



OIL & GAS DEVELOPMENT COMPANY LIMITED

REQUEST FOR QUOTATION (SERVICES)

OGDCL House, Jinnah Avenue, Islamabad Pakistan

Description: Hiring of Wireline Logging and Perforation Services
in KPK & Baluchistan Provinces

RFQ No.: PROC-SERVICES/CB/WL-6400000015/2022

Bid bond: USD 120,000/- for open hole & USD 80,000/- for cased hole

Bid Bond Validity: 210 days from technical bid opening

Tax: Prices are inclusive of all applicable taxes, duties levies etc except PST

Indenting Department: Wireline Logging

Bid Validity: 180 days from Technical bids opening.

Services Required For: KPK & Baluchistan

Bidding Procedure: Single Stage Two Envelope

Evaluation Criteria: Group Basis (Open Hole & Cased Hole)

Duration of Contract / Completion Period: Three (03) year.

Item No.	Description	Unit	Qty	Total Price (USD)
10	Hiring of OH Wireline Logging Services	AU	1	

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.1	18000669	BHC Sonic Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.2	18000000	BHC Sonic Survey Charge	1,000	5	5,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.3	18000001	BHC Sonic Special Conv Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.4	18000002	BHC Sonic Deviation Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.5	18000003	BHC Sonic H2S/CO2 Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.6	18000004	BHC Sonic Standby/Rental Charges	-	-	50	Per Day		
Val 1: Val 2:								
10.7	18000006	CBL Depth Charge	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.8	18000007	CBL Survey Charge	1,000	10	10,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.9	18000008	CBL Special Conv Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.10	18000009	CBL Deviation Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.11	18000010	CBL H2S/CO2 Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.12	18000011	CBL Standby/Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.13	18000012	UBI / UMI or equiv. Depth Charge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.14	18000013	UBI / UMI or equiv. Survey Charge	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.15	18000014	UBI / UMI or equiv. Special Conv Sur	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.16	18000015	UBI / UMI or equiv. Deviation Depth Sur	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.17	18000016	UBI / UMI or equiv. H2S/CO2 Depth Sur	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.18	18000017	UBI / UMI or equiv. St&by/Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.19	18000018	Ultrasonic Cement Imager, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.20	18000019	Ultrasonic Cement Imager, Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.21	18000020	Ultrasonic Cement Imager Special Conv Su	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.22	18000021	Ultrasonic Cement Imager , Deviation Sur	4,000	10	40,000	Meter		
Val 1: METER								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2: NO. OF JOBS.								
10.23	18000022	Ultrasonic Cement Imager, H2S/CO2 Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.24	18000023	Ultrasonic Cement Imager, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.25	18000024	DSI/MDA or equiv. P&S, Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.26	18000025	DSI/MDA or equiv. P&S, Survey Charge	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.27	18000026	DSI/MDA or equiv. P&S, Special Conv. Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.28	18000027	DSI/MDA or equiv. P&S, Deviation Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.29	18000028	DSI/MDA or equiv. P&S, H2S/CO2 Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.30	18000029	DSI/MDA or equiv. P&S, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.31	18000030	DSI/MDA or equiv. Dipole, Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.32	18000031	DSI/MDA or equiv. Dipole, Survey Charge	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.33	18000032	DSI/MDA or equiv. Dipole, Special Conv.	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.34	18000033	DSI/MDA or equiv. Dipole, Deviation Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.35	18000034	DSI/MDA or equiv. Dipole, H2S/CO2 Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.36	18000035	DSI/MDA or equiv. Dipole, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.37	18000036	DSI/MDA or equiv Anisotropy,Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.38	18000037	DSI/MDA or equi Anisotropy,Survey Charge	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.39	18000038	DSI/MDA or equiv Anisotropy,Special Conv	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.40	18000039	DSI/MDA or equi Anisotropy,Deviation Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.41	18000040	DSI/MDA or equiv Anisotropy, H2S/CO2 Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.42	18000041	DSI/MDA or equiv. Anisotropy,St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.43	18000042	DSI/MDA or equiv Stonely, Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.44	18000043	DSI/MDA or equi Stonely, Survey Charge	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.45	18000044	DSI/MDA or equiv Stonely, Special Conv	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.46	18000045	DSI/MDA or equiv Stonely ,Deviation Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.47	18000046	DSI/MDA or equiv Stonely, H2S/CO2 Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.48	18000047	DSI/MDA or equiv. Stonely, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.49	18000048	SS/CXD or equiv. P&S, Depth Charge	4,000	20	80,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.50	18000543	SS/CXD or equiv. P&S, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.51	18000544	SS/CXD or equiv. P&S, Special Conv Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.52	18000545	SS/CXD or equiv. P&S, Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.53	18000546	SS/CXD or equiv. P&S, H2S/CO2 Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.54	18000547	SS/CXD or equiv. P&S, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.55	18000548	SS/CXD or equiv. Dipole, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.56	18000549	SS/CXD or equiv. Dipole, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.57	18000550	SS/CXD or equiv. Dipole,Special Conv Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.58	18000551	SS/CXD or equiv. Dipole, Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.59	18000552	SS/CXD or equiv. Dipole, H2S/CO2 Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.60	18000553	SS/CXD or equiv. Dipole, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.61	18000554	SS/CXD or equiv. Stonely, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.62	18000555	SS/CXD or equiv. Stonely, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.63	18000556	SS/CXD or equiv. Stonely,Special Conv Sr	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.64	18000557	SS/CXD or equiv. Stonely, Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.65	18000558	SS/CXD or equiv. Stonely, H2S/CO2 Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.66	18000559	SS/CXD or equiv. Stonely, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.67	18000560	SS/CXD or equiv Anisotropy, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.68	18000561	SS/CXD or equiv Anisotropy,Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.69	18000562	SS/CXD or equiv Anisotropy,Special Conv	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.70	18000563	SS/CXD or equiv Anisotropy,Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.71	18000564	SS/CXD or equiv. Anisotropy, H2S/CO2 Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.72	18000565	SS/CXD or equiv Anisotropy, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.73	18000566	BGL / Caliper Log (2-Axis), Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.74	18000567	BGL /Caliper Log (2-Axis), Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.75	18000568	BGL / Caliper Log (2-Axis),Special Conv	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.76	18000569	BGL / Caliper Log (2-Axis),Deviation Sur	4,000	10	40,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.77	18000577	BGL / Caliper Log (2-Axis), H2S/CO2 Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.78	18000578	BGL / Caliper Log (2-Axis), St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.79	18000579	BGL / Caliper Log (3-Axis), Depth Charge	4,000	40	160,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.80	18000582	BGL / Caliper Log (3-Axis), Survey Charge	1,000	40	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.81	18000584	BGL / Caliper Log (3-Axis),Special Conv	4,000	40	160,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.82	18000585	BGL / Caliper Log (3-Axis),Deviation Sur	4,000	40	160,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.83	18000586	BGL / Caliper Log (3-Axis), H2S/CO2 Sur	4,000	40	160,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.84	18000587	BGL / Caliper Log (3-Axis), St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.85	18000588	DIL/STI or equivalent, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.86	18000589	DIL/STI or equivalent, Survey Charge	1,000	5	5,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.87	18000590	DIL/STI or equivalent, Special Conv. Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.88	18000591	DIL/STI or equivalent, Deviation Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.89	18000592	DIL/STI or equivalent, H2S/CO2 Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.90	18000593	DIL/STI or equivalent,Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.91	18000594	Array Induction Log, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.92	18000595	Array Induction Log, Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.93	18000596	Array Induction Log, Special Conv. Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.94	18000597	Array Induction Log, Deviation Depth Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.95	18000598	Array Induction Log, H2S/CO2 Depth Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.96	18000599	Array Induction Log, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.97	18000600	Dual Laterolog, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.98	18000348	Dual Laterolog, Survey Charge	1,000	5	5,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.99	18000529	Dual Laterolog, Special Conv. Surcharge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.100	18000530	Dual Laterolog, Deviation Depth Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.101	18000531	Dual Laterolog, H2S/CO2 Depth Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.102	18000532	Dual Laterolog, Standby/Rental charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.103	18000533	Hi Resolution Laterolog, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2: NO. OF JOBS.								
10.104	18000534	Hi Resolution Laterolog, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.105	18000535	Hi Resolution Laterolog, Special Conv Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.106	18000536	Hi Resolution Laterolog, Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.107	18000537	Hi Resolution Laterolog, H2S/CO2 Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.108	18000538	Hi Resolution Laterolog, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.109	18000539	MCFL / MSFL, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.110	18000540	MCFL / MSFL, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.111	18000541	MCFL / MSFL, Special Conv. Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.112	18000620	MCFL / MSFL, Deviation Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.113	18000621	MCFL / MSFL, H2S/CO2 Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.114	18000622	MCFL / MSFL, Standby / Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.115	18000623	Compensated Density, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.116	18000624	Compensated Density, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.117	18000625	Compensated Density, Special Conv. Sur.	4,000	20	80,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.118	18000626	Compensated Density, Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.119	18000627	Compensated Density, H2S/CO2 Depth Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.120	18000628	Compensated Density,St&by/Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.121	18000629	Hi Res. Litho-Density , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.122	18000630	Hi Res. Litho-Density , Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.123	18000631	Hi Res. Litho-Density, Special Conv. Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.124	18000632	Hi Res. Litho-Density, Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.125	18000633	Hi Res. Litho-Density, H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.126	18000634	Hi Res. Litho-Density, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.127	18000635	CNL, Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.128	18000636	CNL, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.129	18000637	CNL, Special Conveyance Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.130	18000638	CNL, Deviation Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.131	18000639	CNL, H2S/CO2 Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.132	18000640	CNL, Standby/Rental charges	-	-	50	Per Day		
