

PIPING PROJECT FLOW DIAGRAM

GUIDELINE FOR SOFTWARE PREPARATION

PROJECT MASTER DATA

- A) PROJECT NAME : By Admin**
- B) CLIENT NAME : By Admin**
- C) PROJECT WO. NO. : By admin**
- D) WPS LIST (WELDING PROCEDURE SPECIFICATION) : By Welding Engineer**

PIPING WPS MASTER LIST									
SR. NO.	WPS NO.	PIPING MATERIAL SPECIFICATION	WELDING PROCESS	MINIMUM THICKNESS	MAXIMUM THICKNESS	JOINT TYPE	PRE-HEAT	PWHT	PDF

- E) QUALIFIED WELDER LIST : By Welding Engineer**

QUALIFIED WELDER MASTER LIST									
SR. NO.	WELDER NAME	WELDER NUMBER	WPS NO.	MINIMUM THICKNESS	MAXIMUM THICKNESS	WELDING PROCESS	QUALIFIED DIAMETER MIN - MAX	JOINT TYPE	DUE DATE

- F) PROCEDURE MASTER LIST : By QA Engineer**

**G) PAINTING REQUIREMENTS, PAINTING SYSTEMS , FINAL SHED DETAILS : By
QA Engineer**

PAINTING REQUIREMENTS				
SR. NO.	PIPING CLASS	PIPING MATERIAL SPECIFICATIONS	BLASTING - PAINTING REQUIREMENTS	PAINT SYSTEM NO.
			YES / NO	

PAINTING SYSTEM	
PAINT SYSTEM NO	
SURFACE PREPARATION STANDARD	
PROFILE REQUIREMENTS	
SALT TEST REQUIREMENTS	
PAINT MANUFACTURER	
PRIMER PAINT / SHADE	
PRIMER APPLICATION METHOD	
PRIMER DFT RANGE	
MIO PAINT / SHADE	
MIO APPLICATION METHOD	
MIO DFT RANGE	
FINAL PAINT / SHADE	
FINAL PAINT APPLICATION METHOD	
FINAL PAINT DFT RANGE	
TOTAL DFT REQUIREMENT	

FINAL COAT SHADE CARD	
SERVICE	SHADE (RAL NO.)

H) NDT / TESTING REQUIREMENTS : By QA Engineer

I) PWHT MASTER : By QA Engineer

J) HARDNESS MASTER : By QA Engineer

HARDNESS REQUIREMENT			
SR. NO.	PIPING MATERIAL SPECIFICATON	MAX. ACCEPTABLE HARDNESS	HARDNESS VALUE (HRB / HRC/ HB/ HV) :

1. RAW MATERIAL PROCUREMENT

I. ACTIVITY BY HEAD OFFICE (IN CASE OF DIRECT PROCUREMENT)

- A. FINALIZING MATERIAL MTO**
- B. PREPARE THE MTO**
- C. GENERATE INQUIRY**
- D. OFFER COMPARISION**
- E. PREPARATION OF COUNTER OFFER**
- F. ORDER PLACEMENT / FINAL PO**

OR / IN CASE MATERIAL RECEIVED FROM CLIENT

II. ACTIVITY BY SHOP TEAM (IN CASE OF FREE ISSUE MATERIAL)

A. FIM PACKING LIST

For the Item, Item description, Size, Thickness & Material grade will be defined in Item master.

2. RAW MATERIAL STORE

2A. MATERIAL RECEIVING

Material will be received / data will be added based on Final PO raised by Head office or FIM packing list received from client.

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES INWARD MATERIAL OFFER LIST (PIPING)													
CLIENT							PROJECT			OFFER NO					
WO NO.										OFFER DATE					
SL NO.	MATERIAL PO NO./FIM LOT NO./RGP NO.	ITEM	ITEM DESCRIPTION	SIZE	THICKNESS	MATERIAL GRADE	MAKE/ MANUFACTURER	SUPPLIER	UOM	PO QTY / FIM LIST QTY	CHALLAN QTY	RECEIVED QTY / OFFERED QTY	HEAT/LOT NO	INVOICE NO. / PACKING LIST	REMARKS
REMARKS :															
		OFFER BY / RECEIVED BY													
SIGNATURE															
NAME															
DATE															
V6DOC-52 REV.00															

Supplier, Manufacturer shall be added through master data of Party list.

Challan qty & Received qty can be allowed more than or less than PO qty. No restrictions in Receiving.

Heat number / lot no is option to add in the receiving stage of material.

2B. MATERIAL INSPECTION

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES INWARD MATERIAL INSPECTION REPORT (IMIR) - PIPING MATERIALS													
CLIENT		PROJECT								IMIR NO					
WO NO.										DATE					
Sr. No.	MATERIAL PO NO. / FIM LOT NO. / RGP NO.	ITEM	ITEM DESCRIPTION	SIZE	THICKNESS	MATERIAL GRADE	MAKE / MANUFACTURER	SUPPLIER	UOM	ACCEPTED QTY	REJECTED QTY	HEAT / LOT NO	T.C NO.	INVOICE NO. / PACKING LIST	REMARKS
REMARKS :															
SIGNATURE		VE-QC						CLIENT-QC / TPI							
NAME															
DATE															

VE-DOC-53 REV.00

Accepted material shall be added heat number wise. So multiple entries are required based on heat number only.

Rejection cases are also depended on heat number wise.

Rejected qty will be re-offered during re-receiving stage as per the PO or FIM Lot.

2C. STOCK LIST

Stock list will be generated with considering the FINAL PO / FIM PACKING LIST, RECEIVING MATERIAL, QUALITY ACCEPTED MATERIAL, MATERIAL ISSUE VOUCHER & USABLE QTY.

2D. PROJECT USABLE MATERIAL LIST

Usable material sheet is only generated after project completion.

Data shall be captured from the stock list only.

Usable list will be shown in the material MTO stage for the other projects only. It will be shown project wise.

