000000651), Created For (30004871), (First Approver)(Optional) (30004902), Second Approver (30004890), MBook Number, MBook Page Number (0.0), Measurement Date, M-Book Created Date, and M-Book Status. A 'Search' button is located below these fields. A table below the form displays search results with columns: AE Position, Purchase Order, MBook Page Number, MBook Number, Measurement Date, M-Book Created Date, Scheme, Project, Status, Deletion Indicator, Employee ID (Creator), First Approver, and Second Approver. The table contains six rows of data. Callouts 12.7 through 12.10 point to specific elements: 12.7 points to the Purchase Order field, 12.8 to the Search button, 12.9 to the MBook Number field, and 12.10 to the 'Create M-Book Page' button in the table's toolbar.

AE Position	Purchase Order	MBook Page Number	MBook Number	Measurement Date	M-Book Created Date	Scheme	Project	Status	Deletion Indicator	Employee ID (Creator)	First Approver	Second Approver
30004871	5000000651	0.0	0000000306	23.01.2018	19.01.2018						30004902	30004890
30004871	5000000651	1.0	0000000306	08.02.2018	19.01.2018			DECK			30004902	30004890
30004871	5000000651	2.0	0000000306	08.02.2018	19.01.2018			DECK			30004902	30004890
30004871	5000000651	2.1	0000000306	08.02.2018	19.01.2018			CREAT			30004902	30004890
30004871	5000000651	2.2	0000000306	08.02.2018	19.01.2018			CREAT			30004902	30004890
30004871	5000000651	3.0	0000000306	09.02.2018	19.01.2018			DECK			30004902	30004890

- 12.7 Type or Select your PO number from F4 and Position number which you want to search for
- 12.8 Click on Search Button for your M-BOOK which is DE created
- 12.9 Select M-BOOK number on the bottom side of the panel to create M-BOOK Page
- 12.10 Click on Create M-BOOK Page

C. Create and Submit M-BOOK Page

The screenshot shows the SAP M-BOOK page creation and submission interface. It includes a form with fields for MBook Page Number (0.0), Scheme (SI-17-01), Created By (PSCONS1), Status, Deletion Indicator, Contractor Acceptance, Project (SI-17-01-02), Measurement Date (03.12.2017), Contractor (M/S TANAND MOHAN), Purchase Order (5000000175), and Name of the Work. A 'BACK to Overview' button is at the bottom left. Below the form is a table with columns: SI.No, SCHEDULE, Schedule Description, PO Item, PO Item Description, Subitem, and Sub Item Description. The table contains one row of data. Callouts 12.11 through 12.16 point to specific elements: 12.11 points to the Project field, 12.12 to the Measurement Date field, 12.13 to the 'Check' button in the table's toolbar, 12.14 to the 'Append Row' button, 12.15 to the 'Delete Row' button, and 12.16 to the 'Save Mbook Page' button.

SI.No	SCHEDULE	Schedule Description	PO Item	PO Item Description	Subitem	Sub Item Description
1	SI-17-01-02-2-02-06	CONTROL HOUSE AND BAY KIOSKI	39	CIVIL WORKS	7	RCC M20 FOR FOOTINGS

12.17

Check	Append Row	Delete Row	Measurement Details	Save Mbook Page	Remarks	
Description	Order Quantity	UOM	Measured Quantity	Present Quantity	Deviation Quantity	Remarks
R FOOTINGS	1.030	M3	0.000	0.000	0.00000	

- 12.11 Select your Project from F4
- 12.12 Select Measurement date from Calendar, back date is also possible but make sure it should not be M-Book Creation date
- 12.13 Click on Append ROW
- 12.14 Select the schedule from F4
- 12.15 Select the item from F4 for which you want to create measurements
- 12.16 Select Sub item from F4
- 12.17 Click on Measurement Details to record Measurements.
- 12.18 Click on APPEND ROW
- 12.19 Write Description of your measurement, this is Mandatory***
- 12.20 Select Cut point/Main item
- 12.21 Select Location/item (for which you are doing measurements)
- 12.22 Based on your measurement type can be input your values in mentioned heads, system provides you the calculated value. For Ex:- PIT Excavation – LXBXD
- 12.23 Select Check box if that item has PERT penalty and how many months in next column
- 12.24 Click on Confirm Measurements button

M-Book > M-Book > M-Book Application

Service Information

Service Item: 000000001 LEVELING WITH CUT&FIL MECH.MEANS

Service Long Text:

[Back to Abstract](#)

View: * [Standard View] Print Version Export Check Append Row Delete Row

Me	Description of It...	Network ID	Network Description	Loc.ID/SS It...	Location Description
1	LEVELING	4001840	Switchyard Foundations	0010	Lattice Structures (132KV & 3...

TWR TYPE	Foundation ...	Number...	Pits	Length	Breadth	Depth	Kg/m	Qty
		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	35.00000

Total Qty	UOM	P...	No.of...	A...	ADE Che...	D...	DE Check Measured Date
35.00000	M3	<input type="checkbox"/>	0	<input type="checkbox"/>		<input type="checkbox"/>	
▪ 35.00000							

12.23

12.27

12.26

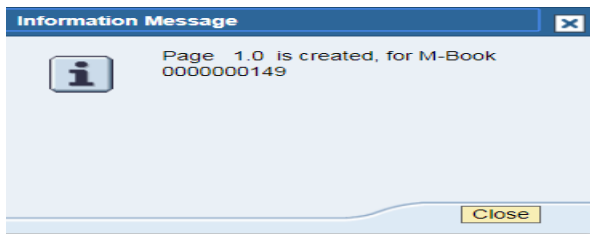
Order Quantity	UOM	Measured Quantity	Present Quantity	Deviation Quantity	Remarks
807.475	M3	0.000	35.000	0.00000	

Confirm Measurements

12.24

12.25

- 12.25 Check your Present Measured Qty and any Deviation Qty
- 12.26 Click on the Remarks button if you have any remarks to write
- 12.27 Click on Save MBOOK page button to save the page. Popup message with Page no.



M-Book For Projects

M-Book For Maintenance

Scheme:

Project:

* Purchase Order: 5000000175

Created For: 50003254

MBook Number:

MBook Page Number: 0.0

Measurement Date:

M-Book Created Date:

M-Book Status:

Assistant Engineer Four

Search Generate M-Book

View: [Standard View] | Print Version | Export | Create M-Book Page | Edit Page | Display | Submit Page

AE Position	Purchase Order	MBook Page Number	MBook Number	Measurement Date	M-Book Created Date	Scheme	Project	Status	Deletion Indicator	Employee ID (Creator)
50003254	5000000175	0.0	0000000149	01.12.2017	01.12.2017	SI-17-01	SI-17-01	CREAT		
50003254	5000000175	1.0	0000000149	03.12.2017	01.12.2017	SI-17-01	SI-17-01-02	CREAT		

12.28

12.30

12.29

- 12.28 Click on Search button
- 12.29 Select your Page which you want to submit

- ✓ Before submitting the page, Run the transaction MIGO to record the Materials used for that particular services and Page.

