

DRILLING ACTIVITIES IN THE KHARAS REGION UNDER THE ESGASNKR PROJECT BILL OF QUANTITIES

Item No	Description	Unit	Qty	Rate
1.0 MOBILISATION TO SITE				
1-1	Movement of all equipment, material and personnel between sites, Establishment of Own Facilities on Site	km	2000	
1-2	Mobilisation and set-up of plant to/at first borehole	Sum	1	
1-3	Set-up of plant per boreholes (after first)	No	5	
1-4	De-establishment from site	Sum	1	
2-0 DRILLING (Unconsolidated sediments and igneous, metamorphic and fractured carbonate rocks)				
2-1 Rotary air percussion with foam - 0 to 150m				
2-1-1	165 mm diameter	m	550	
2-1-2	203 mm diameter		0	
			0	
2-1-3	254 or 216 mm diameter			
2-1-4	305 mm diameter		0	
3-0 CASING (supplied, delivered and installed)				
3-1 PVC casing				
3-1-1	65 mm ID (minimum wall thickness 4 mm)	m	70	
3-1-2	215 mm ID (minimum wall thickness 4.5 mm)	m	0	
3-1-3	254 mm ID (minimum wall thickness 4.5 mm)	m	0	
3-2 PVC casing (slotted, width 3-4 mm)				
3-2-1	165 mm ID (minimum wall thickness 4 mm)	m	480	
3-2-2	215 mm ID (minimum wall thickness 4.5 mm)	m	0	
3-2-3	254 mm ID (minimum wall thickness 4.5 mm)	m	0	
4-0 CASING SHOES - For drill & drive - on instruction				
4-1	To fit 165 mm ID PVC casing	m	6	
4-2	To fit 215 mm ID PVC casing	m	0	
4-3	To fit 254 mm ID PVC casing	m	0	
5-0 REAMING OF BOREHOLES				
5-1	152 mm / 165 mm to 203 mm or 219 mm diameter	m	120	
5-2	203 mm or 219 mm to 254 mm diameter	m	0	
5-3	152 mm or 165 mm to 254 mm diameter	m	0	
6-0	Recovery of PVC Casing	m	0	
7-0	Gravel Packaging	Per/kg	2500	

8-0	Concrete Collar (complete per borehole)	No	6	
9-0				
9-1	Type I (254 mm hole & 165 mm ID casing)	m	0	
9-2	Type II (305 mm hole & 215/254 mm ID casing)	m	0	
10-0	Fit end plugs and caps on casing	No	6	
11-0	Borehole Protection (complete per borehole)			
11-1	Borehole Ø 165 casing lid	No	6	
12-0	Borehole Marking (complete per borehole)	No	0	
13-0	Data Recording and Reporting (complete per borehole)	No	6	
14-0	Development of Borehole (also for blow yield)	Hr	0	