3. PLANNING

3A. DRAWING MASTER LIST

LINE LIST - MASTER DATA											
SR NO.	AREA / UNIT	LINE NO. / DRAWING NO.	REV. NO.	sheet no.	RECEIVED LOT NO.	DRAWING RECEIVING DATE	P&ID DRAWING NO.	PIPING CLASS	PIPING MATERIAL SPECIFICATION	SERVICE	PDF ATTACHMENT

MATERIAL WISE ENTRY (SHEET CAN BE UPLOADED)

SR NO.	AREA / UNIT	LINE NO. / DRAWING NO.	REV. NO.	SPool NO. / PASS NO.	ITEM	ITEM DESCRIPTION	SIZE	THICKNESS	MATERIAL GRADE	UOM	QTY

JOINT WISE ENTRY (SHEET CAN BE UPLOADED)

SR NO.	AREA / UNIT	LINE NO. / DRAWING NO.	SPool NO. / PASS NO.	JOINT NO.	ITEM-1	ITEM-2	SIZE	THICKNESS	JOINT TYPE	AREA (SQM)	INCH-METER

Based on latest revision of drawing, latest revision of drawing will be carry forwarded for next activities and old revision's activities will be stopped from the last activities.

Status shall be shown with color code like old revision will be shown in red and latest will be in green.

DPR shall be shown same with color code for those revision added items.

Item data can be caught directly from the Item master.

Sheet import option is required as mentioned above. Manual editing is also required for the changes if any.

Multiple rows are required to generate the datas. Row adding option is required to generate the lines.

Summary shall be generated in excel sheet with containing the same above data with line number wise and area wise.

4. FABRICATION DRAWING ISSUE

VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES DRAWING ISSUE REGISTER						
Sr. No	AREA	DRAWING NO	REV	Sheet No	ISSUE DATE	ISSUED TO

Drawing will be issued immediate after generate the master data entry as shown in the clause no. 3.

Separate drawing list will be shown as we have generated the data in structural PMS.

Area wise / Issue – pending list / Contractor wise / Lot wise filtering is required to generate the drawing issue register.

5. DAILY MANPOWER RECORD

DMR will be updated based on DMR format.

6. MATERIAL ISSUE

5A. MATERIAL ISSUE REQUEST

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES											
PROJECT MATERIAL ISSUE REQUEST													
CLIENT			PROJECT			DRAWING ISSUED TO			OFFER NO				
SR. NO.	LINE NO. / DRAWING NO.	REV.NO.	SHEET NO.	ITEM	ITEM DESCRIPTION	SIZE	THICKNESS	MATERIAL GRADE	UOM	REQUIRED QTY	EXTRA QTY	TOTAL REQUESTED QTY	REMARKS
Requested By:													
Name.:													
Sign.:													
DATE.:													
VE-DOC-54 REV.00													

Multiple lines can be added for the material request.

Added lines shall be issued to one team / contractor / person only.

Extra qty shall be only for the pipe length. Remaining items shall be considered as per the drawing only.

Line number wise Two options are added before generating the offer,

- 1) Final Dimension
- 2) Fit-up

Based on the above selection, Line wise flow will be opened as per the flow diagram.

5B. MATERIAL ISSUE ACCEPTANCE

	VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES													
PROJECT MATERIAL ISSUE ACCEPTANCE														
CLIENT						REPORT NO.			ISSUED DATE					
Project Name						DRAWING ISSUED TO								
SR. NO.	LINE NO. / DRAWING NO.	REV.NO.	SHEET NO.	ITEM	ITEM DESCRIPTION	SIZE	THICKNESS	MATERIAL GRADE	UOM	REQUESTED QTY	ISSUED QTY	IMIR NO.	HEAT NO.	REMARKS
Issued By:														
Name:														
Sign.:														
DATE.:														
VE-DOC-55 REV.00														

Issue Qty can be divided based on the available stock of IMIR NO & Heat number.

IMIR & Heat number wise issued qty shall be added.

Stock list shall be updated based on requested and issued qtys.

7. EXECUTION - OFFERING

6A. FIT-UP

VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES FIT-UP INSPECTION OFFER LIST																
CLIENT								WO NO.				OFFER NO.				
PROJECT												DATE				
SR NO.	LINE NO. / DRAWING NO.	REV NO.	SHEET NO.	PIPING MATERIAL SPECIFICATION	SPOOL NO.	JOINT NO.	ITEM-1			ITEM-2			SIZE	THICKNESS	JOINT TYPE	REMARKS
							ITEM 1	IMIR NO.	HEAT NO.	ITEM 2	IMIR NO.	HEAT NO.				
OFFERED BY																
SIGNATURE																
NAME																
DATE																
VE-DOC-56 REV.00																

Based on the material issue acceptance, Fit-up will be offered Line wise & spool wise.

Multiple Lines and spools can be offered at a time.

Joint types will be directly fetched from the drawing master, but it should be edible.

6B. WELD VISUAL

VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES WELD VISUAL INSPECTION OFFER LIST																	
CLIENT								PO NO.				OFFER NO.					
PROJECT														DATE			
SR.NO	LINE NO. / DRAWING NO.	REV.NO.	SHEET NO.	PIPING MATERIAL SPECIFICATION	SPOOL No.	JOINT No.	SIZE	THICKNESS	JOINT TYPE	WPS NO.	WELDING PROCESS	WELDER No.	REMARKS				
OFFERED BY																	
SIGNATURE																	
NAME																	
DATE																	
VE-DOC-56 REV.00																	

Based on the clearance of the Fit-up, only accepted Line and spools are offered.

Welder number will be fetched based on the thickness limit, diameter limit and WPS number as mentioned in the Welder master list.

6C. FINAL DIMENSIONAL

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES FINAL DIMENSION OFFER					
CLIENT :		WO NO.		OFFER NO.:			
PROJECT:				DATE:			
SR NO	LINE NO. / DRAWING NO.	REV.NO.	SHEET NO	PIPING MATERIAL SPECIFICATION	SPOOL NO	REQUIRED DIMENSIONS	REMARKS
OFFERED BY							
SIGNATURE							
NAME							
DATE							
VE-DOC-60 REV.00							

After completion of testing as per the NDT flow, Spools shall be offered for Final dimension.

Required dimensions shall be added In offer.