D. Material account statement – 221Q

Goods Issue Other - Are Ramarao

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R10 Other | GI project for proj. 221 Q

General | **i**

Document Date: 11.12.2017 | Material Slip:
 Posting Date: 11.12.2017 | Doc.Header Text:
 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	EUn	SLoc	WBS Element	G/L
1	ACSR Moose Conductor	✓	0.000				

Delete | Contents

Material | Quantity | Where | Account Assignment

Material: ACSR Moose Conductor | 70000002

ii

Quantity | Where

Qty in Unit of Entry: 123

iii

Where | Account Assignment

Movement type: 221 Q | GI project for proj. | Stock type: Unrestricted use

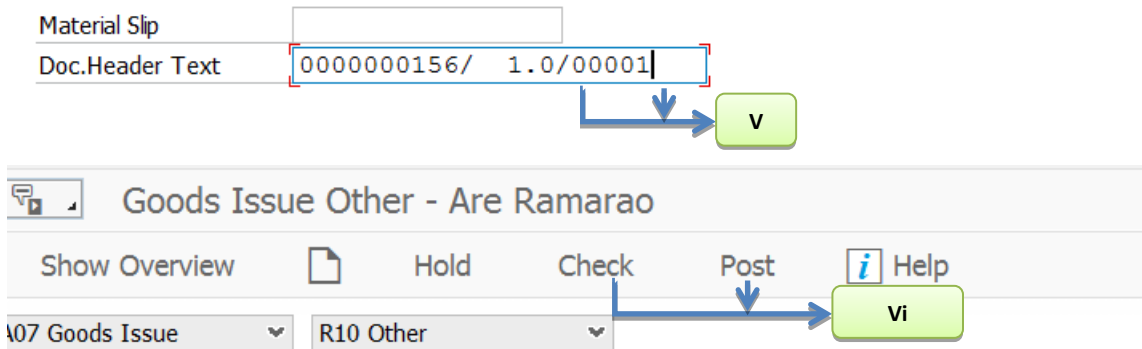
WBS Element: SI-17-72-01-2-01-01

Plant: SE/OMC/Tirupathi | 3203

Storage Location: 132KV TIRUPATI | K037

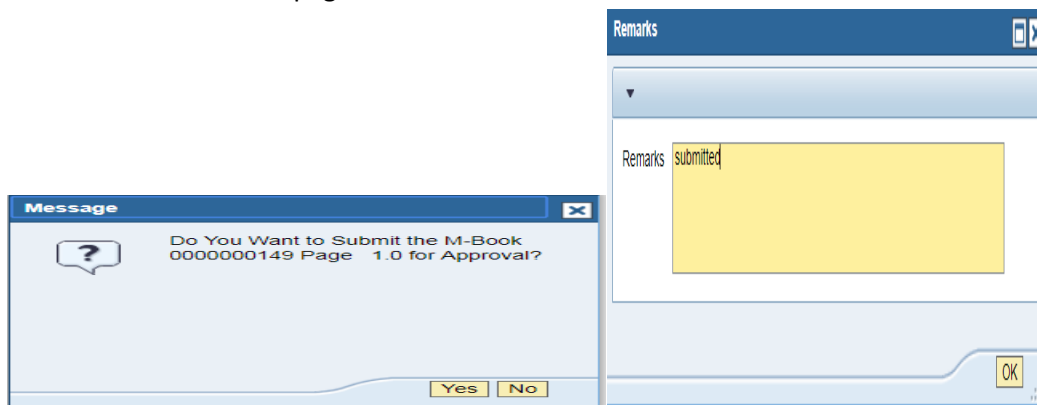
Goods recipient:
 Unloading Point:

iv



- i. Select "Goods Issue" and "Other" from the Drop down box.
- ii. Select or Type material code which consumed for Service
- iii. Enter Qty and Press Enter button
- iv. Select your material WBS Element (to find out Material WBS Element go to PO→material item View→Purchase Order History→click on the 105 Document....Generally, Storage location is one for one Project), Plant and Storage Location.
- v. Click on "Doc.Header Text" field and click "F4" on Keyboard, select your M-Book Page Number, then Click OK button in the bottom of the screen.
- vi. Click "Check" and make sure you don't have any errors and then "POST"

12.30 Click on Submit page button and Write the Remarks.



E. Approve or Check Measure M-BOOK Page – Only for ADEs, Des

MBook Number	MBook Page Number	Created By	Created by Employee	Status
000000102	3.0	PSCONS2	Rama Rao Are	SUBMI
000000149	1.0	PSCONS2	Rama Rao Are	SUBMI

12.31 Select M-BOOK Approval Application, can be seen Right side panel how many pages are pending

12.32 Select Check Measure button if you want to check Measure

MBook Number	MBook Page Number	Created By	Created by Employee	Status	Created Position
000000153	1.0	PSCONS2	Rama Rao Are	ADECK	50003255
000000149	1.0	PSCONS2	Rama Rao Are	ADECK	50003254
000000154	1.0	PSCONS2	Rama Rao Are	ADECK	50003254
000000154	3.0	PSCONS2	Rama Rao Are	ADECK	50003254
000000154	2.1	PSCONS2	Rama Rao Are	ADECK	50003254
000000154	2.0	PSCONS2	Rama Rao Are	ADECK	50003254

SI.No	SCHEDULE	Schedule Description	PO Item	PO Item Description	Subitem	Sub Item Description
1	BL-16-06-01-3-01-01	ELECTRICAL SCHEDULE	3	Conductor Stringing	1	STRNGING OF POWER CONDUCTOR- 6NO MOOSE
2	BL-16-06-01-3-01-01	ELECTRICAL SCHEDULE	2	220KV Tower Erection	1	SETTING OF STUBS WITH TEMPLATE-A,B,C,D

Months delayed	ADE Check Measured	ADE Check Measured Date	DE Check Measured	DE Check Measured Date
0	<input type="checkbox"/>		<input checked="" type="checkbox"/>	11.12.2017
0	<input type="checkbox"/>		<input type="checkbox"/>	

12.33 Select Page and Click on Check Measure

12.34 Select item and click on “Measurement Details” and click on “View attachments” if required

12.35 Click Check Box and Mention the date Mandatory* , for any Remarks click on ADE/DE

Remarks

12.36 Click on Approve button directly if no need of Check Measure

12.37 Click on Reject button and click on Remarks if needed

13. Service Entry Sheet

Portal Link -- <http://epprd.hec.aptransco.gov.in:50000/irj/portal>

A. Search Service Entry Sheet

The screenshot shows the SAP Service Entry Overview screen. The breadcrumb trail is: Service Entry Application > Service Entry > PS:Service Entry Application. The main area is titled 'Service Entry Overview' and contains several input fields with search icons:

- Purchase Order: 5000000101 (Annotation 13.1 points to this field)
- * Up to Date: 11.12.2017 (Annotation 13.2 points to this field)
- Service Entry Sheet: (empty)
- Position: 50003254 Assistant Engineer Four
- Status: (empty)
- Search button: (Annotation 13.3 points to this button)

Below the input fields, there is a table with the following data:

SE NO	Scheme	Up to Date
00000119	BL-16-05	07.12.2017

At the bottom of the screen, there are options for 'View: [Standard View]', 'Print Version', 'Export', and 'Create Service E'.

- 13.1 Type suitable service Purchase Order or from F4
- 13.2 Select Up to Date from F4 or Type.
- 13.3 Click on Search button; get all the SE numbers as on that date with Status.

