

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید مخازن ذخیره ایستگاه تقویت فشار گاز بینک قرارداد (BK-HD-GCS-CO-0026_00)							  	
	WORK BREAKDOWN STRUCTURE								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده IDR	تسهیلات 120	رشته PM	نوع مدرک WB	سریال 0001	نسخه V00	شماره صفحه: ۱ از ۵

طرح نگهداشت و افزایش تولید ۲۷ مخزن

WORK BREAKDOWN STRUCTURE

نگهداشت و افزایش تولید میدان نفتی بینک

V00	NOV. 2024	IFA	iDrill M.E.	M.Fakharian	M.Sadeghian	
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 مخازن ذخیره ایستگاه تقویت فشار گاز بینک قرارداد (BK-HD-GCS-CO-0026 00)								
	Work Breakdown Structure								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	IDR	120	PM	WB	0001	V00	شماره صفحه: ۲ از ۵

REVISION RECORD SHEET											
Page	V00	V01	V02	V03	V04	Page	V00	V01	V02	V03	V04
1	X					65					
2	X					66					
3	X					67					
4	X					68					
5	X					69					
6						70					
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64						128					

 NISOC	تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خریدمخازن ذخیره ایستگاه تقویت فشار گاز بینک (قرارداد BK-HD-GCS-CO-0026_00)	 						
	Work Breakdown Structure							
شماره پیمان: ۰۵۳-۰۷۳-۹۱۸۴	BK-GCS-IDR-120-PM-WB-0001	شماره صفحه: ۳ از ۵						
WBS	Task Name	Total Weight Factor						
			Weight Factor Sub-Level					
			Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1	project Air Cooler(Binak Oilfield Development , New Gas Compressor Station)	100.00%	100.00%					
1.1	Advanced Payment Date							
1.2	Effective Date							
1.3	PIM	1.00%		1.00%				
1.4	Documentation	5.00%		5.00%				
1.4.1	Documentation according to VPIS	4.50%			90.00%			
1.4.1.1	General/ Management	0.23%				5.00%		
1.4.1.1.1	VENDOR PRINT INDEX & SCHEDULE (VPIS)	0.03%					14.29%	
1.4.1.1.2	WORK BEAKDOWN STRUCTURE	0.03%					14.29%	
1.4.1.1.3	TIME SCHEDULE	0.03%					14.29%	
1.4.1.1.4	FINAL VENDOR DATA BOOK INDEX	0.03%					14.29%	
1.4.1.1.5	SUB VENDOR LIST	0.03%					14.29%	
1.4.1.1.6	SPARE PART LIST	0.03%					14.29%	
1.4.1.1.7	FINAL VENDOR DATA BOOK	0.03%					14.29%	
1.4.1.2	Procedure/Plan	0.23%				5.00%		
1.4.1.2.1	INSPECTION & TEST PLAN (ITP)	0.03%					12.50%	
1.4.1.2.2	FABRICATION PROCEDURE	0.03%					12.50%	
1.4.1.2.3	WPS & PQR	0.03%					12.50%	
1.4.1.2.4	NDT PROCEDURE	0.03%					12.50%	
1.4.1.2.5	WELDING REPAIR PROCEDURE	0.03%					12.50%	
1.4.1.2.6	VACUUM & OIL LEAK TEST PROCEDURE	0.03%					12.50%	
1.4.1.2.7	HYDROSTATIC TEST PROCEDURE	0.03%					12.50%	
1.4.1.2.8	BLASTING, PAINTING AND LINING PROCEDURE	0.03%					12.50%	
1.4.1.3	Elevated Potable Water Tank (TK-2209)	0.36%				8.00%		
1.4.1.3.1	Calculation	0.22%					60.00%	
1.4.1.3.1.1	MECHANICAL CALCULATION BOOK FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.22%						100.00%
1.4.1.3.2	Drawing	0.14%					40.00%	
1.4.1.3.2.1	GENERAL ARRANGEMENT FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.07%						50.00%
1.4.1.3.2.2	DETAIL DRAWING FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.06%						45.00%
1.4.1.3.2.3	NAME PLATE DETAIL DRAWING FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.01%						5.00%
1.4.1.4	Lean Glycol Storage Tank (TK-2102)	0.54%				12.00%		
1.4.1.4.1	Calculation	0.32%					60.00%	
1.4.1.4.1.1	MECHANICAL CALCULATION BOOK FOR LEAN GLYCOL STORAGE TANK (TK-2102)	0.32%						100.00%
1.4.1.4.2	Drawing	0.22%					40.00%	
1.4.1.4.2.1	GENERAL ARRANGEMENT FOR FLEAN GLYCOL STORAGE TANK (TK-2102)	0.11%						50.00%
1.4.1.4.2.2	DETAIL DRAWING FOR LEAN GLYCOL STORAGE TANK (TK-2102)	0.10%						45.00%
1.4.1.4.2.3	NAME PLATE DETAIL DRAWING FOR LEAN GLYCOL STORAGE TANK (TK-2102)	0.01%						5.00%
1.4.1.5	Fire Water Tanks (TK-2301 A/B)	3.15%				70.00%		
1.4.1.5.1	Calculation	1.89%					60.00%	
1.4.1.5.1.1	MECHANICAL CALCULATION BOOK FOR FIRE WATER TANKS (TK-2301 A/B)	0.95%						50.00%