8. QUALITY CLEARANCE

7A. FIT-UP

VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES FIT-UP INSPECTION REPORT (PIPING)																	
CLIENT							WO NO.				REPORT NO.						
PROJECT											DATE						
SR NO.	LINE NO. / DRAWING NO.	REV NO.	SHEET NO.	PIPING MATERIAL SPECIFICATION	SPOOL NO.	JOINT NO.	ITEM-1			ITEM-2			SIZE	THICKNESS	JOINT TYPE	WPS NO.	ACC / REJ
							ITEM 1	IMIR NO.	HEAT NO.	ITEM 2	IMIR NO.	HEAT NO.					
INSPECTION CHECK														REMARKS:			
<input type="checkbox"/> DIR & ORIENTATION <input type="checkbox"/> FLANGE STRADDLING <input type="checkbox"/> PAINTING ICS FOR ERECTED SPOOLS				<input type="checkbox"/> W.E.P AS PER WPS <input type="checkbox"/> EREC. COORDINATES <input type="checkbox"/> EREC. VERTICALITY			<input type="checkbox"/> DIMENSIONS <input type="checkbox"/> PHYSICAL CONDITION <input type="checkbox"/> EREC. VERTICALITY			<input type="checkbox"/> SQUARENESS <input type="checkbox"/> ARC STRIKE <input type="checkbox"/> PRESERVATION			<input type="checkbox"/> OFFSET <input type="checkbox"/> SLOPE <input type="checkbox"/> VISUAL				
		VE QC												CLIENT QC / TPI			
SIGNATURE																	
NAME																	
DATE																	
VE-DOC-57 REV.00																	

WPS numbers will be fetched here from the WPS master.

WPS number will be selected by QC and same will be flowed.

Accepted spools are flowed in next activity weld visual.

Rejected spools are flowed in re-offer of fit-up offer.

Note: If one joint may reject by QC, whole spool will be considered in reoffer case.

7B. WELD VISUAL

VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES WELD VISUAL INSPECTION REPORT (PIPING)														
CLIENT						PO / WO NO				REPORT NO				
PROJECT											DATE			
SR.NO	LINE No. / DRAWING NO.	REV.NO.	SHEET NO.	PIPING MATERIAL SPECIFICATION	SPool No.	JOINT No.	SIZE	THICKNESS	JOINT TYPE	WPS NO.	WELDING PROCESS	WELDER No.	FITUP REPORT NO	ACC / REJ
CHECK FOR WELD SURFACE DEFECTS					VISUAL CHECK						REMARKS:			
<input type="checkbox"/> REINFORCEMENT			<input type="checkbox"/> LUMPS/HIGH SPOT		<input type="checkbox"/> CRACK		<input type="checkbox"/> CLEAT MARK		<input type="checkbox"/> ARC STRIKE		<input type="checkbox"/> INTERNAL SURFACE			
<input type="checkbox"/> BEAD APPEARANCE/WEAVING			<input type="checkbox"/> UNDER CUT		<input type="checkbox"/> ROOT INSP		<input type="checkbox"/> PRESERVATION		<input type="checkbox"/> SKEWS IN U-BEND		<input type="checkbox"/> PIPE END BLINDS			
<input type="checkbox"/> POROSITY/PIN HOLES			<input type="checkbox"/> SLAG				<input type="checkbox"/> DISTORTION		<input type="checkbox"/> SPATTER		<input type="checkbox"/> SUPPORT PAD & STIFFNER			
		VE QC						CLIENT-QC / TPI						
SIGNATURE														
NAME														
DATE														

VE-DOC-59 REV.00

Offered welder number should be editable by QC.

Accepted spools are flowed in next activity NDT

Rejected spools are flowed in re-offer of Weld visual offer.

Note: If one joint may reject by QC, whole spool will be considered in reoffer case.

7C. FINAL DIMENSIONAL

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES FINAL DIMENSION INSPECTION REPORT (PIPING)							
CLIENT		WO NO.					REPORT NO.		
PROJECT							DATE		
SR NO	LINE NO. / DRAWING NO.	REV.NO.	SHEET NO	PIPING MATERIAL SPECIFICATION	SPPOOL NO	REQUIRED DIMENSION	ACTUAL DIMENSION	ACC / REJ	REMARKS
CHECK POINTS							REMARKS:		
<input type="checkbox"/> DIR & ORIENTATION <input type="checkbox"/> DIMENSIONS			<input type="checkbox"/> DISTORTION <input type="checkbox"/> SLOPE			<input type="checkbox"/> SQUARENESS <input type="checkbox"/> PRESERVATION			
	VE QC						CLIENTQC/TPI		
SIGNATURE									
NAME									
DATE									
VE-DOC-61 REV.00									

Actual dimensions shall be added during QC clearance.

Accepted spools are flowed in next activity as mentioned below

Rejected spools are flowed in re-offer of Final dimension offer.

After Final dimension acceptance, there will be check point to proceed for next stage,

- 1) Release for Hydro testing
- 2) Release for Blasting & Painting
- 3) Release for Site dispatch

9. NDT

8A. NDT / TESTING SUMMARY

NDT / TESTING SUMMARY																	
SR. NO.	LINE NO.	REV. NO.	SPPOOL NO.	PIPING CLASS	SERVICE	PIPING MATERIAL SPECIFICATION	BSR RT	FERRITE	PWHT	ASR RT	RT	MPT	LPT	HARDNESS	PMI	PICKLING & PASSIVATION	STATUS

Summary shall be shown line wise & spool number wise with considering the NDT pending / offered / accepted / rejected conditions.

Final Status shall be shown completed / balanced.

If all testing are accepted, status shall be shown completed. For the completed status shall be flown in the final dimension offer.

8B. FOR RT / MPT / LPT LOT BOOK OF 10% / 20% / 50%

NDT LOT BOOK (For RT, LPT, MPT)

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES NDT LOT BOOK (RT / LPT / MPT)											
CLIENT		LOT NUMBER							DATE				
PROJECT		NDT METHOD	1						PERCENTAGE (LINE WISE or WELDER NO. WISE)	2			
SR. NO.	LINE NO. / DRAWING NO.	REV. NO.	SPool NO.	JOINT NO.	SIZE	THICKNESS	PIPING CLASS	NDT %	JOINT TYPE	WELDER NO.	WELD VISUAL INSPECTION REPORT	NDT OFFERED / COVERED	REMARKS
1													OFFERED / COVERED
2													OFFERED / COVERED
3													OFFERED / COVERED
4													OFFERED / COVERED
5													OFFERED / COVERED
6													OFFERED / COVERED
7													OFFERED / COVERED
8													OFFERED / COVERED
9													OFFERED / COVERED
10													OFFERED / COVERED
VE QC (L-II/III)								CLIENT-QC / TPI					
SIGN													
Name													
Date													

VE-DOC-64 REV.00

- 1) Before generating of any NDT lot, system will ask NDT method
- 2) After the selection of NDT method, system will ask percentage selection based on Line wise or Welder number wise.
 - If we select line wise, only one line can be selected and further selection will be done based on line number only
 - If we select welder wise, there will be one more selection will open for piping class & service, based on the piping class & service, only selected piping class & service wise lines will be shown. Again based on line number, welder wise joint number will be shown.
 - Welder wise joint details along with line number and spool number can be added.
 - After adding of the details, percentage wise offered and covered data needs to be selected.
 - Covered data will be hided in back end, considered as completed task