Val 1: Val 2:								
10.133	18000641	FMI / HMI or equiv. Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.134	18000642	FMI / HMI or equiv. Survey Charge	1,000	5	5,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.135	18000643	FMI / HMI or equiv. Special Conv. Sur	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.136	18000644	FMI / HMI or equiv. Deviation Depth Sur	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.137	18000645	FMI / HMI or equiv. H2S/CO2 Depth Sur	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.138	18000646	FMI / HMI or equiv. Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								
10.139	18000647	FMI-HD/CMI or equiv. Depth Charge	4,000	25	100,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.140	18000648	FMI-HD/CMI or equiv. Survey Charge	1,000	25	25,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.141	18000649	FMI-HD/CMI or equiv. Special Conv. Sur	4,000	25	100,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.142	18000650	FMI-HD/CMI or equiv. Deviation Depth Sur	4,000	25	100,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.143	18000651	FMI-HD/CMI or equiv. H2S/CO2 Depth Sur	4,000	25	100,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.144	18000652	FMI-HD/CMI or equiv. Standby/Rental	-	-	50	Per Day		
Val 1:								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2:								
10.145	18000653	OBMI / OMI or equiv. Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.146	18000654	OBMI / OMI or equiv. Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.147	18000655	OBMI / OMI or equiv. Special Conv. Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.148	18000656	OBMI / OMI or equiv. Deviation Depth Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.149	18000657	OBMI / OMI or equiv. H2S/CO2 Depth Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.150	18000658	OBMI / OMI or equiv. Standby / Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.151	18000659	Formation Dip Meas. Depth Charge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.152	18000660	Formation Dip Meas. Survey Charge	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.153	18000661	Formation Dip Meas. Special Conv. Sur	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.154	18000662	Formation Dip Meas. Deviation Depth Sur.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.155	18000663	Formation Dip Meas. H2S/CO2 Depth Sur.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.156	18000664	Formation Dip Meas. Standby /Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.157	18000665	GPIT (IS), Depth Charge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.158	18000666	GPIT (IS), Survey Charge	1,000	1	1,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.159	18000667	GPIT (IS), Special Conveyance Surcharge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.160	18000668	GPIT (IS), Deviation Depth Surcharge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.161	18000542	GPIT(IS), H2S/CO2 Depth Surcharge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.162	18000670	GPIT (IS), Standby/Rental charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.163	18000671	CMR+AT/FMR/MReX or equiv. Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.164	18000672	CMR+AT/FMR/MReX or equiv. Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.165	18000673	CMR+AT/FMR/MReX or equiv. Special Conv.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.166	18000674	CMR+AT/FMR/MReX or equiv. Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.167	18000675	CMR+AT/FMR/MReX or equiv. H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.168	18000676	CMR+AT/FMR/MReX or equiv. Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.169	18000677	Litho Scanner/GSI or equiv. Depth Charge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.170	18000678	Litho Scanner/GSI or equiv Survey Charge	1,000	3	3,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.171	18000679	Litho Scanner/GSI or equiv Special Conv.	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.172	18000680	Litho Scanner/GSI or equiv Deviation Sur	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.173	18000681	Litho Scanner/GSI or equiv H2S/CO2 Sur	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.174	18000682	Litho Scanner/GSI or equi Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.175	18000683	NGS/SGR/HNGS or equiv. Depth Charge	4,000	25	100,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.176	18000684	NGS/SGR/HNGS or equiv. Survey Charge	1,000	25	25,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.177	18000685	NGS/SGR/HNGS or equiv. Special Conv. Sur	4,000	25	100,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.178	18000686	NGS/SGR/HNGS or equiv. Deviation Sur	4,000	25	100,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.179	18000687	NGS/SGR/HNGS or equiv. H2S/CO2 Depth Sur	4,000	25	100,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.180	18000688	NGS/SGR/HNGS or equiv. Standby / Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.181	18000689	GR OH Log (All hole sizes), Depth Charge	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.182	18000690	GR OH Log(All hole sizes), Survey Charge	1,000	50	50,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.183	18000691	GR OH Log (All hole sizes),Special Conv.	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.184	18000692	GR OH Log (All hole sizes),Deviation Sur	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.185	18000693	GR OH Log (All hole sizes), H2S/CO2 Sur.	4,000	50	200,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.186	18000694	GR OH Log(All hole sizes),Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.187	18000695	Dummy/Depth Determination , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.188	18000696	Dummy/Depth Determination, Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.189	18000697	Dummy/Depth Determination, Special Conv.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.190	18000698	Dummy/Depth Determination ,Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.191	18000699	Dummy/Depth Determination, H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.192	18000700	Dummy/Depth Determination, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.193	18000701	GR-CCL, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.194	18000702	GR-CCL, Survey Charge	1,000	5	5,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.195	18000703	GR-CCL, Special Conv. Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.196	18000704	GR-CCL, Deviation Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.197	18000705	GR-CCL, H2S/CO2 Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.198	18000706	GR-CCL, Standby / Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.199	18000707	CCL, Depth Charge	4,000	10	40,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.200	18000708	CCL, Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.201	18000709	CCL, Special Conveyance Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.202	18000710	CCL, Deviation Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.203	18000711	CCL,H2S/CO2 Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.204	18000712	CCL, Standby / Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.205	18000779	Slim Neutron Tool , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.206	18000780	Slim Neutron Tool , Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.207	18000781	Slim Neutron Tool, Special Conveyance Sr	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.208	18000782	Slim Neutron Tool, Deviation Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.209	18000783	Slim Neutron Tool,H2S/CO2 Depth Surcharg	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.210	18000784	Slim Neutron Tool, Standby/Rental charge	-	-	50	Per Day		
Val 1:								
Val 2:								
10.211	18000785	Slim Density Tool , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.212	18000786	Slim Density Tool , Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.213	18000787	Slim Density Tool, Special Conveyance Sr	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.214	18000788	Slim Density Tool, Deviation Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.215	18000789	Slim Density Tool,H2S/CO2 Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.216	18000790	Slim Density Tool, Standby/Rental charge	-	-	50	Per Day		
Val 1: Val 2:								
10.217	18000791	Slim GR Tool , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.218	18000792	Slim GR Tool , Survey Charge	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.219	18000793	Slim GR Tool, Special Conveyance Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.220	18000794	Slim GR Tool, Deviation Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.221	18000795	Slim GR Tool, H2S/CO2 Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.222	18000796	Slim GR Tool, Standby /Rental charge	-	-	50	Per Day		
Val 1: Val 2:								
10.223	18000797	Slim Sonic Tool , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.224	18000798	Slim Sonic Tool , Survey Charge	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.225	18000799	Slim Sonic Tool, Special Conveyance Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.226	18000800	Slim Sonic Tool, Deviation Surcharge	4,000	20	80,000	Meter		
Val 1: METER								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2: NO. OF JOBS.								
10.227	18000801	Slim Sonic Tool,H2S/CO2 Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.228	18000802	Slim Sonic Tool, Standby / Rental charge	-	-	50	Per Day		
Val 1:								
Val 2:								
10.229	18000803	Slim Resistivity Tool , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.230	18000804	Slim Resistivity Tool , Survey Charge	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.231	18000805	Slim Resistivity Tool, Special Conv. Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.232	18000806	Slim Resistivity Tool, Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.233	18000807	Slim Resistivity Tool,H2S/CO2 Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.234	18000808	Slim Resistivity Tool, Standby /Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.235	18000827	CIS, Depth Charge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.236	18000828	CIS , Special Conveyance Surcharge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.237	18000829	CIS, Deviation Depth Surcharge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.238	18000830	CIS, H2S/CO2 Depth Surcharge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.239	18000831	CIS, Standby/Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
10.240	18000832	ECRD, Activation & Release Charge	-	-	3	Lump Sum		
Val 1:								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2:								
10.241	18000833	ECRD, Special Conveyance Surcharge	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.242	18000834	ECRD, Deviation Depth Surcharge	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.243	18000835	ECRD, H2S/CO2 Depth Surcharge	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.244	18000836	ECRD, Standby / Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
10.245	18000837	Wireline Crew Rental Charges per day	-	-	200	Per Day		
Val 1: Val 2:								
10.246	18000838	Logging Unit Rental Charges per day	-	-	200	Per Day		
Val 1: Val 2:								
10.247	18000839	1-11/16# Spiral, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.248	18000840	1-11/16# Spiral, Explosive (HMX) Cost	-	-	10	Meter		
Val 1: Val 2:								
10.249	18000841	1-11/16# Spiral, HNS Surcharge	-	-	1	Meter		
Val 1: Val 2:								
10.250	18003928	1-11/16# Spiral, Standby/Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
10.251	18000842	Standard BOP for Overbalanced Wells	-	-	50	Per Job		
Val 1: Val 2:								
10.252	18000843	Pressure Control Equipment rated 10KPSI	-	-	5	Per Job		
Val 1: Val 2:								
10.253	18000844	MOB/DEMOB (Equip, Crew, 3rd Party etc)	-	-	50	Per Job		
Val 1: Val 2:								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.254	18000845	Service Charge, per job	-	-	50	Per Job		
Val 1:								
Val 2:								
10.255	18000846	Incomplete Operation	-	-	10	Per Job		
Val 1:								
Val 2:								
10.256	18000847	RI - Image Processing	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.257	18000848	RI Interactive dip pick & Classification	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.258	18000849	RI Struct. Analysis & Classification	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.259	18000850	RI Sedimentary Analysis & Classification	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.260	18000851	RI Fracture & Statistical Analysis	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.261	18000852	RI Geol. /Induced Feature Classification	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.262	18000853	RI Advanced Structure Modelling	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.263	18000854	RI Any Other Processing	1,000	30	30,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.264	18000855	UI Image Processing	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.265	18000856	UI Interactive dip pick & Classification	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.266	18000857	UI Struct. Analysis & Classification	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.267	18000858	UI Sedimentary Analysis & Classification	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.268	18000859	UI Fracture & Statistical Analysis	1,000	1	1,000	Meter		
Val 1: METER								