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	Work Breakdown Structure	شماره صفحه: ۳ از ۵					
شماره پیمان: ۰۵۳-۰۷۳-۹۱۸۴	BK-GCS-IDR-120-PM-WB-0001	Total Weight Factor					
WBS	Task Name		Weight Factor Sub-Level				
			Level 1	Level 2	Level 3	Level 4	Level 5
1.4.1.5.1.2	ROOF STRUCTURE CALCULATION FOR FIRE WATER TANKS (TK-2301 A/B)	0.95%					50.00%
1.4.1.5.2	Drawing	1.26%					40.00%
1.4.1.5.2.1	GENERAL ARRANGEMENT FOR FIRE WATER TANKS (TK-2301 A/B)	0.63%					50.00%
1.4.1.5.2.2	DETAIL DRAWINGS FOR FIRE WATER TANKS (TK-2301 A/B)	0.57%					45.00%
1.4.1.5.2.3	NAME PLATE DETAIL DRAWING FOR FIRE WATER TANKS (TK-2301 A/B)	0.06%					5.00%
1.4.2	Welder Qualification Test (WQT)	0.15%			3.00%		
1.4.3	PQR	0.15%			3.00%		
1.4.4	NDT Personnel Qualification	0.10%			2.00%		
1.4.5	Verification of Calibration Certificate	0.10%			2.00%		
1.5	Test and Inspection Activities	87.00%		87.00%			
1.5.1	Storage Tank (TK-2102(Glycol Storage Tank), TK-2301A, TK-2301B (Fire Water Tank))	82.28%			94.57%		
1.5.1.1	Material Inspection	41.14%				50.00%	
1.5.1.1.1	Raw Material Inspection	28.80%					70.00%
1.5.1.1.2	Welding Consumable	12.34%					30.00%
1.5.1.2	Inspection of Shop Fabrication	7.40%				9.00%	
1.5.1.2.1	Marking, Cutting, Edge Preparation	1.85%					25.00%
1.5.1.2.2	Welding	2.96%					40.00%
1.5.1.2.3	NDT Tests (MT, PT, RT, UT)	0.37%					5.00%
1.5.1.2.4	Rolling, Saddle & Support Settlement	2.22%					30.00%
1.5.1.3	Loading & Shipping from Shop to Site	1.65%				2.00%	
1.5.1.3.1	Packing & shipping Inspection	1.65%					100.00%
1.5.1.4	Erection	23.04%				28.00%	
1.5.1.4.1	Fit Up((Annular, Shell, Roof))	3.46%					15.00%
1.5.1.4.2	Sand Blast for Bottom Plate	1.15%					5.00%
1.5.1.4.3	Marking & Cutting of Nozzles / Manholes Locations	2.30%					10.00%
1.5.1.4.4	Fit Up Nozzles / Manholes to Shell &Roof	1.15%					5.00%
1.5.1.4.5	Fit Up Roof Structure	2.30%					10.00%
1.5.1.4.6	Fit Up External / Internal Attachments	1.15%					5.00%
1.5.1.4.7	Welding	6.91%					30.00%
1.5.1.4.8	Final Inspection	1.15%					5.00%
1.5.1.4.9	NDT (RT, PT, MT, UT, VT)	1.15%					5.00%
1.5.1.4.10	Oil Leak Test	1.15%					5.00%
1.5.1.4.11	Vacuum & Pad Test	1.15%					5.00%
1.5.1.5	Hydrostatic Test	4.11%				5.00%	
1.5.1.5.1	Calibration certificate	0.21%					5.00%
1.5.1.5.2	Hydrostatic test	3.91%					95.00%
1.5.1.6	Surface Preparation & painting inspection	4.11%				5.00%	
1.5.1.6.1	Paint Material Insp.	1.23%					30.00%
1.5.1.6.2	Surface Preparation	1.23%					30.00%
1.5.1.6.3	Painting Inspection	1.23%					30.00%