- Offered data will be shown in NDT offer, NDT offering can be done after that.
- 3) NDT method wise , Lot will be generated and format will be VE / CLIENT NAME / PROJECT NAME / NDT METHOD / 01..ETC

8C. BSR RT / ASR RT / RT

OFFER

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES RADIOGRAPHY TEST OFFER							
CLIENT		WO. NO.					OFFER NO		
PROJECT		OFFER TO / NDT CONTRACTOR					OFFER DATE		
SR. NO.	LINE NO. / DRAWING NO.	SPOOL NO.	PIPING MATERIAL SPECIFICATION	JOINT NO.	BSR / ASR / FINAL	WELDER NO.	SIZE	THICKNESS	RT LOCATION
<hr/>									
	PREPARED BY						RECEIVED BY		
Sign									
Name									
Date									

VE-DOC-62 REV.00

Two option will be shown before offering to RT,

- Selection based on NDT LOT
- 100% RT

Before adding line number / spool no. / joint no., BSR / ASR / RT selection to be carried out. This is applicable only if we select flow of BCR / ASR / RT in the NDT master.

Based on the BSR / ASR / RT selection, line number, spool no and joint number will be selected and multiple lines / spools / joints can be offered.

After generating the offer, Offer location and NDT contractor needs to be selected. Same needs to be reflected in offer pdf.

CLEARANCE (ACC / REJ)

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES RADIOGRAPHY TEST REPORT													
CLIENT								REPORT NO							
PROJECT								REPORT DATE							
WO NO.		PROCEDURE NO.						TEST DATE							
SOURCE	FILM					PENETRAMETER									
STRENGTH	SENSITIVITY					DENSITY									
SCREEN	ACCEPTANCE STANDARD					FRONT		BACK							
SR. NO.	LINE NO. / DRAWING NO.	SPOOL NO	JOINT NO.	BSR / ASR / FINAL	WELDER NO.	SIZE	THICKNESS	SFD	EXPO TIME	TECHNIQUE	SEGMENT	FILM SIZE	OBSERVATION	RESULT	

LEGENDS:

BT-BURN THROUGH, CK-CRACK, CP-CLUSTER POROSITY, CR-CUT & REWELD, CS-CHECK SURFACE, EP-EXCESS PENETRATION, DP-DEPERESSION, LF-LACK OF FUSION, LM-LOOSE MATERIAL, LP-LACK OF PENETRATION, MM-MISMATCH, PO-POROSITY, SI-SLAG INCLUSION, TI-TUNGSTEN INCLUSION, UC-UNDERCUT, RS-RESHOOT, RT-RETAKE, MRS-MERGE & RESHOOT, SM-SCREEN MARK, PM-PROCESS MARK, NM-NAIL MARK, FM-FIM MARK, WM-WATER MARK, LD-LOW DENSITY, HD-HIGH DENSITY

	VE QC (L-II/III)	CLIENT-QC / TPI
Sign		
Name		
Date		

VE-DOC-63 REV.00

Yellow highlighted areas will be added manually.

For the segment, film size, observation and results will have multiple adding option for a multiple rows.

If one segment will have comments in result sections like reject / retake / reshoot will be gone for re-offer. Remaining all accepted joints will be proceeded further.

8D. FERRITE TEST

OFFER

CLEARANCE (ACC / REJ)

Yellow highlighted area shall be added manually.

In Remarks, ACC / REJ status to be shown.

Accepted spools will be flowed further.

Rejected joints will be re-offered.

8D. PWHT

OFFER

				VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES PWHT OFFER											
CLIENT			WO NO.								OFFER NO				
PROJECT			PWHT TYPE								OFFER DATE				
SR.NO.	LINE NO. / DRAWING NO.	SPool NO.	JOINT NO.	SIZE	THICKNESS	PIPING MATERIAL SPECIFICATION	LOADING TEMPERATURE	RATE OF HEATING	SOAKING TEMP.	SOAKING PERIOD	RATE OF COOLING	UNLOADING TEMP.	NO OF THERMOCUPLE	REMARKS	
	PREPARED BY						REQUEST ACCEPTED BY								
SIGN															
NAME															
DATE															
VE-DOC-65 REV.00															

Based on the Piping material specification, Pink highlighted areas shall be fetched directly from the PWHT master.

Yellow highlighted area – No of thermocouple shall be added manually.

CLEARANCE (ACC / REJ)

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES POST WELD HEAT TREATMENT REPORT (PIPING)																		
CLIENT						WO NO.								REPORT NO						
PROJECT						PWHT TYPE								DATE						
SR.NO.	LINE NO./ DRAWING NO.	SPool NO.	JOINT NO.	SIZE	THICKNESS	PIPING MATERIAL SPECIFICATION	LOADING TEMPERATURE	RATE OF HEATING	SOAKING TEMP.	SOAKING PERIOD	RATE OF COOLING	UNLOADING TEMP.	NO OF THERMOCOUPLE	TEMERATURE RECORDER SR. NO.	TEMERATURE RECORDER VALIDITY	THERMOCOUPLE NO & VALIDITY	STARTING TIME & DATE	ENDING TIME & DATE	CHART NO	REMARKS
PREPARED BY							REQUEST ACCEPTED BY													
SIGN																				
NAME																				
DATE																				
VE-DOC-66 REV.00																				

Loading temp, Rate of heating, Soaking temp., Soaking period, Rate of cooling & No of thermocouple shall be fetched directly from the offer but all should be editable during QC clearance.

Remaining all data shall be added manually.

QC rejected joints shall be re-offered.

8E. LPT OFFER

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES LIQUID PENETRANT TESTING OFFER								
JOB DETAILS										
CLIENT						OFFER NO.				
PROJECT						OFFER DATE				
WO NO.										
OFFER DETAILS										
SR. No.	LINE NO.	REV. NO.	SPOOL NO.	JOINT NO.	SIZE	THICKNESS	JOINT TYPE	WELDER NO	REMARKS	
REMARKS:										
OFFERED BY										
SIGN.										
NAME										
DATE										
VE-DOC-69 REV.00										

Two options will be shown before offering to LPT

- 1) Selection based on NDT Lot
- 2) 100% LPT

Based on NDT lot selection, offered data will be fetched directly and multiple NDT lots can be offered here.