			Quantity					
Sub No	Service No	Service Description	Val 1	Val 2	Quantity	Unit	Unit Price	Total Price
Val 2: NO. OF JOBS.								
10.269	18000860	UI Any Other Processing	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.270	18000861	UCB Image Proc. (St. & Hi Res.)	1,001	10	10,010	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.271	18000878	DSI/MDA (P&S) with slowness analysis	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.272	18000879	DSI/MDA Dipole processing	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.273	18000880	DSI/MDA Stonely & reflectivity analysis	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.274	18000881	DSI/MDA Anisotropy & Dispersion analysis	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.275	18000882	DSI/MDA Fracture Analysis	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.276	18000883	DSI/MDA Any other processing	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.277	18000884	SS/CXD (P&S) with slowness analysis	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.278	18000885	SS/CXD Dipole processing	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.279	18000886	SS/CXD Stonely & reflectivity analysis	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.280	18000887	SS/CXD Anisotropy & Dispersion analysis	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.281	18000888	SS/CXD Fracture Analysis	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.282	18000889	SS/CXD Any other processing	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.283	18000890	Misc Proc ELAN or equiv (Conventional)	1,000	5	5,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.284	18000891	Misc Proc ELAN or equiv (Unconventional)	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.285	18000892	Misc. Processing Cement evaluation log	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.286	18000893	Misc. Proc. CMR all answer products	1,000	15	15,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.287	18000601	Any other special processing/report/int	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.288	18000862	SI-Stand alone edit dig.(Vertical Well)	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.289	18000863	SI-Stand alone edit digital (Dev. Well)	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.290	18000864	SI Geogram Processing (P-Wave Geogram)	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.291	18000865	SI Time Base Log	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.292	18000866	SI ZOSP for vertical well-1 axis	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.293	18000867	SI ZOSP for vertical well-3 axis	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.294	18000868	SI ZOSP for deviated well-1 axis	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.295	18000869	SI ZOSP for deviated well-3 axis	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.296	18000870	SI OSP for vertical well- 1/3 axis	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.297	18000871	SI OSP for deviated well- 1/3 axis	300	10	3,000	Per Level		
Val 1: PLV Val 2: JOB								
10.298	18000872	SI Shear Processing and Analysis	300	10	3,000	Per Level		
Val 1: PLV Val 2: JOB								
10.299	18000873	SI Q-Estimation	300	10	3,000	Per Level		
Val 1: PLV Val 2: JOB								
10.300	18000874	SI Inversion	300	10	3,000	Per Level		
Val 1: PLV Val 2: JOB								
10.301	18000875	SI Sonic or Density Calib. Vertical well	2,000	10	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.302	18000876	SI Sonic or Density Calib. Deviated well	2,000	10	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.303	18000877	SI Any other processing	2,000	10	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.304	18000713	Fmt Tester Single Probe, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.305	18000714	Fmt Tester Single Probe, Survey Charge	20	5	100	Per PreTest		
Val 1: PTS Val 2: JOB								
10.306	18000715	Fmt Tester Single Probe,Special Conv Sur	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.307	18000716	Fmt Tester Single Probe,Deviation Sur.	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.308	18000717	Fmt Tester Single Probe , H2S/CO2 Sur.	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.309	18000718	Fmt Tester Single Probe,Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								
10.310	18000719	Fmt Tester Dual Probe, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.311	18000720	Fmt Tester Dual Probe, Survey Charge	20	5	100	Per PreTest		
Val 1: PTS								
Val 2: JOB								
10.312	18000721	Fmt Tester Dual Probe,Special Conv. Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.313	18000722	Fmt Tester Dual Probe, Deviation Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.314	18000723	Fmt Tester Dual Probe, H2S/CO2 Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.315	18000724	Fmt Tester Dual Probe, Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.316	18000725	Fmt Tester, LFA (SMP), Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.317	18000726	Fmt Tester, LFA (SMP), Survey Charge	6	5	30	Per Sample		
Val 1: SMP								
Val 2: JOB								
10.318	18000727	Fmt Tester, LFA (SMP), Special Conv Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.319	18000728	Fmt Tester, LFA (SMP), Deviation Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.320	18000729	Fmt Tester, LFA (SMP), H2S/CO2 Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.321	18000730	Fmt Tester, LFA (SMP), Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.322	18000731	Fmt Tester,LFA(Cleanout), Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.323	18000732	Fmt Tester,LFA(Cleanout),Survey Charge	6	5	30	Per Clean Out		
Val 1: PCO								
Val 2: JOB								
10.324	18000733	Fmt Tester,LFA(Cleanout), Special Conv.	4,000	5	20,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
10.325	18000734	Fmt Tester,LFA(Cleanout), Deviation Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.326	18000735	Fmt Tester,LFA(Cleanout), H2S/CO2 Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.327	18000736	Fmt Tester,LFA(Cleanout), St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.328	18000737	Fmt Tester,Pump Out (SMP),Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.329	18000738	Fmt Tester,Pump Out (SMP),Survey Charge	6	5	30	Per Sample		
Val 1: SMP								
Val 2: JOB								
10.330	18000739	Fmt Tester,Pump Out (SMP), Special Conv	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.331	18000740	Fmt Tester,Pump Out (SMP),Deviation Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.332	18000741	Fmt Tester,Pump Out (SMP),H2S/CO2 Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.333	18000742	Fmt Tester,Pump Out (SMP),St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.334	18000743	Fmt Tester,PO (Cleanout), Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.335	18000744	Fmt Tester,PO (Cleanout),Survey Charge	6	5	30	Per Clean Out		
Val 1: PCO								
Val 2: JOB								
10.336	18000745	Fmt Tester,PO (Cleanout), Special Conv.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.337	18000746	Fmt Tester,PO (Cleanout), Deviation Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.338	18000747	Fmt Tester,PO (Cleanout), H2S/CO2 Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.339	18000748	Fmt Tester,PO (Cleanout),St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.340	18000749	Fmt Tester, Multi Sampling,Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.341	18000750	Fmt Tester,Multi Sampling,Survey Charge	6	5	30	Per Sample		
Val 1: SMP								
Val 2: JOB								
10.342	18000751	Fmt Tester, Multi Sampling,Special Conv.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.343	18000752	Fmt Tester, Multi Sampling,Deviation Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.344	18000753	Fmt Tester, Multi Sampling, H2S/CO2 Sur	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.345	18000754	Fmt Tester, Multi Sampling,St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.346	18000755	Fmt Tester, Dual Packer, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.347	18000756	Fmt Tester, Dual Packer, Survey Charge	6	5	30	Per Sample		
Val 1: SMP								
Val 2: JOB								
10.348	18000757	Fmt Tester, Dual Packer, Special Conv.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.349	18000758	Fmt Tester, Dual Packer, Deviation Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.350	18000759	Fmt Tester, Dual Packer, H2S/CO2 Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.351	18000760	Fmt Tester, Dual Packer, Standby/Rental	-	-	50	Per Day		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1:								
Val 2:								
10.352	18000761	VSI 4 Shuttles, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.353	18000762	VSI 4 Shuttles, Survey Charge	300	10	3,000	Per Level		
Val 1: PLV								
Val 2: JOB								
10.354	18000763	VSI 4 Shuttles, Special Conv. Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.355	18000764	VSI 4 Shuttles, Deviation Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.356	18000765	VSI 4 Shuttles, H2S/CO2 Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.357	18000766	VSI 4 Shuttles, Standby / Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.358	18000767	VSI 8 Shuttles, Depth Charge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.359	18000768	VSI 8 Shuttles, Survey Charge	300	1	300	Per Level		
Val 1: PLV								
Val 2: JOB								
10.360	18000769	VSI 8 Shuttles, Special Conv. Surcharge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.361	18000770	VSI 8 Shuttles, Deviation Surcharge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.362	18000771	VSI 8 Shuttles, H2S/CO2 Depth Surcharge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.363	18000772	VSI 8 Shuttles, Standby / Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.364	18000773	MSCT/SWC or equivalent Depth Charge	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.365	18000774	MSCT/SWC or equivalent Survey Charge	25	1	25	Per Core		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: PCE								
Val 2: JOB								
10.366	18000775	MSCT/SWC or equivalent , Special Conv.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.367	18000776	MSCT/SWC or equivalent, Deviation Sur.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.368	18000777	MSCT/SWC or equivalent , H2S/CO2 Sur.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.369	18000778	MSCT/SWC or equivalent , Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
10.370	18000809	FPIT, Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.371	18000810	FPIT, Station Charge	10	15	150	Per Station		
Val 1: JOB								
Val 2: PSN								
10.372	18000811	FPIT, Special Conveyance Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.373	18000812	FPIT, Deviation Depth Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.374	18000813	FPIT, H2S/CO2 Depth Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.375	18000814	FPIT , Standby / Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								
10.376	18000815	Back Off, Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.377	18000816	Back Off, Shot Charge	1	15	15	Per Shot		
Val 1: PSH								
Val 2: JOB								
10.378	18000817	Back Off, Special Conveyance Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
10.379	18000818	Back Off, Deviation Depth Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
10.380	18000819	Back Off, H2S/CO2 Depth Surcharge	4,000	15	60,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.381	18000820	Back Off, Standby / Rental charge	-	-	50	Per Day		
Val 1: Val 2:								
10.382	18000821	Severing Colliding / DEST, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.383	18000822	Severing Colliding / DEST, Shot Charge	1	10	10	Per Shot		
Val 1: PSH Val 2: JOB								
10.384	18000823	Severing Colliding/DEST,Special Conv. Sur	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.385	18000824	Severing Colliding/DEST, Deviation Sur.	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.386	18000825	Severing Colliding/DEST, H2S/CO2 Sur.	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
10.387	18000826	Severing Colliding / DEST, Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								

Item No.	Description	Unit	Qty	Total Price (USD)
20	Hiring of CH Wireline Logging Services	AU	1	

