

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید سیستم های DCS و ESD ایستگاه تقویت فشار گاز بینک (قرارداد ۰۱-۰۳۱-CO-GCS-HD-BK)								
	Work Breakdown Structure (WBS)								
شماره پیمان:	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه	شماره صفحه: ۱ از ۳
۰۵۳ - ۰۷۳ - ۹۱۸۴	V 00	0001	WB	PM	120	IGK	GCS	BK	

طرح نگهداشت و افزایش تولید ۲۷ مخزن

Work Breakdown Structure (WBS)

نگهداشت و افزایش تولید میدان نفتی بینک

V00	Mar.2025	IFA	IGK	M.Fakharian	S.Faramarzpour	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
		CLIENT Doc. Number: -				

status:

IFA: Issued For Approval

IFI: Issued For Information

AFC: Approved For Construction



نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید سیستم های DCS و ESD ایستگاه تقویت فشار گاز بینک
(قرارداد ۰۱-۰۰۳۱-BK-HD-GCS-CO)



Work Breakdown Structure (WBS)

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه
V 00	0001	WB	PM	120	IGK	GCS	BK

شماره صفحه: ۲ از ۳

REVISION RECORD SHEET

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WBS	Task Name	WF	Actual Progress Last Period (%)	Actual Progress This Period (%)	Cumulative Actual Progress (%)
0	Commissioning DCE/ESD System for Binak Gas Station	100.00%	0.00%	0.00%	0.00%
1	Documents	5.00%	0.00%	0.00%	0.00%
1.1	Hardware	3.00%	0.00%	0.00%	0.00%
1.1.1	General Documents	1.00%	0.00%	0.00%	0.00%
1.1.1.1	Vendor Print Index & Schedule (VPIS)	0.06%	0.00%	0.00%	0.00%
1.1.1.2	Work Breakdown Structure (WBS)	0.05%	0.00%	0.00%	0.00%
1.1.1.3	Time Schedule	0.05%	0.00%	0.00%	0.00%
1.1.1.4	Inspection & Test Plan (ITP)	0.05%	0.00%	0.00%	0.00%
1.1.1.5	Sub Vendor List	0.03%	0.00%	0.00%	0.00%
1.1.1.6	Functional Design Specification-DCS/ESD Hardware	0.06%	0.00%	0.00%	0.00%
1.1.1.7	Functional Design Specification-DCS/ESD Software	0.06%	0.00%	0.00%	0.00%
1.1.1.8	HMI Graphic Functional Design Specification	0.06%	0.00%	0.00%	0.00%
1.1.1.9	Packing, Marking And Shipping Procedure	0.05%	0.00%	0.00%	0.00%
1.1.1.10	DCS/ESD FAT Procedure	0.06%	0.00%	0.00%	0.00%
1.1.1.11	DCS/ESD SAT Procedure	0.06%	0.00%	0.00%	0.00%
1.1.1.12	Power consumption & Heat Dissipation Calculation	0.04%	0.00%	0.00%	0.00%
1.1.1.13	Grounding Plan & Earthing Diagram Principle	0.04%	0.00%	0.00%	0.00%
1.1.1.14	DCS/ESD Typical Loop Diagram	0.04%	0.00%	0.00%	0.00%
1.1.1.15	Architecture Diagram	0.06%	0.00%	0.00%	0.00%
1.1.1.16	Auxiliary Console & Desk Layout, Arrangement/wiring Diagram	0.06%	0.00%	0.00%	0.00%
1.1.1.17	HMI Graphic Pages	0.04%	0.00%	0.00%	0.00%
1.1.1.18	Manual/Catalogue	0.03%	0.00%	0.00%	0.00%
1.1.1.19	Spare part list for commissioning and two years operation	0.05%	0.00%	0.00%	0.00%
1.1.1.20	Packing List	0.03%	0.00%	0.00%	0.00%
1.1.1.21	FAT Report	0.03%	0.00%	0.00%	0.00%
1.1.2	DCS System Documents	1.00%	0.00%	0.00%	0.00%
1.1.2.1	DCS IO Allocation	0.23%	0.00%	0.00%	0.00%
1.1.2.2	DCS Cabinets Layout/wiring Diagram	0.23%	0.00%	0.00%	0.00%
