

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج کولرهای هوایی ایستگاه تقویت فشار گاز بینک (قرارداد BK-HD-GCS-CO-0026_002)							  	
	WORK BREAKDOWN STRUCTURE								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	نسخه	سریال	نوع مدرک	رشته	تهیلات	صادر کننده	بسته کاری	پروژه	شماره صفحه: 1 از 6
	V01	0001	WB	PM	120	IDR	GCS	BK	

طرح نگهداشت و افزایش تولید ۲۷ مخزن

WORK BREAKDOWN STRUCTURE

نگهداشت و افزایش تولید میدان نفتی بینک

V01	Jan. 2025	AFC	iDrill M.E.	M.Fakharian	S. Faramarzpour	
V00	OCT. 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:

IFR: 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 پکیج کولرهای هوایی 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	شماره صفحه : 2 از 6
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	IDR	120	PM	WB	0001	V01	

REVISION RECORD SHEET											
Page	V00	V01	V02	V03	V04	Page	V00	V01	V02	V03	V04
1	X	X				65					
2	X	X				66					
3	X	X				67					
4	X	X				68					
5	X	X				69					
6		X				70					
7						71					
8						72					
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61						125					
62						126					
63						127					
64						128					

 NISOC	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: 053-073-9184	BK-GCS-IDR-120-PM-WB-0001-V01	شماره صفحه: 3 از 6						
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	5.00%			100.00%			
1.4.1.1	General/ Management	0.25%				5.00%		
1.4.1.1.1	VENDOR PRINT INDEX & SCHEDULE (VPIS)	0.04%					14.29%	
1.4.1.1.2	WORK BEAKDOWN STRUCTURE	0.04%					14.29%	
1.4.1.1.3	TIME SCHEDULE	0.04%					14.29%	
1.4.1.1.4	FINAL VENDOR DATA BOOK INDEX	0.04%					14.29%	
1.4.1.1.5	SUB VENDOR LIST	0.04%					14.29%	
1.4.1.1.6	SPARE PART LIST	0.04%					14.29%	
1.4.1.1.7	FINAL VENDOR DATA BOOK	0.04%					14.29%	
1.4.1.2	Procedure/Plan	0.25%				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)	0.50%				10.00%		
1.4.1.3.1	Calculation	0.30%					60.00%	
1.4.1.3.1.1	MECHANICAL CALCULATION BOOK FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.30%						100.00%
1.4.1.3.2	Drawing	0.20%					40.00%	
1.4.1.3.2.1	GENERAL ARRANGEMENT FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.12%						60.00%
1.4.1.3.2.2	DETAIL DRAWING FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.04%						20.00%
1.4.1.3.2.3	NAME PLATE DETAIL DRAWING FOR ELEVATED POTABLE WATER TANK (TK-2209)	0.04%						20.00%
1.4.1.4	Lean Glycol Storage Tank (TK-2102)	0.60%				12.00%		
1.4.1.4.1	Calculation	0.36%					60.00%	
1.4.1.4.1.1	MECHANICAL CALCULATION BOOK FOR LEAN GLYCOL STORAGE TANK (TK-2102)	0.36%						100.00%
1.4.1.4.2	Drawing	0.24%					40.00%	
1.4.1.4.2.1	GENERAL ARRANGEMENT FOR FLEAN GLYCOL STORAGE TANK (TK-2102)	0.14%						60.00%
1.4.1.4.2.2	DETAIL DRAWING FOR LEAN GLYCOL STORAGE TANK (TK-2102)	0.05%						20.00%
1.4.1.4.2.3	NAME PLATE DETAIL DRAWING FOR LEAN GLYCOL STORAGE TANK (TK-2102)	0.05%						20.00%
1.4.1.5	Fire Water Tanks (TK-2301 A/B)	3.40%				68.00%		
1.4.1.5.1	Calculation	2.04%					60.00%	
1.4.1.5.1.1	MECHANICAL CALCULATION BOOK FOR FIRE WATER TANKS (TK-2301 A/B)	1.22%						60.00%