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.1	17000002	CBL Depth Charge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.2	18000147	CBL Survey Charge	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.3	18000148	CBL Special Conv Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.4	18000149	CBL Deviation Depth Surcharge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.5	18000150	CBL H2S/CO2 Depth Surchage	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.6	18000151	CBL Standby/Rental Charges	-	-	50	Per Day		
Val 1:								
Val 2:								
20.7	18000152	Ultrasonic Cement Imager, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.8	18000153	Ultrasonic Cement Imager, Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.9	18000154	Ultrasonic Cement Imager Special Conv Su	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.10	18000155	Ultrasonic Cement Imager , Deviation Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.11	18000156	Ultrasonic Cement Imager, H2S/CO2 Sur	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.12	18000157	Ultrasonic Cement Imager, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.13	18000158	Ultrasonic Corossion Imager,Depth Charge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.14	18000159	Ultrasonic Corossion Imager,Survey Charg	1,000	3	3,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.15	18000160	Ultrasonic Corossion Imager, Special Con	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.16	18000161	Ultrasonic Corossion Imager,Deviation Sr	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.17	18000162	Ultrasonic Corossion Imager, H2S/CO2 Sur	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.18	18000163	Ultrasonic Corossion Imager,St&by/Rental	-	-	50	Per Day		
Val 1:								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2:								
20.19	18000164	Cased Hole GR, Depth Charge	4,000	75	300,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.20	18000165	Cased Hole GR, Survey Charge	1,000	75	75,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.21	18000166	Cased Hole GR, Special Conveyance Sur.	4,000	75	300,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.22	18000167	Cased Hole GR, Deviation Depth Sur.	4,000	75	300,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.23	18000168	Cased Hole GR, H2S/CO2 Depth Surcharge	4,000	75	300,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.24	18000169	Cased Hole GR, Standby / Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								
20.25	18000170	Dummy/Depth Determination , Depth Charge	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.26	18000171	Dummy/Depth Determination, Survey Charge	1,000	50	50,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.27	18000172	Dummy/Depth Determination, Special Conv.	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.28	18000173	Dummy/Depth Determination ,Deviation Sur	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.29	18000174	Dummy/Depth Determination, H2S/CO2 Sur.	4,000	50	200,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.30	18000175	Dummy/Depth Determination, St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.31	18000176	GR-CCL/TCP Correlation, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

								Quantity		
Sub No	Service No	Service Description	Val 1	Val 2	Quantity	Unit	Unit Price	Total Price		
20.32	18000177	GR-CCL/TCP Correlation, Survey Charge	1,000	10	10,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.33	18000178	GR-CCL/TCP Correlation, Special Conv. Sur	4,000	10	40,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.34	18000179	GR-CCL/TCP Correlation, Deviation Sur.	4,000	10	40,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.35	18000180	GR-CCL/TCP Correlation, H2S/CO2 Sur.	4,000	10	40,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.36	18000181	GR-CCL/TCP Correlation, Standby/Rental	-	-	50	Days				
Val 1:										
Val 2:										
20.37	18000182	CCL, Depth Charge	4,000	65	260,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.38	18000183	CCL, Survey Charge	1,000	65	65,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.39	18000184	CCL, Special Conveyance Surcharge	4,000	65	260,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.40	18000185	CCL, Deviation Depth Surcharge	4,000	65	260,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.41	18000186	CCL, H2S/CO2 Depth Surcharge	4,000	65	260,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.42	18000187	CCL, Standby / Rental Charges	-	-	50	Per Day				
Val 1:										
Val 2:										
20.43	18000188	CHFR, Depth Charge	4,000	1	4,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.44	18000189	CHFR, Survey Charge	1,000	1	1,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.45	18000190	CHFR, Special Conv. Surcharge	4,000	1	4,000	Meter				
Val 1: METER										
Val 2: NO. OF JOBS.										
20.46	18000191	CHFR, Deviation Depth Surcharge	4,000	1	4,000	Meter				