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	Work Breakdown Structure							
شماره پیمان: ۰۵۳-۰۷۳-۹۱۸۴	BK-GCS-IDR-120-PM-WB-0001	Total Weight Factor	شماره صفحه: ۳ از ۵					
WBS	Task Name		Weight Factor Sub-Level					
			Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1.5.1.6.4	Final Inspection	0.41%					10.00%	
1.5.1.7	Name plate	0.82%				1.00%		
1.5.1.7.1	Name Plate	0.823%					100.00%	
1.5.2	Potable Tank (TK-2209)	4.72%			5.43%			
1.5.2.1	Material Inspection	2.36%				50.00%		
1.5.2.1.1	Raw Material Inspection	1.65%					70.00%	
1.5.2.1.2	Welding Consumable	0.71%					30.00%	
1.5.2.2	Inspection During Fabrication	1.61%				34.00%		
1.5.2.2.1	Marking, Cutting, Edge Preparation	0.32%					20.00%	
1.5.2.2.2	Rolling	0.16%					10.00%	
1.5.2.2.3	Structure part Fabrication	0.24%					15.00%	
1.5.2.2.4	Fit up	0.32%					20.00%	
1.5.2.2.5	Welding	0.48%					30.00%	
1.5.2.2.6	NDT after welding	0.08%					5.00%	
1.5.2.3	Final Visual & Dimensional	0.24%				5.00%		
1.5.2.3.1	Final Visual and Dimensional Inspection	0.24%					100.00%	
1.5.2.4	Hydrostatic Test	0.24%				5.00%		
1.5.2.4.1	Calibration certificate	0.02%					10.00%	
1.5.2.4.2	Hydrostatic test	0.19%					80.00%	
1.5.2.4.3	Draining & Drying	0.02%					10.00%	
1.5.2.5	Surface Preparation & painting inspection	0.24%				5.00%		
1.5.2.5.1	Paint Material Insp.	0.07%					30.00%	
1.5.2.5.2	Surface Preparation	0.07%					30.00%	
1.5.2.5.3	Painting Inspection	0.07%					30.00%	
1.5.2.5.4	Final Inspection	0.02%					10.00%	
1.5.2.6	Name plate	0.05%				1.00%		
1.5.2.6.1	Name Plate Check	0.02%					50.00%	
1.5.2.6.2	Packing & Shipping Inspection	0.02%					50.00%	
1.6	INSPECTION RELEASE NOTE	1.00%		1.00%				
1.6.1	Release Note	1.00%			100.00%			
1.7	INSPECTION CERTIFICATE	1.00%		1.00%				
1.7.1	Inspection Certificate	1.00%			100.00%			
1.8	FINAL DATA BOOK	5.00%		5.00%				
1.8.1	Final Document Preparation	5.00%			100.00%			