✓ Also can be search with SES number, Position ID and Status

B. Create Service Entry Sheet

- ✓ Generally, this action will be done by Electrical AE, does not mean that others AEs cannot be done. Any AE can be creating which is having M-BOOK under this Purchase Order.
- ✓ To create Service Entry Sheet, Perform the actions from 13.1 to 13.12

Service Entry Overview

Purchase Order: 5000000101
 * Up to Date: 11.12.2017
 Service Entry Sheet:
 Position: 50003254 Assistant Engineer Four
 Status:

View: [Standard View] | Print Version | Export | Create Service Entry | Edit Service Entry | Display Service Entry | Cancel Service Entry | FORM-14

SE NO	Scheme	Up to Date	Purchase Order	Created By	Status
00000119	BL-16-05	07.12.2017	5000000101	PSCONS2	SUBMI

13.4

Service Entry Create

[Back to overview](#)

Service Entry Sheet: 00000000 | Up to Date: 12.12.2017 | Created By: PSCONS2
 Scheme: BL-16-05 | Scheme Description: EXT OF 132 KV SUPPLY TO BARC... | Purchase Order: 5000000101
 Contractor No: 0000100018 | Name: M/s TANAND MOHAN | LS Agreement No: 11/2017-18
 Date of commencement: 18.07.2017 | Due Date of Completion: 17.07.2018 | Face value of Agrmen: 37,735,143.96
 Previous Bill no: 2ND AND PART BILL | * Present Bill no: 3rdCC PART BILL | Present Billing Amnt: 0.00
 Contractor Acceptanc: | PERT penalty Amount: 0.00 | Adhoc Recoveries: 0.00
 Other Recoveries1: 0.00 | Other Recoveries 2: 0.00 | Other Recoveries 3: 0.00

13.5

View: [Standard View] | Print Version | Export | Save | Attach | Submit

Sl.No	PO Item	PO Item Description	Subitem	Sub Item Description	Schedule	Schedule Description
1	2	220KV TOWER ERECTION	1	SETTING OF STUBS WITH TEMPLATE-A,B,C,D	BL-16-05-01-3-01-01	ELECTRICAL SCHE

Sl.No	PO Item	PO Item Description	Subitem	Sub Item Description	Schedule	Schedule Description	PO Item Qty
1	2	220KV TOWER ERECTION	1	SETTING OF STUBS WITH TEMPLATE-A,B,C,D	BL-16-05-01-3-01-01	ELECTRICAL SCHEDULE	17.0000
3	5	LINE CIVIL ITEMS	10	PCC(1:4:8) WITH 40 MM HBG TWIR LINES	BL-16-05-01-3-02-01	CIVIL SCHEDULE-1 (NORMAL WORKS)	8.0000
4	5	LINE CIVIL ITEMS	11	HYSD/TMT FE415 GRADE STEEL REINFORCEMENT	BL-16-05-01-3-02-01	CIVIL SCHEDULE-1 (NORMAL WORKS)	14.0000
5	5	LINE CIVIL ITEMS	13	RCC M20 WTH 20&12 HBG METAL (2:1) TWRL	BL-16-05-01-3-02-01	CIVIL SCHEDULE-1 (NORMAL WORKS)	441.0000

13.6

Export | Save | Attach | Submit

PO Item Qty	SES Done sofar	Due Quantity to be billed	Present Billing Qty	UOM	Unit Price	Total Price
17.0000	0.0000	1,000.0000	0.0000	NO	2,323.00	
8.0000	0.0000	25.0000	0.0000	M3	5,656.00	
14.0000	0.0000	250.0000	0.0000	TO	2,323.00	
441.0000	0.0000	200.0000	0.0000	M3	3,535.00	

Measurement Details

Purchase Order Details

Purchase Order: 5000000101
 Purchase order item: 00002
 PO Item Description: 220KV TOWER ERECTION
 Subitem: 0000000001 SETTING OF STUBS WITH TEMPLATE-A,B,C,D

View: [Standard View] | Print Version | Export

MBook Number	MBook Page Number	Measurement Item Number	Description of Item	Measurement Date	Due Quantity to be billed	Present Qty	UOM
0000000104	3.0	1	STRINGING OF CONDUCTOR	02.12.2017	26.000000	17.000000	KM
0000000104	1.0	1	ERECTION OF 220KV TOWER	04.12.2017	1,000.000000	0.000000	NO
					974.000000	17.000000	

Confirm | Cancel

13.7

- 13.4 Click on " Create Service Entry sheet"
- 13.5 **Write the description of "Present Bill No" Mandatory***
- 13.6 Click on each line and see that details are accurate
- 13.7 Click on "Confirm" button for line item
- 13.8 Click on "SAVE" button, Popup appears with SES number
- 13.9 Select new SES number line
- 13.10 Click on "Edit Service Entry"

Service Entry Create

[← Back to overview](#)

Service Entry Sheet: 00000155 Up to Date: 12.12.2017
 Scheme: BL-16-05 Scheme Description: EXT OF
 Contractor No: 0000100018 Name:
 Date of commencement: 18.07.2017 Due Date of Completion: 17.07.2017
 Previous Bill no: 2ND AND PART BILL * Present Bill no: 3RDCC
 * Contractor Acceptanc: PERT penalty Amount:

View: [Standard View] | Print Version | Export | Save | Attach | Submit

SI.No	PO Item	PO Item Description	Subitem	Sub Item Description
1	2	220KV TOWER ERECTION	1	SETTING OF STUBS WITH TEMP
3	5	LINE CIVIL ITEMS	10	PCC(1:4:8)
4	5	LINE CIVIL ITEMS	11	HYSD/TMT
5	5	LINE CIVIL ITEMS	13	RCC M20 W

Service Entry Overview

Purchase Order: 5000000101
 * Up to Date: 12.12.2017
 Service Entry Sheet:
 Position: 50003254 Assistant Engineer Four
 Status:
 Search

View: [Standard View] | Print Version | Export | Create Service Entry | Edit Service Entry | Display Service Entry | Cancel Service Entry | FORM-14






SE NO	Scheme	Up to Date	Purchase Order	Created By	Status
00000119	BL-16-05	07.12.2017	5000000101	PSCONS2	SUBMI
00000155	BL-16-05	12.12.2017	5000000101	PSCONS2	CREAT

View: [Standard View] | Print Version | Export | Save | Attach | Submit

SI.No	PO Item	PO Item Description	Subitem	Sub Item Description
1	2	220KV TOWER ERECTION	1	SETTING OF STUBS WITH TEMP

13.11 Click on “Attach” icon to attach required files

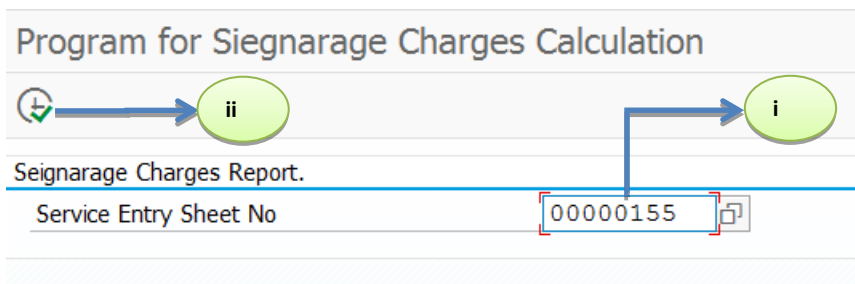
Before submitting the Services Entry sheet, mandatorily attach the below files.

-  Seignorage Report
-  Contractor Acceptance Report- FORM-14
-  Penalties Report
-  Material Account statement
-  Others if any

C. Create Seignorage Report

T- Code -- ZPS_SEIGN_CHRG

- i. Type or Search SES number
- ii. Click on Execute
- iii. Type “LP01”
- iv. Click on “Print preview”



The screenshot shows the SAP Print dialog box with the following fields and sections:

- Print:** (Title bar)
- Output Device:** lp01
- Page selection:** (Empty field)
- Spool Request:**
 - Name: SMART PSCONS2
 - Title: (Empty field)
 - Authorization: (Empty field)
- Spool Control:**
 - Print Now
 - Delete After Output
 - New Spool Request
 - Close Spool Request
 - Spool Retention: 8 Day(s)
 - Storage Mode: 1 Print only
- Number of Copies:**
 - Number: 1
 - Group (1-1-1,2-2-2,3-3-3,...)
- Cover Page Settings:**
 - SAP cover page: Do Not Print
 - Recipient: (Empty field)
 - Department: (Empty field)
- Buttons:** Print preview, Print, Close

Annotations: A green circle labeled 'iii' points to the Output Device field. A green circle labeled 'iv' points to the Department field.

