

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی، و تسهیلات برق رسانی مربوط به موقعیت BK05							
شماره پیمان: 053 - 073 - 9184	MTO FOR EARTHING & LIGHTNING SYSTEMS - BK05							شماره صفحه: 2 از 4
	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	
	BK	BK05	PEDCO	110	EL	MT	0006	D00

REVISION RECORD SHEET

PAGE	D00	D01	D02	D03	D04
1	X				
2	X				
3	X				
4	X				
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

PAGE	D00	D01	D02	D03	D04
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی، و تسهیلات برق رسانی مربوط به موقعیت BK05								
شماره پیمان: 053 – 073 – 9184	MTO FOR EARTHING & LIGHTNING SYSTEMS - BK05							شماره صفحه 3 از 4	
	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال		نسخه
	BK	BK05	PEDCO	110	EL	MT	0006		D00

MTO for Earthing & Lightning Systems – BK05						
Item	Description	Unit	Earthing	Lightning	Spare	Total
1	Bare Round Earthing Copper Conductor 70 mm ²	m	720	0	20	740
2	Earthing Copper Wire, G/Y PVC Insulated 35 mm ²	m	370	0	30	400
3	Earthing Copper Wire, G/Y PVC Insulated 70 mm ²	m	75	0	10	85
4	Earthing Copper Wire, G/Y PVC Insulated 300 mm ²	m	15	0	5	20
5	Stainless Steel 316L/Copper Earthing Rod with 19 mm Diameter and 2x1.5 m Length (One End Sharp, One End Flat) With All Accessories.	Set.	2	2	1	5
6	Stainless Steel 316L /Copper Earthing Rod with 19 mm Diameter and 2x1.5m Length (One End Sharp, One End Flat) With All Accessories. &Test Earth Pit	Set.	2	0	0	2
7	Copper Clamp for Connecting Round Conductor Size of 300 mm ² to Earth Rod	No.	1	0	1	2
8	Copper Clamp for Connecting Round Conductor Size of 70 mm ² to Earth Rod	No.	3	4	1	8
9	Tinned Copper Earth Bar with disconnect link on both end with 10 Holes, HDG Fixing Base , "Ω" Base,	Set.	2	0	1	3
10	Crimp Type Earthing Terminal Lug 300 Sqmm, Tinned Copper Type (With Suitable Bolt & Nut With 1-Spring,2-Flat Washers, Size M12, tin plated or bronze	No.	1	0	0	1
11	Crimp Type Earthing Terminal Lug 70 Sqmm, Tinned Copper Type (With Suitable Bolt & Nut With 1-Spring,2-Flat Washers, Size M12, tin plated or bronze	No.	9	0	1	10
12	Crimp Type Earthing Terminal Lug 35 Sqmm, Tinned Copper Type (With Suitable Bolt & Nut With 1-Spring,2-Flat Washers, Size M12, tin plated or bronze	No.	21	0	4	25
13	Exothermic Mould for T Connection300/300/300 mm ²	Set.	1	0	0	1
14	Exothermic Mould for T Connection70/300/70 mm ²	Set.	1	0	0	1
15	Exothermic Mould for T Connection35/70/35 mm ²	Set.	3	0	1	4
16	Exothermic Mould for T Connection70/70/70 mm ²	Set.	2	0	0	2
17	Exothermic Welding Powder Suitable for 3 Ways Connections 70/300/70 including disc and starter	No.	1	0	0	1
18	Exothermic Welding Powder Suitable for 3 Ways Connections 300/300/300 including disc and starter	No.	1	0	0	1
19	Exothermic Welding Powder Suitable for 3 Ways Connections 35/70/35 including disc and starter	No.	21	0	4	25
20	Exothermic Welding Powder Suitable for 3 Ways Connections 70/70/70 including disc and starter	No.	12	0	2	14
21	Copper nickel Chrome Coated Air Terminal Class I, 19mm Diameter, 0.6m Length with, with all accessories Thread	Set.	0	4	0	4
22	Air Terminal Saddle Suitable for 0.6m Air Terminal, also Suitable for Connecting 25x3 mm ² Flat tape to rod	No.	0	4	0	4

	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی، و تسهیلات برق رسانی مربوط به موقعیت BK05								
شماره پیمان: 053 - 073 - 9184	MTO FOR EARTHING & LIGHTNING SYSTEMS - BK05							شماره صفحه: 4 از 4	
	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال		نسخه
	BK	BK05	PEDCO	110	EL	MT	0006		D00

MTO for Earthing & Lightning Systems – BK05						
Item	Description	Unit	Earthing	Lightning	Spare	Total
23	Flat Copper Tape with 25 mm Width and 3 mm Thickness	m	0	110	10	120
24	Clip Suitable for 25*3 mm ² Flat Copper Tape fixing, with all accessories	No.	0	120	10	130
25	Test Link Suitable for 25*3 mm ² Copper Tape and 70 mm ² Round Wire, with all accessories	Set.	0	4	0	4
26	Installation tools kit for thermo weld connection comprising flint gun, glove, scraper & brush	Set	1		0	1

Notes:

- 1- This document shall be Based on below references:

Document Title: "Calculation Note For Earthing & Lightning System of Well Pads"

Document No.: "BK-SSGRL-PEDCO-110-EL-CN-0007"

Document Title: "Earthing & Lightning Layout for well pads"

Document No.: "BK-SSGRL-PEDCO-110-EL-PY-0010"