Based on 100% LPT, multiple 100% applicable lines, spool and joints will be offered.

All the offer data can be tracked directly and after selection of line number, spool number and joint number offer can be generated.

CLEARANCE (ACC / REJ)

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES LIQUID PENETRANT TESTING REPORT (PIPING)								
JOB DETAILS										
CLIENT				REPORT NO.						
PROJECT				REPORT DATE						
WO NO.				TEST DATE						
PROCEDURE NO.				ACCEPTANCE CODE						
TEST DETAILS										
SURFACE CONDITION				SURFACE TEMP.						
EXAMINATION STAGE				TECHNIQUE						
LIGHTING EQUIPMENT				LIGHTING INTENSITY						
EXTENT OF EXAMINATION %										
TYPE	MAKE	MODEL	BATCH NO.			VALIDITY				
PENETRANT : SOLVENT REMOVABLE										
CLEANER : SOLVENT REMOVABLE										
DEVELOPER : SOLVENT REMOVABLE										
RESULT SUMMARY										
SR. No.	LINE NO. / DRAWING NO.	REV. NO.	SPOOL NO.	JOINT NO.	SIZE	THICKNES S	JOINT TYPE	WELDER NO	OBSERVATION	TEST RESULT
REMARKS:										
		EXAMINED BY (LEVEL I / II)		VE-QC (LEVEL II / III)				WITNESSED/ APPROVED / REVIEWED BY		
								CLIENT-QC / TPI		
SIGN.										
NAME										
DATE										
VE-DOC-70 REV.00										

Yellow highlighted areas shall be added manually during acceptance / rejection of LPT.

Rejected joints will be flowed for re-offer in LPT.

Accepted spools will be flowed further as per the fixed sequence.

**8F. MPT
OFFER**

 	VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES MPT TESTING OFFER									
JOB DETAILS										
CLIENT							OFFER NO.			
PROJECT							OFFER DATE			
WO NO.										
OFFER DETAILS										
SR. No.	LINE NO. / DRAWING NO.	REV. NO.	SPOOL NO.	JOINT NO.	WELDER NO	JOINT TYPE	PIPING MATERIAL SPECIFICATION	SIZE	THICKNESS	REMARKS
REMARKS:										
	OFFERED BY									
SIGN.										
NAME										
DATE										
VE-DOC-71 REV.00										

Two options will be shown before offering to MPT

- 1) Selection based on NDT Lot
- 2) 100% MPT

Based on NDT lot selection, offered data will be fetched directly and multiple NDT lots can be offered here.

Based on 100% MPT, multiple 100% applicable lines, spool and joints will be offered.

All the offer data can be tracked directly and after selection of line number, spool number and joint number offer can be generated.

CLEARANCE (ACC / REJ)

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES										
MAGNETIC PARTICLE TESTING REPORT (PIPING)												
JOB DETAILS												
CLIENT						REPORT NO.						
PROJECT						REPORT DATE						
WO NO.						TEST DATE						
PROCEDURE NO.						ACCEPTANCE STANDARD						
TEST DETIALS												
SURFACE CONDITION						EXTENT OF EXAMINATION						
EXAMINATION STAGE						POST CLEANING						
TECHNIQUE						MAGNETIZATION						
LIGHTENING EQUIPMENT						MEDIUM						
LIGHTENING INTENSITY						YODE SPACING						
YODE MODEL & MAKE						YODE SR. NO.						
PARTICLE						PARTICLE BATCH NO.						
CONTRAST						CONTRAST BATCH NO.						
RESULT SUMMARY												
SR. No.	LINE NO. / DRAWING	REV. NO.	SPPOOL NO	JOINT NO	WELDER NO.	JOINT TYPE	PIPING MATERIAL SPECIFICATION	SIZE	THICKNESS	OBSERVA TION	TEST RESULT	
REMARKS :												
NOTE	JOINT IS ACCEPTED IF "NO RELEVANT INDICATION" & REPAIR IF "LINEAR / ROUNDED INDICATION" OBSERVED.											
	EXAMINED BY (LEVEL I / II)			APPROVED BY (LEVEL II / III)				WITNESSED/ APPROVED / REVIEWED BY				
SIGN.												
NAME												
DATE												
VE-DOC-72 REV.00												

Yellow highlighted areas shall be added manually during acceptance / rejection of MPT.

Rejected joints will be flowed for re-offer in MPT.

Accepted spools will be flowed further as per the fixed sequence.

8G. HARDNESS TESTING OFFER

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES HARDNESS TESTING OFFER											
CLIENT						WO NO.				OFFER NO			
PROJECT										OFFER DATE			
SR. NO.	LINE No. / DRAWING NO.	REV.NO	SPOOL No.	JOINT No.	STAGE (Before PWHT / After PWHT)	PIPING MATERIAL SPECIFICATION	MAX. ACCEPTABLE HARDNESS ..						REMARKS
							HARDNESS VALUE (HRB / HRC / HB / HV) :						
							BASE METAL 1	BASE METAL 2	WELD	HAZ 1	HAZ 2		
1													
2													
3													
4													
REMARKS:													
	OFFERED BY		PERFORMED BY										
SIGNATURE													
NAME													
DATE													
VE-DOV-73 REV.00													

Based on Flow, Lines, spools and joints will be fetched directly and multiple lines, spools & joints will be offered at a time.

Yellow highlighted area will be added manually during offering of the hardness.

Pink highlighted areas will keep as it is, no values will add during offering.

Based on the Hardness master data, Maximum acceptable hardness values and unit will be fetched here.

CLEARANCE (ACC / REJ)

 VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES HARDNESS TESTING REPORT (PIPING)											
CLIENT					WO NO.			REPORT NO			
PROJECT					PROCEDURE NO:			TEST DATE			
SR. NO.	LINE No.	REV.NO	SPOOL NO.	JOINT NO.	STAGE (Before PWHT / After PWHT)	TYPE OF MATERIAL (MOC)	MAX. ACCEPTABLE HARDNESS :				TEST RESULT
							HARDNESS VALUE (HRB / HRC/ HB/ HV) :				
						BASE METAL 1	BASE METAL 2	WELD	HAZ 1	HAZ 2	
1											
2											
3											
4											
REMARKS:											
	EXAMINED BY - TECHNICIAN		VE QC				CLIENT-QC / TPI				
SIGN											
NAME											
DATE											

VE-DOC-74 REV.00

Yellow highlighted areas shall be added manually during acceptance / rejection of Hardness.