v. Click "Go to" on menu bar → PDF view

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

SEIGNIORAGE CHARGES STATEMENT

Name Of The Work : ERECTION OF 220KV TOWER FROM 220KV DUVVA SS TO NIDADAVOLU SS

Agmnt No: 11/2017-18

Bill No: 3RDCC PART BILL

Service PO No: 5000000101 **Service Entry No:** 00000155

	Metal (Rs)	Sand (Rs)	Gravel (Rs)	Bricks(Rs)
Seigniorage Rates	75.00	50.00	30.00	0.06

ITEM DETAILS				METAL		SAND		GRAVEL / EARTH		BRICKS		SEIGNIORAGE AMOUNTS	
SI No	Service Code	Item Desc	Bill Qty	UOM	MF	Seign Amt	MF	Seign Amt	MF	Seign Amt	MF	Seign Amt	Tot Seign Amt
1	PCC-148-01-TL	PCC(1:4:8) WITH 40 MM HBG TWR LINES	8.000	M3	0.90	540.00	0.450	180.00	0.000	0.00	0.000	0.00	720.00
2	RCC-M20-03-TL	RCC M20 WTH 20&12 HBG METAL (2:1) TWRL	200.000	M3	0.90	13500.00	0.450	4,500.00	0.000	0.00	0.000	0.00	18000.00
SUB TOTALS						14040.00		4,680.00		0.00		0.00	18720.00
												DMF Amt @ (30%)	5,616.00
												MERT Amt @ (2%)	374.40
												Total Seigniorage Amount:	24710.40

RUPEES: TWENTY FOUR THOUSAND SEVEN HUNDRED TEN RUPEES FORTY PAISE ONLY

D. Contractor Acceptance for SES – FORM14

Get the contractor signatures on Workbill/FORM-14 and attach to SES as mentioned above before submitting.

Service Entry Application > Service Entry > PS Service Entry Application

Service Entry Overview

Purchase Order: 5000000101

* Up to Date: 12.12.2017

Service Entry Sheet: []

Position: 50003254 Assistant Engineer Four

Status: [] Search

View: [Standard View] | Print Version | Export | Create Service Entry | Edit Service Entry | Display Service Entry | Cancel Service Entry | FORM-14

SE NO	Scheme	Up to Date	Purchase Order	Created By	Status
00000119	BL-16-05	07.12.2017	5000000101	PSCONS2	SUBMI
00000155	BL-16-05	12.12.2017	5000000101	PSCONS2	CREAT

- i. Select suitable SES
- ii. Click on "FORM-14" and save in Desktop to attach in SES

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

FORM-14 / Work Bill

Name Of the Work :-ERECTION OF 220KV TOWER FROM 220KV DUVVA SS TO NIDADAVOLU SS

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Service Entry No</td><td>00000155</td></tr> <tr><td>Purchase Order</td><td>5000000101</td></tr> <tr><td>External Po</td><td></td></tr> <tr><td>Scheme</td><td>BL-16-05</td></tr> <tr><td>Technical Sanction No</td><td>CRNDCL705</td></tr> <tr><td>Date of comencement</td><td>18.07.2017</td></tr> <tr><td>Due Date of Completion</td><td>17.07.2018</td></tr> <tr><td>LS Agreement No</td><td>11/2017-18</td></tr> </table>	Service Entry No	00000155	Purchase Order	5000000101	External Po		Scheme	BL-16-05	Technical Sanction No	CRNDCL705	Date of comencement	18.07.2017	Due Date of Completion	17.07.2018	LS Agreement No	11/2017-18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Contractor No</td><td>0000100018</td></tr> <tr><td>Contractor Name</td><td>M/s T.ANAND MOHAN</td></tr> <tr><td>Present Bill No</td><td>3RDCC PART BILL</td></tr> <tr><td>Billing Up to Date</td><td>12.12.2017</td></tr> <tr><td>Billing Month</td><td>DEC-2017</td></tr> <tr><td>Face Value of agreement</td><td>37,735,143.96</td></tr> <tr><td>Present Billing Amount</td><td>824,261.00</td></tr> </table>	Contractor No	0000100018	Contractor Name	M/s T.ANAND MOHAN	Present Bill No	3RDCC PART BILL	Billing Up to Date	12.12.2017	Billing Month	DEC-2017	Face Value of agreement	37,735,143.96	Present Billing Amount	824,261.00
Service Entry No	00000155																														
Purchase Order	5000000101																														
External Po																															
Scheme	BL-16-05																														
Technical Sanction No	CRNDCL705																														
Date of comencement	18.07.2017																														
Due Date of Completion	17.07.2018																														
LS Agreement No	11/2017-18																														
Contractor No	0000100018																														
Contractor Name	M/s T.ANAND MOHAN																														
Present Bill No	3RDCC PART BILL																														
Billing Up to Date	12.12.2017																														
Billing Month	DEC-2017																														
Face Value of agreement	37,735,143.96																														
Present Billing Amount	824,261.00																														

TOTAL AMOUNT (Exclusive of Tax): 824,261.00

Schedule Description	PO Item	Sub Item	Sub Item Description	Order Qty	SS Done So Far	Due Quantity To Be Billed	Present Billing Qty	UOM	Unit Price	Total Price Exclusive of Tax	PERT Amount
ELECTRICAL SCHEDULE	00002	0000000001	SETTING OF STUBS WITH TEMPLATE-A,B,C,D	17.000	0.000	1,000.000	17.000	NO	2,323.00	39,491.00	0.00

M-Book No	Page No.	Measurement Date	Present Measurement Qty	PERT	Months	ADE Check Measure Date	DE Check Measure Date
104	3.0	02.12.2017	17.000		0		
104	1.0	04.12.2017	0.000		0	04.12.2017	04.12.2017

Schedule Description	PO Item	Sub Item	Sub Item Description	Order Qty	SS Done So Far	Due Quantity To Be Billed	Present Billing Qty	UOM	Unit Price	Total Price Exclusive of Tax	PERT Amount

E. Penalties, Recoveries Report

T-Code – ZMM_PC_REP

Penalty Calculation Report

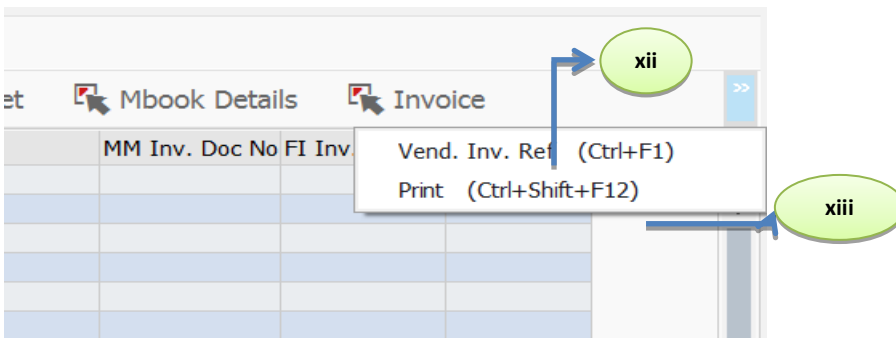
ii

Material Document		to		➔
Material Doc. Year		to		➔
Plant		to		➔
Purchasing document	5000000101	to		➔
Item		to		➔
Vendor		to		➔
Standard Service Entry		to		➔
Penalty Type		to		➔
Custom Service Entry		to		➔
Penalty Calculation Date		to		➔
Status		to		➔