1.1.2.3	DCS Bill of Material/License LIST	0.18%	0.00%	0.00%	0.00%
1.1.2.4	DCS Loop Diagram Printout	0.18%	0.00%	0.00%	0.00%
1.1.2.5	DCS Application Software Printout	0.18%	0.00%	0.00%	0.00%
1.1.3	ESD System Documents	1.00%	0.00%	0.00%	0.00%
1.1.3.1	ESD IO Allocation	0.18%	0.00%	0.00%	0.00%
1.1.3.2	ESD Cabinets Layout/wiring Diagram	0.18%	0.00%	0.00%	0.00%
1.1.3.3	ESD Bill of Material/LICENS LIST	0.16%	0.00%	0.00%	0.00%
1.1.3.4	ESD Loop Diagram Printout	0.16%	0.00%	0.00%	0.00%
1.1.3.5	ESD Application Software Printout	0.16%	0.00%	0.00%	0.00%
1.1.3.6	ESD Modbus Mapping list	0.16%	0.00%	0.00%	0.00%
1.2	Software	2.00%	0.00%	0.00%	0.00%
1.2.1	DCS System Logic	0.75%	0.00%	0.00%	0.00%
1.2.3	ESD System Logic	0.75%	0.00%	0.00%	0.00%
1.2.4	HMI	0.50%	0.00%	0.00%	0.00%
2	Procutement and Supply Row Material	50.00%	0.00%	0.00%	0.00%
2.1	DCS Cabinets	20.00%	0.00%	0.00%	0.00%
2.1.1	Main Equipment (Card Module,CPU,Power Supply,Barrier,Relay,...)	15.00%	0.00%	0.00%	0.00%
2.1.6	Bulk Mterial (Terminal,Wire,Fan,Fuse...)	2.50%	0.00%	0.00%	0.00%
2.1.7	Body of Cabinets	2.50%	0.00%	0.00%	0.00%
2.2	ESD Cabinets	15.00%	0.00%	0.00%	0.00%
2.2.1	Main Equipment (Card Module,CPU,Power Supply,Barrier,Relay,Logic Solver,...)	10.00%	0.00%	0.00%	0.00%
2.2.2	Body of Cabinets	2.50%	0.00%	0.00%	0.00%
2.2.3	Bulk Mterial (Terminal,Wire,Fan,Fuse,...)	2.50%	0.00%	0.00%	0.00%
2.3	Network and Supervisor	15.00%	0.00%	0.00%	0.00%
2.3.1	Auxiliary Console For ESD System	2.00%	0.00%	0.00%	0.00%
2.3.2	Station and Server	5.00%	0.00%	0.00%	0.00%
2.3.3	Desk and Furniture	2.00%	0.00%	0.00%	0.00%
2.3.4	Switch and Firewall	2.00%	0.00%	0.00%	0.00%
2.3.5	Body of Network Cabinets with Rack 42U	2.00%	0.00%	0.00%	0.00%
2.3.6	Laptop for DCS ans ESD System and Printer	1.00%	0.00%	0.00%	0.00%
2.3.7	Large Screen Manitor (62") and Manitor	1.00%	0.00%	0.00%	0.00%
3	Fabrication and Assemble	30.00%	0.00%	0.00%	0.00%
3.1	DCS Cabinets	12.50%	0.00%	0.00%	0.00%
3.1.1	DCS System Cabinets	7.50%	0.00%	0.00%	0.00%
3.1.2	DCS Marshalling Cabinets	5.00%	0.00%	0.00%	0.00%
3.2	ESD Cabients	10.00%	0.00%	0.00%	0.00%
3.2.1	ESD System Cabinets	7.50%	0.00%	0.00%	0.00%
3.2.2	ESD Marshalling Cabinets	2.50%	0.00%	0.00%	0.00%
3.3	Network Cabinet	5.00%	0.00%	0.00%	0.00%
3.3.1	Network Cabinet	5.00%	0.00%	0.00%	0.00%
3.4	Desk and Auxiliary Console	2.50%	0.00%	0.00%	0.00%
3.4.4	Desk and Auxiliary Console	2.50%	0.00%	0.00%	0.00%
4	PreFAT	1.00%	0.00%	0.00%	0.00%
4.1	PreFAT for DCS and ESD System Integrated (Software and Hardware PreFAT)	1.00%	0.00%	0.00%	0.00%
5	FAT	10.00%	0.00%	0.00%	0.00%
5.1	FAT DCS and ESD System Integrated (Software and Hardware FAT)	10.00%	0.00%	0.00%	0.00%
6	Delivery	2.00%	0.00%	0.00%	0.00%
6.1	Packing and Delivery to Site (all of Packages)	2.00%	0.00%	0.00%	0.00%
7	Final Data Book	2.00%	0.00%	0.00%	0.00%
7.1	Vendor Final Data Book Index	0.10%	0.00%	0.00%	0.00%
7.2	Final Data Book Preparation	1.90%	0.00%	0.00%	0.00%