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER Val 2: NO. OF JOBS.								
20.47	18000192	CHFR, H2S/CO2 Depth Surcharge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.48	18000193	CHFR, Standby / Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
20.49	18000604	PSP/PLT, Temperature Depth Charge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.50	18000605	PSP/PLT, Temperature Special Conv. Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.51	18000606	PSP/PLT, Temperature Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.52	18000607	PSP/PLT, Temperature H2S/CO2 Depth Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.53	18000608	PSP/PLT, Temperature Standby / Rental	-	-	50	Per Day		
Val 1: Val 2:								
20.54	18000609	PSP/PLT, Temperature Flowing Survey Charg	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.55	18000610	PSP/PLT, Temperature Shut-In Survey Charg	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.56	18000611	PSP/PLT, Cont. Flowmeter Depth Charge	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.57	18000612	PSP/PLT, Cont. Flowmeter Special Conv.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.58	18000613	PSP/PLT, Cont. Flowmeter Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.59	18000614	PSP/PLT, Cont. Flowmeter H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.60	18000615	PSP/PLT, Cont. Flowmeter Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.61	18000894	PSP/PLT,Cont. Flowmeter Flowing Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.62	18000895	PSP/PLT,Cont. Flowmeter Shut-In Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.63	18000896	PSP/PLT, Gradiomanometer Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.64	18000897	PSP/PLT, Gradiomanometer Special Conv.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.65	18000898	PSP/PLT, Gradiomanometer Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.66	18000899	PSP/PLT, Gradiomanometer H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.67	18000900	PSP/PLT, Gradiomanometer Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.68	18000901	PSP/PLT,Gradiomanometer Flowing Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.69	18000902	PSP/PLT,Gradiomanometer Shut-In Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.70	18000903	PSP/PLT, Full Bore Spinner Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.71	18000904	PSP/PLT,Full Bore Spinner Special Conv.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.72	18000905	PSP/PLT, Full Bore Spinner Deviation Sur	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.73	18000906	PSP/PLT, Full Bore Spinner H2S/CO2 Sur.	4,000	20	80,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
20.74	18000907	PSP/PLT,Full Bore Spinner Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.75	18000908	PSP/PLT,Full Bore Spinner Flowing Survy	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.76	18000909	PSP/PLT,Full Bore Spinner ShutIn Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.77	18000910	PSP/PLT, FI/Flow View Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.78	18000911	PSP/PLT, FI/Flow View Special Conv. Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.79	18000912	PSP/PLT, FI/Flow View Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.80	18000913	PSP/PLT, FI/Flow View H2S/CO2 Depth Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.81	18000914	PSP/PLT, FI/Flow View Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.82	18000915	PSP/PLT, FI/Flow View Flowing Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.83	18000916	PSP/PLT, FI/Flow View Shut-In Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.84	18000917	PSP/PLT, XY Caliper Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.85	18000918	PSP/PLT, XY Caliper Special Conv. Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.86	18000919	PSP/PLT, XY Caliper Deviation Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.87	18000920	PSP/PLT, XY Caliper H2S/CO2 Depth Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.88	18000921	PSP/PLT, XY Caliper Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.89	18000922	PSP/PLT, XY Caliper Flowing Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.90	18000923	PSP/PLT, XY Caliper Shut-In Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.91	18000924	PSP/PLT, Quartz PG Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.92	18000925	PSP/PLT, Quartz PG Special Conv. Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.93	18000926	PSP/PLT, Quartz PG Deviation Surcharge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.94	18000927	PSP/PLT, Quartz PG H2S/CO2 Depth Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.95	18000928	PSP/PLT, Quartz PG Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.96	18000929	PSP/PLT, Quartz PG Flowing Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.97	18000930	PSP/PLT, Quartz PG Shut-In Survey	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.98	18000931	PSP/PLT, Water-Gas Holdup Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.99	18000932	PSP/PLT, Water-Gas Holdup Special Conv.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.100	18000933	PSP/PLT, Water-Gas Holdup Deviation Sur.	4,000	20	80,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER Val 2: NO. OF JOBS.								
20.101	18000934	PSP/PLT, Water-Gas Holdup H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.102	18000935	PSP/PLT, Water-Gas Holdup Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								
20.103	18000936	PSP/PLT, Water-Gas Holdup Flowing Survey	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.104	18000937	PSP/PLT, Water-Gas Holdup ShutIn Survey	1,000	20	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.105	18000938	RST/PND or equiv. Depth Charge	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.106	18000939	RST/PND or equiv. Special Conv. Sur.	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.107	18000940	RST/PND or equiv. Deviation Depth Sur.	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.108	18000941	RST/PND or equiv. H2S/CO2 Depth Sur.	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.109	18000942	RST/PND or equiv. Standby/Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
20.110	18000943	RST/PND or equiv. Carbon/Oxygen Survey	1,000	3	3,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.111	18000944	RST/PND or equiv. Sigma Survey	1,000	3	3,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.112	18000945	RST/PND or equiv. Water Flow Survey	1,000	3	3,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.113	18000946	Spectral Noise Log (SNL), Depth Charge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.114	18000947	Spectral Noise Log (SNL), Survey Charge	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.115	18000948	Spectral Noise Log (SNL), Special Convey	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.116	18000949	Spectral Noise Log (SNL), Deviation Sur.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.117	18000950	Spectral Noise Log (SNL), H2S/CO2 Sur.	4,000	1	4,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.118	18000951	Spectral Noise Log (SNL),Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.119	18000952	Multi Finger Imaging Tool, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.120	18000953	Multi Finger Imaging Tool, Survey Charge	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.121	18000954	Multi Finger Imaging Tool, Special Conv.	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.122	18000955	Multi Finger Imaging Tool,Deviation Sur.	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.123	18000956	Multi Finger Imaging Tool, H2S/CO2 Sur.	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.124	18000957	Multi Finger Imaging Tool,St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.125	18000958	Multi Barrier Corrosion, Depth Charge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.126	18000959	Multi Barrier Corrosion, Survey Charge	1,000	3	3,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.127	18000960	Multi Barrier Corrosion, Special Conv.	4,000	3	12,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER Val 2: NO. OF JOBS.								
20.128	18000961	Multi Barrier Corrosion, Deviation Sur.	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.129	18000962	Multi Barrier Corrosion, H2S/CO2 Sur.	4,000	3	12,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.130	18000963	Multi Barrier Corrosion, Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								
20.131	18000964	Downhole Camera , Depth Charge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.132	18000965	Downhole Camera , Survey Charge	1,000	1	1,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.133	18000966	Downhole Camera, Special Conveyance Sur.	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.134	18000967	Downhole Camera , Deviation Depth Sur.	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.135	18000968	Downhole Camera , H2S/CO2 Depth Sur.	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.136	18000969	Downhole Camera, Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								
20.137	18000970	FPIT, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.138	18000971	FPIT, Station Charge	10	5	50	Per Station		
Val 1: JOB Val 2: PSN								
20.139	18000972	FPIT, Special Conveyance Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.140	18000973	FPIT, Deviation Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.141	18000974	FPIT, H2S/CO2 Depth Surcharge	4,000	5	20,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER Val 2: NO. OF JOBS.								
20.142	18000975	FPIT , Standby / Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
20.143	18000976	Back Off, Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.144	18000977	Back Off, Shot Charge	1	5	5	Per Shot		
Val 1: JOB Val 2: PSH								
20.145	18000978	Back Off, Special Conveyance Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.146	18000979	Back Off, Deviation Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.147	18000980	Back Off, H2S/CO2 Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.148	18000981	Back Off, Standby / Rental charge	-	-	50	Per Day		
Val 1: Val 2:								
20.149	18000982	Power Cutter, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.150	18000983	Power Cutter, Shot Charge	1	10	10	Per Shot		
Val 1: JOB Val 2: PSH								
20.151	18000984	Power Cutter, Special Conveyance Sur.	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.152	18000985	Power Cutter, Deviation Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.153	18000986	Power Cutter, H2S/CO2 Depth Surcharge	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.154	18000987	Power Cutter, Standby/Rental charges	-	-	50	Per Day		
Val 1: Val 2:								
20.155	18000988	Radial Cutting Torch, Depth Charge	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.156	18000989	Radial Cutting Torch, Shot Charge	1	10	10	Per Shot		
Val 1: PSH Val 2: JOB								
20.157	18000990	Radial Cutting Torch, Special Conveyance	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.158	18000991	Radial Cutting Torch, Deviation Depth Su	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.159	18000992	Radial Cutting Torch, H2S/CO2 Depth Sur	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.160	18000993	Radial Cutting Torch,St&by/Rental charge	-	-	50	Per Day		
Val 1: Val 2:								
20.161	18000994	Tubing Puncher (04 shots), Depth Charge	4,000	15	60,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.162	18000995	Tubing Puncher (04 shots), Shot Charge	4	15	60	Per Shot		
Val 1: PSH Val 2: JOB								
20.163	18000996	Tubing Puncher (04 shots), Special Conv.	4,000	15	60,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.164	18000997	Tubing Puncher (04 shots),Deviation Sur.	4,000	15	60,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.165	18000998	Tubing Puncher (04 shots), H2S/CO2 Sur.	4,000	15	60,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.166	18000999	Tubing Puncher (04 shots), St&by/Rental	-	-	50	Per Day		
Val 1: Val 2:								
20.167	18001000	Through Tubing Bridge Plug ,Depth Charge	4,000	15	60,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.168	18001001	Through Tubing Bridge Plug,Setting Charg	1	15	15	Per Plug		
Val 1: PPG Val 2: JOB								
20.169	18001002	Through Tubing Bridge Plug,Special Conv.	4,000	15	60,000	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1: METER								
Val 2: NO. OF JOBS.								
20.170	18001003	Through Tubing Bridge Plug,Deviation Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.171	18001004	Through Tubing Bridge Plug,H2S/CO2 Sur.	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.172	18001005	Through Tubing Bridge Plug,St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.173	18001006	TT Dump Bailer, Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.174	18001007	TT Dump Bailer, Survey Charge	3	15	45	Per Shot		
Val 1: PSH								
Val 2: JOB								
20.175	18001008	TT Dump Bailer, Special Conveyance Sur.	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.176	18001009	TT Dump Bailer,Deviation Depth Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.177	18001010	TT Dump Bailer, H2S/CO2 Depth Surcharge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.178	18001011	TT Dump Bailer, Standby / Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								
20.179	18001012	CIS, Depth Charge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.180	18001013	CIS , Special Conveyance Surcharge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.181	18001014	CIS, Deviation Depth Surcharge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.182	18001015	CIS, H2S/CO2 Depth Surcharge	4,000	3	12,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.183	18001016	CIS, Standby/Rental Charges	-	-	50	Per Day		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1:								
Val 2:								
20.184	18001017	Junk Basket/Gauge Ring , Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.185	18001018	Junk Basket/Gauge Ring , Special Conv.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.186	18001019	Junk Basket/Gauge Ring , Deviation Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.187	18001020	Junk Basket/Gauge Ring , H2S/CO2 Sur.	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.188	18001021	Junk Basket/Gauge Ring ,Standby/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.189	18001022	Bridge Plug setting , Depth Charge	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.190	18001023	Bridge Plug setting , Setting Charge	1	15	15	Per Plug		
Val 1: PPG								
Val 2: JOB								
20.191	18001024	Bridge Plug setting , Special Conveyance	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.192	18001025	Bridge Plug setting, Deviation Depth Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.193	18001026	Bridge Plug setting , H2S/CO2 Depth Sur	4,000	15	60,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.194	18001027	Bridge Plug setting, Standby/ Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.195	18001028	Prod. Packer setting , Depth Charge	4,000	10	40,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.196	18001029	Prod. Packer setting, Survey Charge	1	10	10	Per Plug		
Val 1: PPG								
Val 2: JOB								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.197	18001030	Prod. Packer setting, Special Conveyance	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.198	18001031	Prod. Packer setting, Deviation Depth Sur	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.199	18001032	Prod. Packer setting, H2S/CO2 Depth Sur	4,000	10	40,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.200	18001033	Prod. Packer setting, Standby/Rental	-	-	50	Per Day		
Val 1: Val 2:								
20.201	18001034	ECRD, Activation & Release Charge	-	-	1	Lump Sum		
Val 1: Val 2:								
20.202	18001035	ECRD, Special Conveyance Surcharge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.203	18001036	ECRD, Deviation Depth Surcharge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.204	18001037	ECRD, H2S/CO2 Depth Surcharge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.205	18001038	ECRD, Standby / Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
20.206	18000570	Pressure Log , Depth Charge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.207	18000571	Pressure Log , Survey Charge	1,000	5	5,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.208	18000572	Pressure Log , Special Conveyance Sur.	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.209	18000573	Pressure Log , Deviation Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.210	18000574	Pressure Log , H2S/CO2 Depth Surcharge	4,000	5	20,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.211	18000575	Pressure Log, Standby/Rental charges	-	-	50	Per Day		
Val 1:								
Val 2:								
20.212	18000576	Temperature Log , Depth Charge	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.213	18000580	Temperature Log , Survey Charge	1,000	5	5,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.214	18000581	Temperature , Special Conveyance Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.215	18000583	Temperature Log , Deviation Depth Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.216	18000602	Temperature Log , H2S/CO2 Depth Sur.	4,000	5	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.217	18000603	Temperature Log, Standby/Rental charge	-	-	50	Per Day		
Val 1:								
Val 2:								
20.218	18001041	1-11/16# Spiral, Depth Charge	4,000	30	120,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.219	18001042	1-11/16# Spiral, Explosive (HMX) Cost	-	-	750	Meter		
Val 1:								
Val 2:								
20.220	18001043	1-11/16# Spiral, HNS Surcharge	-	-	75	Meter		
Val 1:								
Val 2:								
20.221	18003929	1-11/16# Spiral, Standby/Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								
20.222	18001044	2-1/8# Spiral (6SPF), Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.223	18001045	2-1/8# Spiral (6SPF),Explosive (HMX) Cst	-	-	500	Meter		
Val 1:								
Val 2:								
20.224	18001046	2-1/8# Spiral (6SPF), HNS Surcharge	-	-	50	Meter		

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 1:								
Val 2:								
20.225	18003930	2-1/8# Spiral, St&by/Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								
20.226	18001047	2-7/8# HSD (6SPF), Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.227	18001048	2-7/8# HSD (6SPF), Explosive (HMX) Cost	-	-	250	Meter		
Val 1:								
Val 2:								
20.228	18001049	2-7/8# HSD (6SPF), HNS Surcharge	-	-	25	Meter		
Val 1:								
Val 2:								
20.229	18003931	2-7/8# HSD (6SPF), Standby/Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								
20.230	18001050	3-1/8# to 3-1/2" HSD (6SPF),Depth Charge	4,000	2	8,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.231	18001051	3-1/8# to 3-1/2" HSD(6SPF),Explsoive Cst	-	-	50	Meter		
Val 1:								
Val 2:								
20.232	18001052	3-1/8# to 3-1/2" HSD (6SPF), HNS Surchar	-	-	5	Meter		
Val 1:								
Val 2:								
20.233	18003932	3-1/8# to 3-1/2" HSD(6SPF),St&by/Rental	-	-	50	Per Day		
Val 1:								
Val 2:								
20.234	18001053	4-1/2# HSD (5SPF), Depth Charge	4,000	20	80,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.235	18001054	4-1/2# HSD (5SPF), Explsoive (HMX) Cost	-	-	250	Meter		
Val 1:								
Val 2:								
20.236	18001055	4-1/2# HSD (5SPF), HNS Surcharge	-	-	25	Meter		
Val 1:								
Val 2:								
20.237	18003933	4-1/2# HSD (5SPF),Standby/Rental Charge	-	-	50	Per Day		
Val 1:								
Val 2:								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.238	18001056	4-1/2# HSD (12SPF), Depth Charge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.239	18001057	4-1/2# HSD (12SPF), Explosive (HMX) Cost	-	-	10	Meter		
Val 1: Val 2:								
20.240	18001058	4-1/2# HSD (12SPF), HNS Surcharge	-	-	1	Meter		
Val 1: Val 2:								
20.241	18003934	4-1/2# HSD (12SPF), Standby/Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
20.242	18001059	4-1/2" Big hole, Depth Charge	4,000	1	4,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.243	18001060	4-1/2" Big hole, Explosive (HMX) Cost	-	-	10	Meter		
Val 1: Val 2:								
20.244	18001061	4-1/2" Big hole, HNS Surcharge	-	-	1	Meter		
Val 1: Val 2:								
20.245	18003935	4-1/2" Big hole, Standby / Rental Charge	-	-	50	Per Day		
Val 1: Val 2:								
20.246	18001062	Standard BOP for Cased Hole/Perforation	-	-	50	Per Job		
Val 1: Val 2:								
20.247	18001063	Pressure Control Equipment rated 10KPSI	-	-	50	Per Job		
Val 1: Val 2:								
20.248	18001064	Pressure Control Equipment rated 15KPSI	-	-	1	Per Job		
Val 1: Val 2:								
20.249	18001065	MOB/DEMOB (Equip, Crew, 3rd Party etc)	-	-	150	Per Job		
Val 1: Val 2:								
20.250	18001066	Service Charge, per job	-	-	150	Per Job		
Val 1: Val 2:								
20.251	18001067	Wireline Tractoring Charge	-	-	1	Per Job		
Val 1:								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
Val 2:								
20.252	18001068	Coil Tubing Compatibility Surcharge	-	-	1	Per Job		
Val 1:								
Val 2:								
20.253	18001069	Crane Charges	-	-	50	Per Job		
Val 1:								
Val 2:								
20.254	18001070	Incomplete Operation	-	-	10	Per Job		
Val 1:								
Val 2:								
20.255	18001071	UCB/UCC Image Proc. (St. & Hi Res.)	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.256	18001072	Prod. Logging Basic Processing	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.257	18001073	Prod. Logging-Flow view processing	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.258	18001074	Prod. Logging-Gas holdup optical sensor	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.259	18001075	Prod. Logging-RS Time Lapse Sigma Log	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.260	18001076	Prod. Logging-C/O ratio frm Spectroscopy	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.261	18001077	Prod. Logging-Water flow log	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.262	18001078	Prod. Logging-Any other processing	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.263	18001079	Misc. Processing-Cement evaluation log	1,000	20	20,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.264	18001080	Misc. Processing-CHFR Log	1,000	1	1,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								
20.265	18001081	Misc. Processing-Multi Finger Imaging To	1,000	10	10,000	Meter		
Val 1: METER								
Val 2: NO. OF JOBS.								