i

Penalty Calculation Report

PO Number	PO Item	Vendor	Material/Service Entry	Recovery Desc	Short Text	Gross Price	Material Document	Doc.Item	Name	Quantity	Work End Date	Date of Receipt	Duration of Delay	Date of Calculation	Recovery Rate	Rec
6000000545	1	0000100018	PLSTR-12-14-TWRL	Seignorage	PLASTERING IN CM (1-4) 12 MM-T	0.00	5000003059	1	Samantha Enterprises	73.000				04.10.2017	0.00	
6000000545	6	0000100018	RST-RCC-01	Seignorage	HYSD/TTO BAR REINFORCEMENT	0.00	5000003050	5	Samantha Enterprises	3.224				05.10.2017	533.42	1
6000000545	2	0000100018	PCC-124-03-TL	Part Service	PCC M20 WTH 20 & 12 HBG METAL	5,379.83	5000003051	1	Samantha Enterprises	24.750				14.09.2017	0.00	
6000000545	3	0000100018	RRM-CRR-01	Part Service	CONSTRUCTION OF RR MASONRY IN	3,060.35	5000003051	2	Samantha Enterprises	42.375				14.09.2017	0.00	2
6000000545	6	0000100018	RST-RCC-01	Part Service	HYSD/TTO BAR REINFORCEMENT	61,542.90	5000003051	3	Samantha Enterprises	8.624				14.09.2017	0.00	3
6000000545	2	0000100018	PCC-124-03-TL	Retention	PCC M20 WTH 20 & 12 HBG METAL	5,379.83	5000003051	1	Samantha Enterprises	24.750				14.09.2017	10.00	1
6000000545	3	0000100018	RRM-CRR-01	Retention	CONSTRUCTION OF RR MASONRY IN	3,060.35	5000003051	2	Samantha Enterprises	42.375				14.09.2017	10.00	1
6000000545	6	0000100018	RST-RCC-01	Retention	HYSD/TTO BAR REINFORCEMENT	61,542.90	5000003051	3	Samantha Enterprises	8.624				14.09.2017	10.00	5
6000000545	2	0000100018	PCC-124-03-TL	Seignorage	PCC M20 WTH 20 & 12 HBG METAL	0.00	5000003059	2	Samantha Enterprises	43.125				04.10.2017	0.00	
6000000545	1	0000100018				0.00	5000003050	1	Samantha Enterprises	73.000				14.09.2017	0.00	



- i. Type or Search suitable Purchase Order to calculate all Penalties and Recoveries and then click on Execute button
- ii. Type Material Document (105) for Material related
- iii. Select the Line and Click on “Change” button, if you want to correct the Penalty Value
- iv. Select the Line and Click on “Waive” button, if Waiver is approved
- v. Select the Line and Click on “Status” button for Line status
- vi. Select the Line and Click on “Manual” button to create Manual entry with any reference of the line item

- a. Type or Select from F4
- b. Enter your Penalty amount and click on “SAVE” button
- c. Click on Back button
- d. Click on Refresh button

PO Number	PO Item	Vendor	Material/Service Entry	Recovery Desc
6000000545	1	0000100018	PLSTR-12-1:4-TWRL	Seignarage
6000000545	6	0000100018	RST-RCC-01	Seignarage

- vii. Select the Line and Click on “Manual w/o reference” button to create Manual entry without any reference of the line item

Manual Penalty without reference

Select one

Material

Service

Execute

a

Manual Penalty without reference

Service Entry

Service Item

Material Doc.

Mat. Doc. Year

Mat. Doc.Item 0

Purchasing doc.

Item 0

Vendor

Quantity 0.000

Penalty Type AD

Penalty Value 9999

Get Details

b,c

Penalty Type	Short Descript.
PM	Pert Material
OM	Normal Penalty Material
PS	Pert Service
OS	Normal Penalty Service
RET	Retention
SR	Seignarage
AD	Adhoc
OT1	Mbook Others1
OT2	Mbook Others2
OT3	Mbook Others3
OT	Others
ASD	Additional Security Dep
PSD	Perform Security Dep
ADV	Against Advance

14 Entries found

- a. Select suitable radio button and then click on Execute button
- b. Select suitable Penalty type or search from F4
- c. Enter penalty amount and click on "SAVE" button and Back button.

- viii. Select the Line and Click on "Remarks" button
- ix. Select all and click on "Reset" button if max CAP of the penalty percentage changed in the PO
- x. Select the Line and click on "M-BOOK details" if needs the details.
- xi. Select the Line and click on the "Invoice" button to update invoice document number, this will be done by Finance

- xii. Select the Line and click on “ Ven.Inv.Ref.No” , can be updated multiple lines at a time. Select lines and click on “Ven.Inv.Ref.No”.
- xiii. Click on “Print” button and this print will refer same Ven.Inv.Ref.Number

Print:

Output Device: LP01 Beispieldrucker. Mit SPAD anpass

Page selection: []

Spool Request

Name: LP01 PSCONS2

Title: []

Authorization: []

Spool Control

Print Now

Delete After Output

New Spool Request

Close Spool Request

Spool Retention: 8 Day(s)

Storage Mode: 1 Print only

Number of Copies

Number: 1

Group (1-1-1,2-2-2,3-3-3,...)

Cover Page Settings

SAP cover page: Do Not Print

Recipient: []

Department: []

Print preview Print [X]

- a. Type “LP01”
- b. Click on “Print Preview” and then Click on “EDIT” in menu bar → PDF preview



STATEMENT OF PENALTIES AND RECOVERIES

PO.No	6000000545	Date of Calculation	05.10.2017
Name of the Work		Vendor Invoice Reference	123456
Name of the Contractor	Samantha Enterprises	Status By	PSCORE2
Custom Service Entry No	112	Status On	05.10.2017
GR No.	1000001220		
Form 13 No.			

PO.Itm No	Material/Service Entry	Short Text	GROSS PRICE (Incl. Of taxes)	Qty	Recovery Desc	Recovery Rate (%)	Recovery Value (Rs.)	Manual Recovery Value	Status	Waiver Value	Final Penalty	Remarks
00001	PLSTR-12-1:3-TWRL	PCC M- 20 Nominal mix (Cement	0.00	39.750	Seignarage	0.00	31.30	0.00	CALCULATED	0.00	31.30	
00002	PCC-124-03-TL	PCC M20 WTH 20 & 12 HBG METAL	0.00	32.125	Seignarage	10.00	2,891.25	0.00	CALCULATED	0.00	2,891.25	
00004	RCC-M20-03-TL	RCC-M20-03-TL	0.00	100.000	Seignarage	10.00	9,000.00	0.00	CALCULATED	0.00	9,000.00	
00005	PCC-136-03	PCC (1:3:8) WITH 12 TO 20MM OV	0.00	18.750	Seignarage	10.00	1,687.51	0.00	CALCULATED	0.00	1,687.51	
00001	PLSTR-12-1:3-TWRL	PCC M- 20 Nominal mix (Cement	290.14	39.750	Adhoc	0.00	0.00	10,000.00	CALCULATED	0.00	10,000.00	
00001	PLSTR-12-1:3-TWRL	PCC M- 20 Nominal mix	290.14	39.750	Retention	10.00	1,153.31	0.00	CALCULATED	0.00	1,153.31	

F. Service Entry wise Material Account Statement

T-Code -- ZPS_SEMATACNT

Service Entry Wise Material Account

Purchase Order

Service Entry Sheet no

Material Transactions Period

5000000101

00000119

30.11.2017

to

12.12.2017

- a. Type or Search suitable purchase order number
- b. Type or Search suitable Service entry sheet number
- c. Select the periods of statement required
- d. Click on icon arrow mark and Select Spread sheet to save the file in your desktop.