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	Work Breakdown Structure	شماره صفحه: 4 از 6						
شماره پیمان: 053-073-9184	BK-GCS-IDR-120-PM-WB-0001-V01	Total Weight Factor						
WBS	Task Name		Weight Factor Sub-Level					
			Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1.4.1.5.1.2	ROOF STRUCTURE CALCULATION FOR FIRE WATER TANKS (TK-2301 A/B)	0.82%						40.00%
1.4.1.5.2	Drawing	1.36%					40.00%	
1.4.1.5.2.1	GENERAL ARRANGEMENT FOR FIRE WATER TANKS (TK-2301 A/B)	0.82%						60.00%
1.4.1.5.2.2	DETAIL DRAWINGS FOR FIRE WATER TANKS (TK-2301 A/B)	0.27%						20.00%
1.4.1.5.2.3	NAME PLATE DETAIL DRAWING FOR FIRE WATER TANKS (TK-2301 A/B)	0.27%						20.00%
1.5	Fabrication	87.00%		87.00%				
1.5.1	Storage Tank (TK-2102(Glycol Storage Tank), TK-2301A, TK-2301B (Fire Water Tank))	78.30%			90.00%			
1.5.1.1	Material Inspection	39.15%				50.00%		
1.5.1.1.1	Raw Material Inspection	38.37%					98.00%	
1.5.1.1.1.1	Plate	30.69%						80.00%
1.5.1.1.1.2	pipe & Profile	3.84%						10.00%
1.5.1.1.1.3	Flange	1.73%						4.50%
1.5.1.1.1.4	Paint	1.73%						4.50%
1.5.1.1.1.5	etc.	0.38%						1.00%
1.5.1.1.2	Welding Consumable	0.78%					2.00%	
1.5.1.2	Inspection of Shop Fabrication	15.66%				20.00%		
1.5.1.2.1	Marking, Cutting, Edge Preparation	8.61%					55.00%	
1.5.1.2.1.1	Body	7.75%						90.00%
1.5.1.2.1.2	Nozzle	0.26%						3.00%
1.5.1.2.1.3	structure	0.60%						7.00%
1.5.1.2.2	Welding	1.57%					10.00%	
1.5.1.2.2.1	Body	1.41%						90.00%
1.5.1.2.2.2	Nozzle	0.05%						3.00%
1.5.1.2.2.3	structure	0.11%						7.00%
1.5.1.2.3	NDT Tests (MT, PT, RT, UT)	0.78%					5.00%	
1.5.1.2.3.1	Body	0.73%						93.00%
1.5.1.2.3.2	Nozzle	0.05%						7.00%
1.5.1.2.4	Rolling, Saddle & Support Settlement	4.70%					30.00%	
1.5.1.3	Loading & Shipping from Shop to Site	1.57%				2.00%		
1.5.1.3.1	Packing & shipping Inspection	1.57%					100.00%	
1.5.1.4	Erection	15.66%				20.00%		
1.5.1.4.1	Fit Up((Annular, Shell, Roof))	2.66%					17.00%	
1.5.1.4.2	Sand Blast for Bottom Plate	0.63%					4.00%	
1.5.1.4.3	Marking & Cutting of Nozzles / Manholes Locations	1.57%					10.00%	
1.5.1.4.4	Fit Up Nozzles / Manholes to Shell &Roof	0.63%					4.00%	
1.5.1.4.5	Fit Up Roof Structure	1.10%					7.00%	
1.5.1.4.6	Fit Up External / Internal Attachments	0.63%					4.00%	
1.5.1.4.7	Welding	6.26%					40.00%	
1.5.1.4.8	Final Inspection	0.55%					3.50%	
1.5.1.4.9	NDT (RT, PT, MT, UT, VT)	0.55%					3.50%	