Rejected joints will be flowed for re-offer in Hardness.

Accepted spools will be flowed further as per the fixed sequence.

8G. PMI TESTING OFFER

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES									
PMI OFFER											
CLIENT:		WO NO.						OFFER NO.			
PROJECT:								OFFER DATE			
INSPECTION DETAILS											
SR NO	LINE NO. / DRAWING NO.	REV	SPOOL NO	JOINT NO.	SIZE	PIPING MATERIAL SPECIFICATION	WELD / PARENT	CHEMICAL COMPOSITION			Remarks
								Cr	Ni	Mo	
REMARKS :											
	OFFERED BY				PERFORMED BY						
SINGATURE											
NAME											
DATE											
VE-DOC-75 REV.00											

Based on Flow, Lines, spools and joints will be fetched directly and multiple lines, spools & joints will be offered at a time.

Highlighted areas will keep as it is, no values will add during offering.

CLEARANCE (ACC / REJ)

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES										
POSITIVE MATERIAL IDENTIFICATION REPORT (PIPING)												
CLIENT:		WO NO.						REPORT NO.				
PROJECT:		PROCEDURE NO.						TEST DATE				
ANALYSER MODEL SERIAL NO.		VALIDITY OF INSTRUMENT										
INSPECTION DETAILS												
SR NO	LINE NO. / DRAWING NO.	REV NO.	SPOOL NO	JOINT NO.	SIZE	PIPING MATERIAL SPECIFICATION	WELD / PARENT	CHEMICAL COMPOSITION			ACC / REJ	REMARKS
								Cr	Ni	Mo		
REMARKS :												
	EXAMINED BY	VE-QC						WITNESS/APPROVED/REVIEWED BY CLIENT/TPI/QC				
SINGATURE												
NAME												
DATE												
VE-DOC-76 REV.00												

Yellow highlighted areas shall be added manually during acceptance / rejection of PMI.

Rejected joints will be flowed for re-offer in PMI

Accepted spools will be flowed further as per the fixed sequence.

For the weld / parent, Row adding option will be required for each joint.

8G. PICKLING & PASSIVATION OFFER

	VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES PICKLING & PASSIVATION OFFER							
CLIENT :				OFFER NO. :				
PROJECT:				OFFER DATE :				
WO NO.								
SR.NO.	LINE NO. / DRAWING NO.	REV NO	SPOOL NO	JOINT NO	SIZE	THICKNESS	REMARKS	
NOTE :								
	OFFERED BY							
SIGN :								
NAME :								
DATE :								
VE-DOC-77 REV. 00								

Based on the flow, Lines, spools and joints will be fetched directly and multiple lines, spools & joints will be offered at a time.

CLEARANCE (ACC / REJ)

	VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES PICKLING & PASSIVATION REPORT (PIPING)							
CLIENT :				REPORT NO. :				
PROJECT:				DATE :				
WO NO.				PROCEDURE NO.				
SR.NO.	LINE NO. / DRAWING NO.	REV NO	SPOOL NO	JOINT NO	SIZE	THICKNESS	RESULTS	REMARKS
NOTE :								
	VE-QC			CLIENT-QC / TPIA				
SIGN :								
NAME :								
DATE :								
VE-DOC-78 REV. 00								

Yellow highlighted areas shall be added manually during acceptance / rejection of pickling.

Rejected joints will be flowed for re-offer in Pickling

Accepted spools will be flowed further as per the fixed sequence.

10. LINE HISTORY SHEET (PIPING) / INSPECTION SUMMARY RECORDS

Document format No. VE-DOC-79 REV.00

Each Line wise LHS will be generated. Line wise summary will be prepared. Mentioned document will be shown here and can be downloaded after click on the report in summary.

Document will be print on A3 paper. Please arrange it accordingly.

11. HYDRO TEST

Clearance (ACC / REJ)

  VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES					
PRESSURE TEST REPORT (PRESSURE PART)					
CLIENT		REPORT NO.			
PROJECT		TEST DATE			
PO NO		LOCATION			
PROCEDURE NO		LOOP NO.			
P&ID REFERENCE DRAWING		PIPING CLASS			
LINE NO. / DRAWING NO.		PIPING MATERIAL SPECIFICATION			
SPOOL NO. / TAG NO.		SERVICE			
PRE TEST CHECKS :					
DESCRIPTION		ACCEPTED	REJECTED	REMARKS	
Isometric checked as per P&ID & found correct					
Mechanical clearance satisfactory with / without punch points.					
NDT Records checked.					
Whether valves dropped?					
Flushing completed satisfactorily.					
Released for Pressure test.					
PRESSURE TEST DETAILS					
WORKING PRESSURE		DESIGN PRESSURE			
WORKING TEMPERATURE		DESIGN TEMPERATURE			
TEST PRESSURE		START TIME			
TEST MEDIUM		FINISH TIME			
TEST DURATION					
PRESSURE GAUGE 1	VALIDITY	RANGE	PRESSURE GAUGE 2	VALIDITY	RANGE
TIME	TEST PRESSURE (Kg/cm ²)	TIME	TEST PRESSURE (Kg/cm ²)	TIME	TEST PRESSURE (Kg/cm ²)
DESCRIPTION		ACCEPTED	REJECTED	REMARKS	
Leak / Pressure test found satisfactory.					
Valve leak test found satisfactory.					
Draining / Drying Completed Satisfactory					
REMARKS:					
PERFORMED BY VE EXECUTION	WITNESSED BY VE-QC	WITNESSED / REVIEWED / ACCEPTED BY CLIENT-QC / TPIA			
SIGN:					
NAME:					
DATE:					

After selection of line number and spool no., Yellow highlighted areas shall be added manually during acceptance / rejection of hydro test
 Accepted spools will be flowed further as per the below,

Here after hydro test again check point will be applicable,

- 1) Release for blasting – Painting
- 2) Release for direct Dispatch

12.DISPATCH NOTE – PAINTING

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES									
			SPOOL CLEARANCE SLIP (PIPING) / DISPATCH NOTE FOR BLASTING - PAINTING								
CLIENT :			ICS NO :								
PROJECT :			RELEASE DATE :								
WO NO :			RELEASE TO :								
SR	LINE NO. / DRAWING NO.	REV.NO	SPPOOL NO	PIPING CLASS	AREA (SQM)	PIPING MATERIAL SPECIFICATION	SERVICE	PAINTING SYSTEM NO.	FINAL COAT RAL NO.	REMARK	
CHECK POINT	TRACEABILITY										
	MARKER / PAINT / HARD PUNCH										
	METAL TAG										
	STICKER / BARCODE / STENCILING										
PREPARED BY	LOADING BY					RECEIVING BY					
SIGN											
NAME											
DATE											
VE-DOC-81 REV.00											

Offer selection will be as per the master painting requirement as mentioned in the project master.