Service Entry Wise Material Account Report

Service PO No: 5000000101 Material Po NO: 5000000085
 Project ID: 20884 From Date: 30.11.2017
 Service Entry No: 00000119 To Date: 12.12.2017
 Bill No: CC2ND AND PART
 Name of the work: ERECTION OF 220KV TOWER FROM 220KV DUVVA SS TO NIDADAVOLU SS

Service Entry Wise Material Account Report

Sl.No	Material Code	Description of the Material	PO Quantity	UOM	Mat Open Balance	Cont this bill sup	From Stores	Other Projects	Tot Quan Available	Qty Utilized in this Bill	Qty Devoluted	Closing balance cont	Unit Price	Total Amount
2	70000001	ACSR Panther Conductor	125.000	KM	0.000	0.000	0.000	0.000	0.000	18.000	0.000	18.000-	133,014.12	2,394,254.16-
	70000001	△								18.000				2,394,254.16-
1	70000002	ACSR Moose Conductor	250.000	KM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	350,470.63	0.00
	70000002	△								0.000				0.00
4	70000013	70KN SRC Insulators	200.000	NO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3,355.11	0.00
	70000013	△								0.000				0.00
3	70000036	Vibration Dampers with spares	50.000	NO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	934.88	0.00
	70000036	△								0.000				0.00
										18.000				2,394,254.16-

Service Entry Wise Material Account Report

Service PO No: 5000000101
 Project ID: 20884
 Service Entry No: 00000119
 Bill No: CC2ND AND PART
 Name of the work: ERECTION OF 220KV TOWER FROM 220KV DUVVA SS TO NIDADAVOLU SS

13.12 Click on “Submit” button after attaching all required documents.

Service Entry Application > Service Entry > PS:Service Entry Application

Work flow submitted and sent for approval

Service Entry Create

G. Workflow for Service Entry Sheet only for ADEs and DEs.

After entering in to the portal, click on Self services.

- a. Click on suitable Service Entry Sheet number
- b. Click “Approve” or “Reject” button
- c. Click on Download attachments, if wants to see what and all AE attached.

Self-Services

My Info

Tyaga Rani

Leave Request

Salary Statement

My Services

Click on the Fullscreen icon to personalize your lane

Approvals

- 2 Approve Service Entry Number 119
- 1 Approve Service Entry Number 154
- 1 Approve Service Entry Number 155
- Other Approvals a
- Travel Approval

Approve Service Entry Number 155 12.12.2017 22:46

Ready

WF-BATCH Claim · Release · Forward

Service Entry Create

Service Entry Sheet	00000155	Up to Date	12.12.2017	Created By	PSCONS2
Scheme	BL-16-05	Scheme Description	EXT OF 132 KV SUPPLY TO BARC VSP	Purchase Order	5000000101
Contractor No	0000100018	Name	M/s T.ANAND MOHAN	LS Agreement.no	11/2017-18
Date of commencement	18.07.2017	Due Date of Completion	17.07.2018	Face value of Agrmen	37,735,143.96
Previous Bill no	2ND AND PART BILL	Present Bill no	3RDCC PART BILL	Present Billing Amnt	824,261.00
Contractor Acceptanc	<input checked="" type="checkbox"/>	PERT penalty Amount	2,205.84	Adhoc Recoveries	0.00

View: [Standard View]
Print Version
Export
APPROVE
REJECT
Download Attachments
FORM-14

Sl.No	PO Item	PO Item Description	Subitem	Sub Item Description	PO Item Qty
1	2	220KV TOWER ERECTION	1	SETTING OF STUBS WITH T...	17.000
3	5	LINE CIVIL ITEMS	10	PCC(1:4:8) WITH 40 MM HB...	8.000
4	5	LINE CIVIL ITEMS	11	HYSO/TMT FE415 GRADE S...	14.000
5	5	LINE CIVIL ITEMS	13	RCC M20 WTH 20&12 HBG ...	441.000

View: [Standard View]
Print Version
Export
APPROVE
REJECT
Download Attachments
FORM-14

b

c

14. Tower Schedule form Upload – AETs, ADETs and DETs

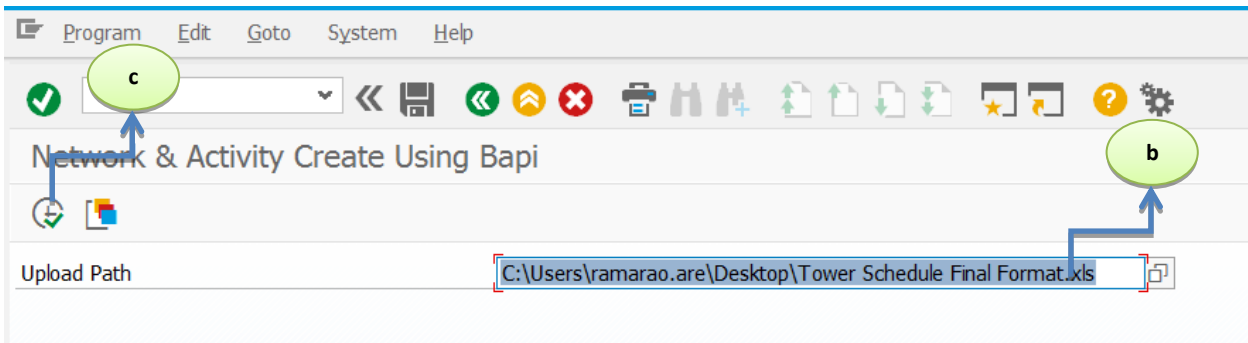
T-Code -- ZPS_TWRSCH_UPLOAD

Maintain the Excel sheet exactly as mentioned below

WBS	Cut Point to Cutpoint	Plant	Location Number	Tower type	Angle of Deviation	Classification of foundation/Soil Classification	No/Span in meters	Left.	Right.	Total.	Priority (SAP)	Remarks
BL-16-05-01-6-01	Check Survey	3203	Check Survey Planned				25				1	
BL-16-05-01-6-01	Check Survey	3203	Check Survey Submitted				25				1	
BL-16-05-01-6-01	Check Survey	3203	Check Survey Approved				25				1	
BL-16-05-01-6-02	Boom to TT (Fdn)	3203	Boom				1				2	
BL-16-05-01-6-02	TT to AP1 (Fdn)	3203	TT	S+0		Dry Soil	1				2	
BL-16-05-01-6-02	AP1-AP2 (Fdn)	3203	1	S+0		Wet Soil	1				2	
BL-16-05-01-6-02	AP1-AP2 (Fdn)	3203	2	S+3		FC	1				2	
BL-16-05-01-6-02	AP1-AP2 (Fdn)	3203	3	R+0		FBC	1				2	
BL-16-05-01-6-02	AP2-AP3 (Fdn)	3203	4	S+0		Black cotton	1				2	
BL-16-05-01-6-03	Boom to TT (Ere.)	3203	Boom				1				2	
BL-16-05-01-6-03	TT to AP1 (Ere.)	3203	TT	S+0		Dry Soil	1		37	37	2	
BL-16-05-01-6-03	AP1-AP2 (Ere.)	3203	1	S+0		Wet Soil	1	39	131	170	2	
BL-16-05-01-6-03	AP1-AP2 (Ere.)	3203	2	S+3		FC	1	184	134	318	2	
BL-16-05-01-6-03	AP1-AP2 (Ere.)	3203	3	R+0		FBC	1	88	122	210	2	
BL-16-05-01-6-03	AP2-AP3 (Ere.)	3203	4	S+0		Black cotton	1	119	53	172	2	
BL-16-05-01-6-04	Boom to TT (Str)	3203	Boom to TT		68°09'55" R		40				1	
BL-16-05-01-6-04	TT to AP1 (Str)	3203	TT to 1		26°21'02" R		76				1	
BL-16-05-01-6-04	AP1-AP2 (Str)	3203	1 to 2		51° 58'55" L		315				1	
BL-16-05-01-6-04	AP1-AP2 (Str)	3203	2 to 3		09° 59'54" R		222				1	
BL-16-05-01-6-04	AP1-AP2 (Str)	3203	3 to 4		67° 27'10" R		241				1	

a. Priority Column is very essential for Physical Progress

- i. 1→represents Survey related activities or activity to be highlighted in physical progress and quantity to be measured (for Ex:- qty – 25 and completed 15)
- ii. 2→represent Foundation activities or Structure yard foundations (activities to be consolidated show as Foundations in Physical progress. For Ex:- locations are 40,it shows Foundations-40)
- iii. 3→represent Erection activities (activities to be consolidated show as a Erections in Physical progress. For Ex:- locations are 40,it shows Erections-40)
- iv. 4→represents Stringing activities or activity to be highlighted in physical progress and quantity to be measured (for Ex:- qty – 25 and completed 15)