Sub No	Service No	Service Description	Quantity			Unit	Unit Price	Total Price
			Val 1	Val 2	Quantity			
20.266	18001082	Multi Barrier Corrosion Tool Processing	1,000	3	3,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.267	18000616	Any other special processing/report/int	1,000	1	1,000	Meter		
Val 1: METER Val 2: NO. OF JOBS.								
20.268	18001039	Wireline Crew Rental Chargers per day			200	Per Day		
Val 1: Val 2:								
20.269	18001040	Logging Unit Rental Chargers per			200	Per Day		
Val 1: Val 2:								

TERMS OF REFERENCE (TOR)

FOR

HIRING OF WIRELINE LOGGING & PERFORATION SERVICES (Open Hole & Cased Hole Sections)

1. SCOPE OF WORK

- 1.1 Wireline logging, perforating and log data processing / interpretation services are required on "CALL OUT" basis for a period of three years from the issuance of LOI (subject to clause # 4 of TOR) on Exploratory, Appraisal, Development and Work over wells of OGDCL in the region of KPK & Baluchistan provinces of Pakistan.
- 1.2 The tender has been divided into "Open Hole" and "Cased Hole" sections. The bidders will have option to bid either for one of section or both sections.
- 1.3 The contracts will be awarded separately for Open Hole and cased Hole sections after respective technical and financial evaluations as per defined annexures and RFQ.
- 1.4 The estimated number of wells for Open Hole section is 30 with 50 jobs for the above mentioned period.
- 1.5 The estimated number of wells for Cased Hole section is 50 with 150 jobs for the above mentioned period.

2. ELIGIBILITY REQUIREMENTS

The bidder:

- 2.1 Must have minimum 10 years international or local experience of providing above mentioned services.
- 2.2 Must have dedicated team of experienced professionals to handle technical matters relating to all types of wireline logging operations, perforations and logs data processing/interpretation services.
- 2.3 Must be capable of providing required services / equipment as per Annexure-A2 (for Open Hole) and Annexure-A3 (for Cased Hole).
- 2.4 Must be capable of providing Wireline services simultaneously on **at least three OGDCL wells** located in the region for Open Hole services.
- 2.5 Must be capable of providing Wireline services simultaneously on at least three OGDCL wells located in the region for Cased Hole services.
- 2.6 Must confirm to carry out jobs at locations where OGDCL is active in operations.

3. TOOLS/EQUIPMENT/NOC's

- 3.1 Tools specified in Annexure-A2 & Annexure-A3 should be suitable to perform services within temperature range of 300°F to 350 °F. Tools having temperature rating more than 350 °F should also be made available as and when required for logging on high temperature wells. H2S & CO2 rated tools/equipment should also be available when required.

- 3.2 The bidder should provide the latest tools/surface acquisition and allied equipment for performing logging and perforating services as per Annexure- A2 & Annexure-A3.
- 3.3 The bidder will ensure the availability of sufficient tools and equipment (for three simultaneous jobs in Open Hole Services and for three simultaneous jobs in cased Hole Services) with backup support to carry out logging operations & perforating services simultaneously at different locations without any rig time/Production loss.
- 3.4 Provision of equipment for logging with TLC, through drill pipe, coil tubing or tractors (where applicable) should also be available when required.
- 3.5 All types of permits / NOCs, security clearances required for operations especially pertaining to manpower, radioactive sources / explosive import, storage, transportation etc. to any location of OGDCL will be the responsibility of the bidder.
- 3.6 OGDCL technical evaluation team may visit bidder's operational bases to physically verify the presence of quoted tools as part of technical evaluation process.

4. BASE FACILITIES

The bidder must have its suitably equipped base facilities for repair / maintenance, data processing / interpretation etc. and back up equipment/system support for smooth execution of logging and perforating services. Any bidder willing to avail extra time for the arrangement of tools, equipment, explosives and allied accessories etc. will be allowed 120 days period for arrangements from the issuance of LOI (120 days' time period will only be applicable for those bidders who ask for the same in writing along with the technical bid). For bidders availing 120 days period, the contract will start after 120 days from the issuance of LOI.

5. PERSONNEL

The bidder shall provide experienced professionals to perform logging, perforating and data processing/interpretation services. CVs to be submitted with the bid to appraise the competency level.

6. PREPARATION OF BIDS

- 6.1 For Open Hole services, the bidders shall prepare their bid in two parts i.e. Technical proposal (part-1) one original & one copy accompanied by soft copy on CD and Financial proposal (part-2) original.
- 6.2 For Cased Hole services, the bidders shall prepare their bid in two parts i.e. Technical proposal (part-1) one original & one copy accompanied by soft copy on CD and Financial proposal (part-2) original.
- 6.3 Bidders participating in both Open Hole and Cased Hole must submit two separate bids along with respective bid bonds.
- 6.4 The Technical proposal shall contain the details as per Annexure-A2 for Open Hole Services and as per Annexure-A3 for Cased Hole Services.
- 6.5 The bidders shall prepare their bids in line with given **wireline services / nomenclature or equivalent** services as per Annexure A2, A3 and details mentioned in RFQ.
- 6.6 The Financial proposal should indicate all prices/rates as specified in RFQ for Open Hole and Cased Hole. Any Hi-Tech/New Technology service which can be used to achieve the objective and not part of the financial model may also be quoted separately on the similar format. However financial evaluation will be strictly based on given financial models in RFQ.
- 6.7 POL such as HSD (Diesel) and lubricants will be issued by OGDCL (if required) to wireline units during logging operations and the same will be adjusted / deducted from the service company invoices at the time of payment. OGDCL shall provide accommodation and messing for contractor's personnel during stay at field.

7. BID VALIDITY

- 7.1 The bid shall remain valid and open for acceptance for a period of 180 days from the specified date of tender opening.

8. WIRELINE DELIVERABLES

- 8.1 One (1) set of rush prints along with one CD containing digital data at well site right after completion of the job.
- 8.2 Seven (7) sets of prints of all the logs within 5 days after completion of the job.
- 8.3 Three (3) CD's containing DLIS, LAS, LIS and PDF formats within 5 days after completion of the job.

9. DATA PROCESSING / INTERPRETATIONS DELIVERABLES

- 9.1 Four (4) sets of comprehensive reports with interpretation plots.
- 9.2 One (1) CD with each report containing digital data of final report in PDF format.

10. EVALUATION OF PROPOSALS

- 10.1 The technical proposal shall be reviewed first to determine the responsiveness according to the information required vide Annexure-A2 for Open Hole Services and Annexure-A3 for Cased Hole Services. Technical proposals not conforming to and deviating materially from the specifications and the conditions laid down in the Tender Documents shall be determined to be non-responsive and shall be rejected by the Company.
- 10.2 Bids for both Open Hole Services and Cased Hole Services will be evaluated separately and independently.
- 10.3 Technical evaluation will be based on the following criteria's.