If there will be no painting requirement for specific mentioned piping class will be release directly for site dispatch.

After selection of lines & spools, release date & release to detail will be enter one time only.

Painting system no. & Final shade will be fetched directly based on project paint master data.

13.PAINTING

13A. SURFACE PREPARATION & PRIMER OFFER

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES							
		SURFACE PREPARATION & PRIMER PAINTING INSPECTION OFFER							
CLIENT		PROJECT				REPORT NO			
WO NO.						DATE			
WEATHER CONDITION									
ACTIVITY	DATE PERFORMED	START TIME :				FINISH TIME :			
		SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C	SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C
BLASTING / SURF. PREP.									
PRIMER APPLICATION									
SURFACE CONDITION									
ORIGINAL STATUS		METAL CONDITION		METAL RUST GRADE					
PAINT SYSTEM NO.									
SURFACE PREPARATION									
BLASTING METHOD		PREP. STANDARD		ABRASIVE TYPE					
SURFACE PROFILE REQUIREMENT									
DUST LEVEL		SALT TEST REQUIRED							
PRIMER COATING									
PRIMER PAINT/SHADE		APP. METHOD		OVERCOATING PERIOD @AMBIENT TEMP.					
PAINT MANUFACTURER		DFT RANGE		HARD DRY TIME					
PAINT BATCH NO. (BASE)		MANUFACTURE DATE		SHELF LIFE					
PAINT BATCH NO. (HARDNER)									
SR. NO.	LINE NO. / DRAWING NO.	REV NO.	PIPING CLASS	SPOOL NO. / TAG NO.		REMAKRS			
NOTE:									
	OFFERED BY								
SIGN									
NAME									
DATE									

Based on dispatch note, offering will be done paint system number wise.

Yellow highlighted areas will be manual entry.

Remaining all data will be fetched from the paint master data.

VE-DOC-82 REV.00

Line number and spool number will be selected based on dispatched list / paint system no.

CLEARANCE (ACC / REJ)

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES							
		SURFACE PREPARATION & PRIMER PAINT INSPECTION REPORT							
CLIENT		PROJECT					REPORT NO		
WO NO.		PROCEDURE NO.					DATE		
WEATHER CONDITION									
ACTIVITY	DATE PERFORMED	START TIME :				FINISH TIME :			
		SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C	SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C
BLASTING / SURF. PREP.									
PRIMER APPLICATION									
SURFACE CONDITION									
ORIGINAL STATUS		METAL CONDITION			METAL RUST GRADE				
PAINT SYSTEM NO.									
SURFACE PREPARATION									
BLASTING METHOD		PREP. STANDARD			ABRASIVE TYPE				
SURFACE PROFILE REQUIREMENT		ACTUAL SURFACE PROFILE							
DUST LEVEL		SALT TEST REQUIRED			SALT TEST READING				
PRIMER COATING									
PRIMER PAINT/SHADE		APP. METHOD			OVERCOATING PERIOD @AMBIENT TEMP.				
PAINT MANUFACTURER		DFT RANGE			HARD DRY TIME				
PAINT BATCH NO. (BASE)		MANUFACTURE DATE			SHELF LIFE				
PAINT BATCH NO. (HARDNER)									
SR. NO.	LINE NO. / DRAWING NO.	REV NO.	SPool NO. / TAG NO.	AVERAGE DFT PRIMER	REMARKS				
NOTE:									
	VISHAL QC				CLIENT / TPIA				
SIGN									
NAME									
DATE									
VE-DOC-83 REV.00									

Yellow highlighted areas shall be added manually during acceptance / rejection.

Rejected spools will be flowed for re-offer in blasting – painting.

Accepted spools will be flowed further as below,

After primer paint clearance, there will a check point for

- 1) Release for MIO
- 2) Release for Site dispatch

13B. MIO PAINT OFFER

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES						
MIO PAINT INSPECTION OFFER								
CLIENT		PROJECT				REPORT NO		
WO/PO NO					DATE			
WEATHER CONDITION								
ACTIVITY	DATE PERFORMED	START TIME :				FINISH TIME :		
		SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C	SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %
MIO COAT								
INTERMEDIATE / MIO COATING								
MIO PAINT/SHADE		APP. METHOD			OVERCOATING PERIOD @AMBIENT TEMP.			
PAINT MANUFACTURER		DFT RANGE			HARD DRY TIME			
PAINT BATCH NO. (BASE)		MANUFACTURE DATE			SHELF LIFE			
PAINT BATCH NO. (HARDNER)								
SR. NO.	LINE NO. / DRAWING NO.	REV NO.	PIPING CLASS	SPOOL NO. / TAG NO.	REMARKS			
NOTE:								
	OFFERED BY							
SIGN								
NAME								
DATE								
VE-DOC-84 REV.00								

Based on surface preparation & primer acceptance, offering will be done paint system number wise.

Yellow highlighted areas will be entered manually.

Remaining all data will be fetched from the paint master data.

Line number and spool number will be selected based on dispatched list / paint system no. / Surface preparation & primer accepted data

CLEARANCE (ACC / REJ)

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES						
		MIO PAINT INSPECTION REPORT						
CLIENT		PROJECT					REPORT NO	
WO/PO NO		PROCEDURE NO.					DATE	
WEATHER CONDITION								
ACTIVITY	DATE PERFORMED	START TIME :				FINISH TIME :		
		SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C	SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %
MIO COAT								
INTERMEDIATE / MIO COATING								
MIO PAINT/SHADE		APP. METHOD			OVERCOATING PERIOD @AMBIENT TEMP.			
PAINT MANUFACTURER		DFT RANGE			HARD DRY TIME			
PAINT BATCH NO. (BASE)		MANUFACTURE DATE			SHELF LIFE			
PAINT BATCH NO. (HARDNER)								
SR. NO.	LINE NO. / DRAWING NO.	REV NO.	PIPING CLASS	SPOOL NO. / TAG NO.	Average DFT		ACC / REJ	
					MIO			
NOTE:								
	VISHAL QC			CLIENT / TPIA				
SIGN								
NAME								
DATE								
VE-DOC-85 REV.00								

Yellow highlighted areas shall be added manually during acceptance / rejection.