- b. Select your upload file
- c. Click on Execute button

- ▲ PHYSICAL PROGRESS
 - ▲ CHECK SURVEY
 - Check Survey Planned 4001719 0010
 - Check Survey Submitted 4001719 0020
 - Check Survey Approved 4001719 0030
 - ▲ FOUNDATIONS
 - TT (Fdn) 4001700
 - 1 4001700 0010
 - AP1 (Fdn) 4001701
 - 2 4001701 0010
 - AP1/1 (Fdn) 4001702
 - 3 4001702 0010
 - AP2 (Fdn) 4001703
 - 4 4001703 0010
 - AP2/1 (Fdn) 4001704
 - 5 4001704 0010
 - AP3 (Fdn) 4001705
 - 6 4001705 0010
 - ▲ ERECTION
 - TT (Ere) 4001713
 - 1 4001713 0010
 - AP1 (Ere) 4001714
 - 2 4001714 0010

Overview(s):

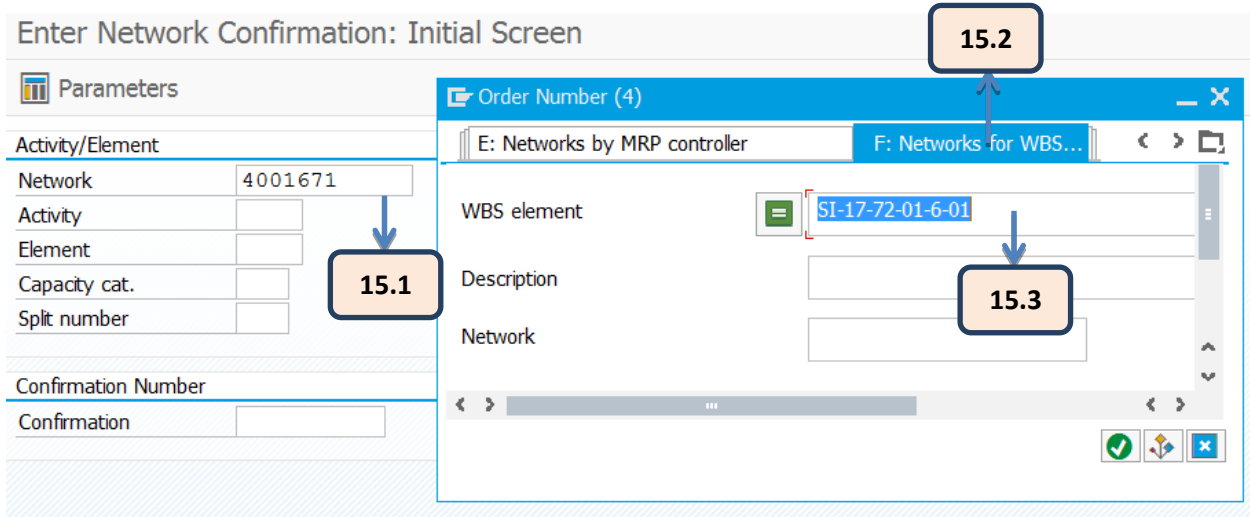
Internal	Extnl	Dates	Assignments	Long Text	User fields	Qualification	Add
Field key: ZPSACT1 Tower Schedule.							
General fields				Numeric fields			
soil classifica	BC	Section Length					
Type of tower	S+0	L					
Span in meters		R					
Angle of Devia	68°09'55"	T					
Dates				Checkboxes			
Upload date	18.08.2017	<input type="checkbox"/> Indicator 1					
Previous Upload		<input type="checkbox"/> Indicator 2					

- ✓ While uploading the Tower schedule Form if you don't get Civil data, later add manually, for that go to CJ20N select particular activity and click on User Fields. Scan and attach to activity of original documents

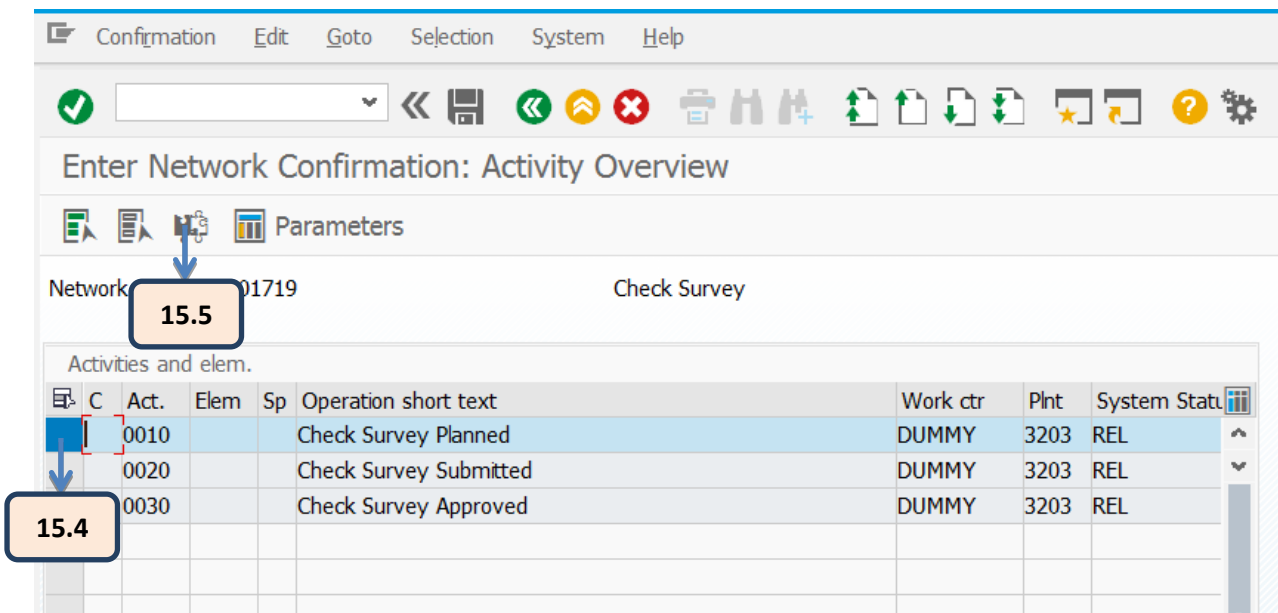
15. Physical Progress – AEs, ADEs

Physical Progress reports can be seen in BI and BO reports, to get these reports, the main base is activity confirmation.

T- Code – CN25



- 15.1 Select or Type suitable network number
- 15.2 Select the Networks for WBS Element tab
- 15.3 Select the suitable network by giving suitable WBS element and Press Enter on the keyboard



Enter Network Confirmation: Actual Data

Network 4001719 Activity 0010 Check Survey Planned
 Work Center DUMMY 3203 Dummy work center

Personnel no. _____
 Wage type _____
 Reason _____ Short Descript. _____

Processing
 Processing % 14 % 15.6 15.8 FinalConf No date update
 Completed Clear Open Reservs.