DETAIL OF TECHNICAL BID EVALUATION CRITERIA FOR OPEN HOLE SERVICES

Descriptions	Point Value	
	Score	Section %
Equipment & Services		55%
Equipment, tools & services quoted by Contractor to meet OGDCL job requirements for: <ul style="list-style-type: none"> i. Intermediate Logging ii. Reservoir Section Logging iii. Auxiliary Services 	15 25 15	
Contractor's Experience		15%
<ul style="list-style-type: none"> • Contractor's International OR Local experience & reputation in equipment and related services (11 points for 10-15 years, 15 points for 15+ years). • Zero points for less than 10 years of experience 	15	
Contractor's Services Base		10%
Contractor's Wireline Services Base in Pakistan. <ul style="list-style-type: none"> • Upto one existing base / assurance of establishing base = 7 • Upto two existing bases = 10 	10	
Personal Qualification & Experience		10%
Average Experience of Contractor's proposed key personnel. <ul style="list-style-type: none"> • Experience > 8 years = 10 • Experience 6-8 years = 8 • Experience 3-5 years = 7 • Experience < 3 years = 0 	10	
HSE System		10%
Contractor's HSE performance Zero HSE incident in last 1 years = 10 points One HSE incident in last 1 years = 8 points Two HSE incident in last 1 years = 7 points Three HSE incident in last 1 years = 6 points	10	
TOTAL POINT VALUE	100	100%
TECHNICAL QUALIFICATION (Minimum Score)	75	

DETAIL OF TECHNICAL BID EVALUATION CRITERIA FOR CASED HOLE SERVICES

Descriptions	Point Value	
	Score	Section %
Equipment & Services		55%
Equipment, tools & services quoted by Contractor to meet OGDCL job requirements for:		
I. Complete Range of Perforating Services	20	
II. Production Logging and Casing Evaluation	20	
III. Pipe Recovery, BP/Packer Setting/Thru Tubingservices	15	
Contractor's Experience		15%
<ul style="list-style-type: none"> • Contractor's International OR Local experience & reputation in equipment and related services (11points for 10-15 years, 15 points for 15+ years). • Zero points for less than 10 years of experience 	15	
Contractor's Services Base		10%
Contractor's Wireline Services Base in Pakistan.		
<ul style="list-style-type: none"> • Upto one existing base / assurance of establishingbase = 7 • Upto two existing bases = 10 	10	
Personal Qualification & Experience		10%
Average Experience of Contractor's proposed key personnel.		
<ul style="list-style-type: none"> • Experience > 8 years = 10 • Experience 6-8 years = 8 • Experience 3-5 years = 7 • Experience < 3 years = 0 	10	
HSE System		10%
Contractor's HSE performance		
Zero HSE incident in last 1 years = 10 points One HSE incident in last 1 years = 8 points Two HSE incident in last 1 years = 7 points Three HSE incident in last 1 years = 6 points	10	
TOTAL POINT VALUE	100	100%
TECHNICAL QUALIFICATION (Minimum Score)	75	

- 10.4 The financial bids of the bidders obtaining less than 75% marks on the aggregate will not be opened.
- 10.4 The bidder must get minimum 70% marks in each category. Any bidder getting less than 70% marks in any category will be disqualified.
- 10.5 After completion of Technical Evaluation, the financial proposal of technically qualified bidders will only be opened and examined to determine the lowest evaluated bid.
- 10.6 The bidder must provide un-priced copy of their financial proposal as per given format with the technical bid.
- 10.7 For the purpose of determining the lowest evaluated bid, cost as per financial model in RFQ for Open Hole and Cased Hole will be taken into consideration. Optional equipment will not be considered for financial evaluation. However; bidder(s) should quote their firm prices on the similar format for any auxiliary / additional equipment / techniques or services not included in the schedule of requirement or financial evaluation model but required for Wireline logging & perforation operations as per technical requirement. Firm prices & clear discounts/ rebates (if any) for all the services referred in the proposal may be quoted. *Conditional prices or rebates will not be considered for evaluations.* Bidders are required to quote all items as per RFQ (For Open Hole and Cased Hole bids). Incomplete bids will be rejected and not considered for the financial evaluation.

11 Payment Terms

- 11.1 Service Company will submit the invoices duly signed and stamped by OGDCL representatives after completion of job & submission of final data to OGDCL head office Islamabad.
- 11.2 The invoices will be submitted in US Dollars. However payment will be made in equivalent Pak Rupees at the prevalent rate on the date of payment after technical and contractual verification.

TECHNICAL SPECIFICATIONS OF OPEN HOLE SERVICES

Conventional and Slim Tools	
Equipment /Tools	Specification /Features
Logging Unit	<ul style="list-style-type: none"> Truck / Skid mounted Wireline Logging Unit for carrying out all type of Open Hole and Perforations services etc. on OGDCL wells.
Intermediate Section	
Spontaneous Potential	<ul style="list-style-type: none"> Spontaneous Potential Tool
Temperature	<ul style="list-style-type: none"> Temperature Tool measuring min. 300°F
Induction Tool	<ul style="list-style-type: none"> Induction Tool with 5 curves output data Minimum Depth of Investigation: 85 inch deep curve Range of Measurement: 0.1-2000 ohm-m Vertical Resolution = 4 ft
Sonic Tool	<ul style="list-style-type: none"> High resolution Bore hole Compensated Sonic tool Minimum Depth of Investigation: 3 inch Range of Measurement: 40-240 usec / ft Vertical Resolution compressional = 2ft Accuracy = +/- 2 us/ft
Gamma Ray	<ul style="list-style-type: none"> Gamma Ray Tool Minimum Depth of Investigation: 12 inch Vertical Resolution = 1 ft Range of Measurement: 400 API
Borehole Geometry tool	<ul style="list-style-type: none"> Standalone proper caliper tool (4 & 6 Arm) is required for 24", 17-1/2", 12-1/4", 8-1/2", 6" and 5-7/8" hole. Minimum Depth of Investigation: Hole diameter
Cement Evaluation	<ul style="list-style-type: none"> Cement Bond / Variable Density logging tool is required Minimum Depth of Investigation: Casing to cement interface
Reservoir Section	
Resistivity Tool	<ul style="list-style-type: none"> High Resolution Laterolog Tool with 4 curves output Minimum Depth of Investigation: 48 inch Range of Measurement: 0.2-2000 ohm-m Vertical Resolution = 24 inch

Micro Resistivity Tool	<ul style="list-style-type: none"> • Micro Spherical Focused Tool • Minimum Depth of Investigation: 03 inch • Range of Measurement: 0.2-2000 ohm-m • Vertical Resolution = 18 inch
Navigation Tool	<ul style="list-style-type: none"> • Navigation Tool is required for Deviation & Azimuth survey
Neutron Porosity Tool	<ul style="list-style-type: none"> • High resolution Compensated neutron porosity tool with TNPH and NPHI outputs. • Minimum Depth of Investigation: 10 inch • Range of Measurement: 0-60 pu
Spectral Natural Gamma Ray	<ul style="list-style-type: none"> • Natural Gamma Ray is required for Potassium, Thorium and Uranium measurements. • Range of Measurement: 0-1000 API
	<ul style="list-style-type: none"> • Vertical Resolution = 15 inch • Depth of Investigation = 9.5 inch
Density Log	<ul style="list-style-type: none"> • High resolution Litho-density with Photoelectric Absorption Coefficient tool • Minimum Depth of Investigation: 5 inch • Vertical Resolution = 19 inch
Array Sonic Tool	<ul style="list-style-type: none"> • Mono/Dipole Sonic with Cross dipole, P and S, Stonely, Full wave array sonic tools are required. • Minimum Depth of Investigation: 09 inch • Range of Measurement: As fast as for P waves 40 us/ ft and slowness as 700 us/ ft • Accuracy = 2 us/ft
Acoustic Scanning Tool	<ul style="list-style-type: none"> • Acoustic scanning tool is required to measure borehole compensated monopole with long and short spacing, cross • dipole
Electric MicroImager Tool	<ul style="list-style-type: none"> • Electric Micro Imager with Navigation tool • Minimum Depth of Investigation: 0.2 inch • Vertical Resolution = 0.2 inch • Minimum Range of Measurement: 70% borehole coverage in 8.5" hole
Electric MicroImager Tool (OBM)	<ul style="list-style-type: none"> • Electric Micro Imager for Oil Base Mud • Minimum Depth of Investigation: 0.3inch • Range of Measurement: Provide maximum borehole coverage
Acoustic Bore Hole Imager	<ul style="list-style-type: none"> • Acoustic Bore hole Image tool with inclinometer tool • Minimum Depth of Investigation: Bore hole wall • Range of Measurement: 12 inch

	<ul style="list-style-type: none"> Vertical Resolution = 0.4 inch
Ultra Sonic Image Tool	<ul style="list-style-type: none"> Ultra sonic Image {Cement & Corrosion Evaluation} tool Standard and High Resolution modes / images Minimum Depth of Investigation: Casing to cement interface for bond and corrosion evaluation. Vertical Resolution = 4 inch Range of Measurement: Acoustic impedance 0 to 10 Mrayl (0 to 10 MPa s/m)
Litho Scanner / Geochemical Spectroscopy Instrument / FLeX or equivalent	<ul style="list-style-type: none"> Should measure minimum 14 elements (Al, Ca, C, Cl, Gd, H, Fe, Mg, Mn, O, K, Si, S, Ti) for enhanced reservoir characterization
Nuclear Magnetic Resonance (CMR+AT / FMR / MReX or equivalent	<ul style="list-style-type: none"> For complex fluid characterization and tightrock / unconventional evaluation. For wide range of T1/T2, diffusion application along with conventional bound/free and total porosity.
Mechanical / Rotary Sidewall Coring	<ul style="list-style-type: none"> Minimum core capacity per run = 25 Minimum core length = 1.75 inch Minimum Core Diameter = 0.9 inch
Wireline BOP + Stuffing Box	<ul style="list-style-type: none"> Wireline BOP and stuffing box required during logging in different sections and perforation jobs with min rating of 3000 psi
Vertical Seismic Profile / Imager	<ul style="list-style-type: none"> Borehole tool has to be a three-component system compatible of performing services with vibrators as well as air guns, providing tight coupling between tool and casing. VSI tool with up to 8 shuttles required.
Wireline Formation Tester	<ul style="list-style-type: none"> Wireline Formation Tester including (but not limited to) Pressure & Temperature recording with quartz/strain/sapphire gauges (min two gauges required). Single and Dual Probe for Pressure points and sampling with standard/Large Diameter/ Extra Large Diameter probe. Dual Packer module for pressure transient testing and sampling Sampling Module (min 6 samples per run) Live Fluid analyzer Module (Resistivity & Optical Based) Pump out Module for sampling (including high pressure displacement unit)

Formation evaluation using slim hole tools	<ul style="list-style-type: none"> • Slim Resistivity Tool (Maximum OD 2.75") • Slim Density (Maximum OD 2.75") • Slim Neutron Porosity (Maximum OD 2.75") • Slim Sonic (Maximum OD 2.75") • Slim Gamma Ray (Maximum OD 2.75") • Slim tools utility is not limited to slim holes only. They can also be utilized in bigger hole sizes depending on borehole conditions as per OGDCL requirements to minimize • operational risks.
Behind Casing Reservoir Evaluation Tools	<ul style="list-style-type: none"> • Resistivity • Density • Neutron Porosity • Sonic • Gamma Ray
Auxiliary Services	
Well Head Pressure Control Equipment	<ul style="list-style-type: none"> • Well Head Pressure Control Equipment (10k psi) required for logging in different sections & other jobs.
Casing collar locator tool	<ul style="list-style-type: none"> • Casing collar locator tool for detecting collars of different casings.
Free Point indicators	<ul style="list-style-type: none"> • Free point Indicator services for different drill collars, drill pipes & Tubings.
Back Off Service	<ul style="list-style-type: none"> • Back off Service for all sizes of drill collars, drill pipes & Tubings.