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	Work Breakdown Structure	شماره صفحه: 5 از 6						
شماره پیمان: 053-073-9184	BK-GCS-IDR-120-PM-WB-0001-V01	Total Weight Factor						
WBS	Task Name		Weight Factor Sub-Level					
			Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1.5.1.4.10	Oil Leak Test	0.55%					3.50%	
1.5.1.4.11	Vacuum & Pad Test	0.55%					3.50%	
1.5.1.5	Hydrostatic Test	2.74%				3.50%		
1.5.1.5.1	Calibration certificate	0.14%					5.00%	
1.5.1.5.2	Hydrostatic test	2.60%					95.00%	
1.5.1.6	Surface Preparation & painting inspection	2.74%				3.50%		
1.5.1.6.1	Paint Material Insp.	0.82%					30.00%	
1.5.1.6.2	Surface Preparation	0.82%					30.00%	
1.5.1.6.3	Painting Inspection	0.82%					30.00%	
1.5.1.6.4	Final Inspection	0.27%					10.00%	
1.5.1.7	Name plate	0.78%				1.00%		
1.5.1.7.1	Name Plate check	0.783%					100.00%	
1.5.2	Potable Tank (TK-2209)	8.70%			10.00%			
1.5.2.1	Material Inspection	4.35%				50.00%		
1.5.2.1.1	Raw Material Inspection	4.26%					98.00%	
1.5.1.1.1.1	Plate	3.41%						80.00%
1.5.1.1.1.2	pipe & Profile	0.43%						10.00%
1.5.1.1.1.3	Flange	0.19%						4.50%
1.5.1.1.1.4	Paint	0.19%						4.50%
1.5.1.1.1.5	etc.	0.04%						1.00%
1.5.2.1.2	Welding Consumable	0.09%					2.00%	
1.5.2.2	Inspection During Fabrication	2.96%				34.00%		
1.5.2.2.1	Marking, Cutting, Edge Preparation	0.89%					30.00%	
1.5.1.2.1.1	Body	0.75%						85.00%
1.5.1.2.1.2	Nozzle	0.03%						3.00%
1.5.1.2.1.3	structure	0.11%						12.00%
1.5.2.2.2	Rolling	0.30%					10.00%	
1.5.2.2.3	Structure part Fabrication	0.44%					15.00%	
1.5.2.2.4	Fit up	0.59%					20.00%	
1.5.1.2.1.1	Body	0.55%						93.00%
1.5.1.2.1.2	Nozzle	0.04%						7.00%
1.5.2.2.5	Welding	0.59%					20.00%	
1.5.1.2.1.1	Body	8.01%						93.00%
1.5.1.2.1.2	Nozzle	0.60%						7.00%
1.5.2.2.6	NDT after welding	0.15%					5.00%	
1.5.1.2.1.1	Body	0.14%						93.00%
1.5.1.2.1.2	Nozzle	0.01%						7.00%
1.5.2.3	Final Visual & Dimensional	0.44%				5.00%		
1.5.2.3.1	Final Visual and Dimensional Inspection	0.44%					100.00%	
1.5.2.4	Hydrostatic Test	0.44%				5.00%		



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)



WBS	Task Name	Total Weight Factor	شماره صفحه: 6 از 6					
			Weight Factor Sub-Level					
			Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1.5.2.4.1	Calibration certificate	0.04%					10.00%	
1.5.2.4.2	Hydrostatic test	0.35%					80.00%	
1.5.2.4.3	Draining & Drying	0.04%					10.00%	
1.5.2.5	Surface Preparation & painting inspection	0.44%				5.00%		
1.5.2.5.1	Paint Material Insp.	0.13%					30.00%	
1.5.2.5.2	Surface Preparation	0.13%					30.00%	
1.5.2.5.3	Painting Inspection	0.13%					30.00%	
1.5.2.5.4	Final Inspection	0.04%					10.00%	
1.5.2.6	Name plate	0.04%				0.50%		
1.5.2.6.1	Name Plate Check	0.04%					100.00%	
1.5.2.6.2	Packing & Shipping Inspection	0.04%				0.50%		
1.5.2.6.2.1	Packing & shipping Inspection	0.04%					100.00%	
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%			