Costs
 Posting Date 13.12.2017 Business Proc. _____ Complete
 Activity Type _____ PrQty t/b Conf. _____
 AcctIndicator _____ Remaining proc. _____

Activity

	Start Date	Time	Finish Date	Time	Duration UoM	Work UoM
Earl.sched	16.08.2017		16.08.2017		0.0 DAY	1,780 NO
Ltst.sched	16.08.2017		16.08.2017			
Actual					0 DAY	0 NO

Confirm.
 Actual 16.08.2017 13.12.2017 250 NO
 Forecast _____ _____ 1,530 NO

15.7

Enter Network Confirmation: Activity Overview

Network 4001719 Check Survey

Activities and elem.

C	Act.	Elem	Sp	Operation short text	Work ctr	Plnt	System Stat.
<input checked="" type="checkbox"/>	0010			Check Survey Planned	DUMMY	3203	REL
	0020			Check Survey Submitted	DUMMY	3203	REL
	0030			Check Survey Approved	DUMMY	3203	REL

- 15.4 Select activity
- 15.5 Click on Actual data icon
- 15.6 Type how much % work completed, automatically system converts in terms of Quantity see in 15.7 or Type Quantity automatically system derives %
- 15.7 Same as 15.6

15.8 Click on "SAVE" button

16.Reports & T-Codes

Step	Description	T-Code	Business Process
1	Create Program/Structure (for 5 Years one Time)	IM01/IM22	Controle Period - AP Transco Structure
2	Create Appropriation Request	IMA11	To Create Scheme code after FFR approval
3	Attach FF report to AR	CV01N/ CV02N	Create Document in DMS
Skip Step Number 3 to 8 in case of LIS,DC,BL			
4	Appropriation Request Status Change	IMA11	Send High Level Estimate for Approval
5	Maintain agents for AR approval workflow	ZPS_CFAGT/ IMA11	Maintain Agents
6	Print Admin Form	IMA11/ZADMIN_FORM	Take printout and submit to board (Workflow provides automatically)
7	Create Position ID	IM22	
8	Budget loading at Investment Program Position ID	IM32	After Admin approval load the budget to Position ID
9	Budget Loading to Level1 WBS	IM52	Load budget to Scheme
10	Create Pre Project (In case of LIS,Bulk Load and DC works)	IMA11	Skip Step No. 3 to 8 in Case of LIS,BL,DC
11	Change Project Definition	CJ20N/CJ02	Structure Creation or WBS Element change
12	Create/ Change WBS Element	CJ02/CJ03/CJ20N	
13	Add Operative WBS Template to Level1 WBS	CJ20N	Add Existing Templates to Scheme
14	Add Dates to WBS Element	CJ20N	Add Start Date and End Date of the Work
15	Check Investment Profiles at Level 5	CJ20N	Assign Investment Profiles manually or from Template
16	Upload Tower Schedule	ZPS_TWRSCH_UPLOAD	Upload Tower Schedule form
17	Create Activity/Change	CN21/22	In case anything missed in above step
18	Release the only one WBS Element which	CJ20N	Release
19	Create Cost Planning;	CJ9ECP	Detailed Estimates/Civil/Electrical/Telecom
23	Work Flow For Estimates and Technical Sanction with attached Forms	CJ02	Detailed Estimates workflow

Run steps Number 3 to 8 in case of LIS,DC,BL			
24	Budget Distribution	CJ30	Distribute budget to Project under one Scheme
25	Project Budget Transfer / Budget Supplement	CJ37/ CJ38	
26	Project Budget Transfer / Budget Supplement	CJ34/ CJ36	
27	Create Purchase Requisition (Material)	CJ9ECP/CJ20N	Estimated Contract Value for Tendering
28	Create Purchase Requisition (Services)	CJ9ECP/CJ20N	Estimated Contract Value for Tendering
29	Release Purchase Requisition	ME54N	
30	PR Print	ME52N/ ME53N	
31	Tendering Process		E- Procurement
32	Create RFQ and Maintain RFQ	ME41/ME47	After L1 finalization, apply Tender % and Taxes in RFQ
33	RUN ZRFQ	ZRFQ	To Maintain Tender % (Pure Technical Transaction)
34	Create BG and Process	ZBG1 to 7	Maintain all BG Requirements
35	Create Purchase Order	ME21N	Create PO with all inputs
36	Release Purchase Order	ME29N	
37	PO Print	ME23N	
38	Create Inspection Lot	ZQM_INSP	Source Inspection
39	Record Results	QA11/QE01	Record Results and Usage Decisions
40	Inbound Delivery	VL31N	Create DI
41	Release Project Definition / Release WBS Element	CJ02/ CJ20N	Release the Project before GR
42	Release Network / Release Activity	CN22/ CJ20N	
43	Goods Receipt	MIGO	Goods Receipt of Material
44	Record Results/ Usage Decision	QE01/QA11	For Check Measurement
45	Create T- Note	ZPS_TNOTE	T-Note against GR
46	Create Purchase Requisition (P&MM Material)	CJ9ECP/CJ20N	
47	Mbook Page Creation for the work executed for the day	Portal Link	M-BOOK
48	Goods Issue/Reversal with Mbook Page item reference	MIGO (221Q)	Issue to Contractor for Execution
49		Reversal (222Q)	
50	Mbook Page Approval	Portal Link	M-BOOK
51	Service Entry Creation	Portal Link	Service Entry Sheet
52	Service Entry Release	Portal Link	Service Entry Sheet
53	SE wise Material A/C statement	ZPS_SEMATACNT	Bill wise Material Account
54	Overall Material A/C statement	ZPS_MAT_ACCT	PO wise Material Account
55	Seigniorage Charges	ZPS_SEIGN_CHRG	Seigniorage Charges for Bill
56	Confirmation Network / Activity	CN25	Confirm activities for Progress Reports
57	Collective Confirmation Network / Activity	CN27	
58	ROW Estimate	ZPS_ROW_UPLOAD	ROW Estimate
59	Deviation Statement created for addition or correction PO qty	CV01N/ CV02N	Deviation Qtys
60	CJ9ECP/CJ20N - Create Purchase Requisition with attachment on amendment line items	CJ9ECP/CJ20N	For Deviation

61	PO amendment with additional line items from PR and Quantity changes in existing line items	ME22N	
62	Release amended PO	ME29N	Approval
63	Delete Activity Confirmation	CN29	
64	Maintain settlement Rule	CJ02	Finance Transactions
65	Actual cost Settlement to AUC	CJ88	Finance Transactions
66	Tech Closure for WBS/Network/Activity	CJ20N	Finance Transactions
67	Tech Closure for Project	CJ20N	Finance Transactions
68	Final Asset Settlement	CJIC	Finance Transactions
69	Close WBS Element	CJ02	Finance Transactions
70			
71	Close Project By Finance Module	CJ02	Finance Transactions
72	Create / Change Document & Assign to WBS/Activity	CV01N / CV02N	Create Document in DMS
73	Document Status Change	CV02N	Create Document in DMS
74	Project Overview	CN41	Reports
75	Overview of Project Definition	CN42N	Reports
76	WBS Structure Overview	CN41N	Reports
77	Overview of WBS Elements	CN43N	Reports
78	Overview Network	CN46N	Reports
79	Overview Activities	CN47N	Reports
80	ME2J - Project procurement Report	ME2J	Reports
81	MBBS - Project stock report	MBBS	Reports
82	Actual/Commitment/Total/Plan	S_ALR_87013542	Reports
83	Project Budg/Act/Commitment	S_ALR_87013558	Reports
84	Project Pln1/Pln2/Act/Commitment	S_ALR_87013534	Reports
85	Activity Confirmations	CN48N	Reports
86	Project Actual Cost Line Item Report	CJ13	Reports
87	Project Commitment Line Item Report	CJ15	Reports