Rejected spools will be flowed for re-offer in MIO.

Accepted spools will be flowed further as below,

After MIO clearance, there will be a check point,

- 1) Release for Final coat
- 2) Release for Site dispatch

13C. FINAL PAINT OFFER

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES							
FINAL / TOP COAT PAINT INSPECTION OFFER									
CLIENT		PROJECT					REPORT NO		
WO/PO NO						DATE			
WEATHER CONDITION									
ACTIVITY	DATE PERFORMED	START TIME :				FINISH TIME :			
		SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C	SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C
TOP COAT / FINAL									
FINAL / TOP COATING									
FINAL PAINT/SHADE		APP. METHOD			OVERCOATING PERIOD @AMBIENT TEMP.				
PAINT MANUFACTURER		DFT RANGE			HARD DRY TIME				
PAINT BATCH NO. (BASE)		MANUFACTURE DATE			SHELF LIFE				
PAINT BATCH NO. (HARDNER)									
SR. NO.	LINE NO. / DRAWING NO.	REV NO.	PIPING CLASS	SPOOL NO. / TAG NO.		REMARKS			
NOTE:									
	OFFERED BY								
SIGN									
NAME									
DATE									
VE-DOC-86 REV.00									

Based on MIO acceptance, offering will be done paint system number wise.

Yellow highlighted areas will be entered manually.

Remaining all data will be fetched from the paint master data.

Line number and spool number will be selected based on dispatched list / paint system no. / MIO data.

CLEARANCE (ACC / REJ)

 		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES						
FINAL / TOP COAT PAINT INSPECTION REPORT								
CLIENT		PROJECT				REPORT NO		
WO/PO NO		PROCEDURE NO.				DATE		
<u>WEATHER CONDITION</u>								
ACTIVITY	DATE PERFORMED	START TIME				FINISH TIME		
		SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %	AMBIENT TEMP °C	SURFACE OR METAL TEMP °C	DEW POINT °C	RELATIVE HUMIDITY %
TOP COAT / FINAL								
<u>FINAL / TOP COATING</u>								
FINAL PAINT/SHADE		APP. METHOD				OVERCOATING PERIOD @AMBIENT TEMP.		
PAINT MANUFACTURER		DFT RANGE				HARD DRY TIME		
PAINT BATCH NO. (BASE)		MANUFACTURE DATE				SHelf LIFE		
PAINT BATCH NO. (HARDNER)								
SR. NO.	LINE NO. / DRAWING NO.	REV NO.	PIPING CLASS	SPOOL NO. / TAG NO.	Average DFT		ACC / REJ	
					FINAL / TOP COAT			
<u>NOTE:</u>								
	VISHAL QC	CLIENT / TPIA						
SIGN								
NAME								
DATE								
VE-DOC-87 REV.00								

Yellow highlighted areas shall be added manually during acceptance / rejection.

Rejected spools will be flowed for re-offer in FINAL.

Accepted spools will be flowed further as per the sequence.

14. INSPECTION RELEASE NOTE FOR SITE DISPATCH

 	VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES SPOOL SITE DISPATCH NOTE / INSPECTION RELEASE NOTE (PIPING)									
CLIENT :					IRN NO :					
PROJECT :					DATE :					
WO NO :										
SR	LINE NO / DRAWING NO.	REV.NO	PIPING CLASS	PIPING MATERIAL SPECIFICATION	SPOOL NO / TAG NO.	LHS REPORT	SURFACE PREPARATION & PRIMAR PAINT INSPECTION	MIO INSPECTION	FINAL PAINT INSPECTION	REMARK
CHECK POINT	TRACEABILITY									
	MARKER / PAINT / HARD PUNCH									
	METAL TAG									
	STICKER / BARCODE / STENCILING									
	PREPARED BY - VE				REVIEWED BY - VE			WITNESSED / RELEASED BY (CLIENT-QC / TPIA)		
SIGN										
NAME										
DATE										
VE-DOC-88 REV.00										

Line wise IRN will be generated. Multiple lines may allow to generate one IRN report.
LHS report and painting report will fetched directly from the backup data against line number and spool no.

15.DELIVERY CHALLAN & PACKING LIST

 	VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES						
DELIVERY CHALLAN AND PACKING LIST							
CONSIGNMENT NO:-							
CLIENT / PARTY NAME			PO NO.			ORIGINAL / DUPLICATE	
PROJECT			DISPATCH DATE				
DESTINATION :-							
TRUCK NO:-							
DRIVER NAME & No.							
GSTIN NO.							
E-Way Bill No							
SR NO.	LINE NO. / DRAWING NO. / ITEM	SPOOL NO.	PIPING MATERIAL SPECIFICATION	UOM	QTY	IRN NO.	Remarks
TOTAL NO PCS:-					0		
FOR VISHAL ENTERPRISE / VRISHAL ENGINEERING				RECEIVED BY CLIENT / PARTY			
AUTORISED SIGNATORY				AUTORISED SIGNATORY			

VE-DOC-89 REV.00

Based on the IRN generation, Delivery challan and packing list will be generated.

Yellow highlighted areas will be added manually.

PDF sheet will be generated separately for the Original / Duplicate.

16.SPOOL BREAK-UP SUMMARY

		VISHAL ENTERPRISE & VRISHAL ENGINEERING PRIVATE LIMITED GROUP OF COMPANIES									
SPOOL BREAK-UP SUMMARY											
CONSIGNMENT NO:-											
CLIENT / PARTY NAME							PO NO.				
PROJECT							DISPATCH DATE				
SR NO.	LINE NO. / DRAWING NO. / ITEM	SPOOL NO.	ITEM	ITEM DESCRIPTION	PIPING MATERIAL SPECIFICATION	MATERIAL GRADE	SIZE	THICKNESS	UOM	QTY	RGP NO.
TOTAL QTY: NOS										0	
TOTAL QTY: MTR										0	
FOR VISHAL ENTERPRISE / VRISHAL ENGINEERING						RECEIVED BY CLIENT / PARTY					
AUTORISED SIGNATORY						AUTORISED SIGNATORY					

VE-DOC-91 REV.00

Spool breakup summary will be generated based on the delivery challan and packing list.

Spool breakup data will be fetched directly from the delivery challan and drawing masters.

RGP number can be added manually.

17.INVOICING / BILLING

Invoicing format will be a same as used in structural PMS.

18.DPR

DPR sheet as structural all data shall be covered.