Perforation for Pipe Recovery	<ul style="list-style-type: none"> • 1-11/16" or smaller gun to perforate Drill Pipe / Drill Collars / Heavy Weight Drill Pipes for resuming circulation.
Drill Pipe Colliding/ Severing Tool	<ul style="list-style-type: none"> • Drill pipe Colliding/Severing Tool is required for the following tubular: • DC's from 11" to 3-1/8" • HWDP's of 6-5/ 8" to 3 1/2" • DP's of 5-1/2", 5", 3-1/2" & 2-7/8"
Wireline Fishing Tools	<ul style="list-style-type: none"> • The Contractor shall maintain its fishing equipment inventory being capable of fishing all downhole wire line tools.
GR-CCL	<ul style="list-style-type: none"> • Gamma ray and CCL for depth correlation
Dummy / Depth Determination	<ul style="list-style-type: none"> • For any hole/casing/tubing/drill pipe size with active sensors like GR or/and CCL.
Tough Logging	<ul style="list-style-type: none"> • TLC equipment is required for deviated / slant wells.
Logging While Fishing	<ul style="list-style-type: none"> • Equipment/subs for logging while fishing.
Coiled Tubing Logging	<ul style="list-style-type: none"> • CTL compatible equipment for real time data acquisition.
Data Processing / Interpretations	
Data Output, Interpretations And Reports	<ul style="list-style-type: none"> • Rush prints at well site, processed data within 24hrs and interpretation reports (when required) within due time.

Foot Notes for Open Hole Services:

- Cost of the above mentioned services or equivalent may be quoted.
- A service charge will be applied only once under one MOB/DEMOB.
- Some services are overlapping between Open Hole and Cased hole contracts. If same contractor exists in both open hole and cased hole sections, then lower service cost will be applicable out of two contracts.
- If same contractor is doing both open hole and cased hole jobs in continuation, then minimum of only one service charge, one mob/Demob and one BOP/PCE (If applicable) of the two contracts will be charged.
- Any other service / technology not covered above like Jars, latest tech. tools, special cutters etc may be mentioned separately as per above format as optional.
- Firm cost may be quoted and NIL may be mentioned whichever is not applicable
- In case of TLC, no deviation charge will be applicable.
- H2S / CO2 surcharge will only be applicable if H2S / CO2 is a known phenomenon in the concerned field and it must be quantified on the field ticket, duly signed by OGDCL field representative at site.
- Sub-Total of each service will be calculated assuming depth=4000M and survey interval=1000M. Total / service will be calculated by multiplying sub-total with job frequency multiplication factor.
- When a Natural Gamma Ray Spectroscopy is recorded, no Gamma Ray charge will be applied for Gamma Ray recorded in combination with several different services under same MOB/DEMOB charge.
- Any depth, survey, run charge etc. where applicable will be applied once from surface to the actual deepest depth recorded with a service irrespective of number of runs made with that service under one MOB/DEMOB charge.
- For free point job both stretch and torque measurements are required for stations to be valid unless technically and operationally justified by OGDCL field representative on the field ticket.
- Resistivity data will be inclusive of SP curve.
- For dipole / BCR / Anisotropy jobs depth and survey charges will be inclusive of centralization and GPIT charges. However, data of caliper and GPIT will be provided. Depth and survey charges of all borehole imaging tools will be inclusive of GPIT charges
- During Formation Testing service no pressure charge will be made for setting when no seal is obtained. Each fluid sample will include a pressure recording at no extra charge. Sample charge will be valid only if sample is fully recovered as per specified volume. For LFA & Pump out modules, sample charge will be applicable only if sample is taken, however if only cleanout was the objective then cleanout charge will be applicable. In case both samples taken and cleanouts done, only one depth charge of Pump out & LFA applicable. Probe charges quoted above will be same for all types of probes.
- VSI charges will be inclusive of cost for Vibros etc.
- Any allied accessories/tool jewelry needed for smooth operation of above mentioned services will be responsibility of Service Company at no extra charge.
- Above mentioned cost is for financial evaluation purpose only. However, payment will be made at actual against verified invoices and in Pak Rupees at exchange rate prevalent on the date of payment.
- All tools mentioned in the table above should be the latest generation, and price quoted above will be inclusive of all modes pertaining to that tool.
- Slim Tools utility is not limited to slim holes only. They can also be utilized in bigger hole sizes as per Annexure-2 depending upon borehole conditions.
- ECRD activation & release charge will only be applicable if the weak point is released successfully as per mutual consent of OGDCL & the contractor.
- Standby cost of the above mentioned equipment or equivalent may be quoted.
- Standby will start after 10 free days of each line item are consumed.

- Standby will be applicable after the equipment/crew arrives at the well site and released by the Company.
- Total cost of each perforating gun system is required assuming depth=4000M and perforating interval as mentioned above against each gun system
- Perforation depth charge will be measured to the deepest shot. It will be applied only once for a series of runs made under the same service charge
- Above perforation charges are inclusive of all types of blank guns, spacers, hardware charges and penetration analysis report.
- BOP / Pressure Control Equipment quoted rates will be inclusive of H2S / CO2 surcharge.
- BOP/Pressure Control Equipment charges will be applied once under one MOB/DEMOB charge.
- Mob/Demob charges include complete transportation of logging unit, personnel, equipment, Explosive, Radioactive material and related accessories/ third party transportation to and back from the well site.
- If an operation cannot be completed due to failure / malfunctioning of equipment no charge will be applied.
- If an operation is attempted but cannot be completed due to well conditions or if an operation is cancelled by the client while equipment is in the hole, IO will be applicable. Only one IO charge per toolstring will be applicable in one run. In case of I/O, minimum of following of the two charges will be applicable:
 - 1) Maximum Charge per run quoted by bidder at serial # 1.254 in RFQ

OR

2) Maximum of the depth charges of the toolstring (as defined in RFQ) to the depth reached.

- If crew and equipment reached well site and all operations are cancelled by client before start of rig up, it will be treated as cancelled operation. Only Mob/Demob charges will be applicable as defined in RFQ.
- "Any other processing" includes every possible additional processing pertaining to that tool not mentioned in above tables.
- Any other module of processing not covered above may be quoted separately as optional.
- Above charges are inclusive of Report writing.
- Evaluation shall be carried out on complete package basis excluding optional services.
- Incomplete bids shall not be considered for evaluations and shall be rejected.

TERMS OF REFERENCE (TOR)
FOR
HIRING OF WIRELINE LOGGION & PERFORATION SERVICES
(Open Hole & Cased Hole Sections)

1. SCOPE OF WORK

- 1.1 Wireline logging, perforating and log data processing / interpretation services are required on "CALL OUT" basis for a period of three years from the issuance of LOI (subject to clause # 4 of TOR) on Exploratory, Appraisal, Development and Work over wells of OGDCL in the region of KPK & Baluchistan provinces of Pakistan.
- 1.2 The tender has been divided into "Open Hole" and "Cased Hole" sections. The bidders will have option to bid either for one of section or both sections.
- 1.3 The contracts will be awarded separately for Open Hole and cased Hole sections after respective technical and financial evaluations as per defined annexures and RFQ.
- 1.4 The estimated number of wells for Open Hole section is 30 with 50 jobs for the above mentioned period.
- 1.5 The estimated number of wells for Cased Hole section is 50 with 150 jobs for the above mentioned period.

2. ELIGIBILITY REQUIREMENTS

The bidder:

- 1.6 Must have minimum 10 years international or local experience of providing above mentioned services.
- 1.7 Must have dedicated team of experienced professionals to handle technical matters relating to all types of wireline logging operations, perforations and logs data processing/interpretation services.
- 1.8 Must be capable of providing required services / equipment as per Annexure-A2 (for Open Hole) and Annexure-A3 (for Cased Hole).
- 1.9 Must be capable of providing Wireline services simultaneously on **at least three OGDCL wells** located in the region for Open Hole services.
- 1.10 Must be capable of providing Wireline services simultaneously on **at least three OGDCL wells** located in the region for Cased Hole services.
- 1.11 Must confirm to carry out jobs at locations where OGDCL is active in operations.

2. TOOLS/EQUIPMENT/NOC's

- 2.1 Tools specified in Annexure-A2 & Annexure-A3 should be suitable to perform services within temperature range of 300°F to 350 °F. Tools having temperature rating more than 350 °F should also be made available as and when required for logging on high temperature wells. H2S & CO2 rated tools/equipment should also be available when required.

- 2.2 The bidder should provide the latest tools/surface acquisition and allied equipment for performing logging and perforating services as per Annexure- A2 & Annexure-A3.
- 2.3 The bidder will ensure the availability of sufficient tools and equipment (for three simultaneous jobs in Open Hole Services and for three simultaneous jobs in cased Hole Services) with backup support to carry out logging operations & perforating services simultaneously at different locations without any rig time/Production loss.
- 2.4 Provision of equipment for logging with TLC, through drill pipe, coil tubing or tractors (where applicable) should also be available when required.
- 2.5 All types of permits / NOCs, security clearances required for operations especially pertaining to manpower, radioactive sources / explosive import, storage, transportation etc. to any location of OGDCL will be the responsibility of the bidder.
- 2.6 OGDCL technical evaluation team may visit bidder's operational bases to physically verify the presence of quoted tools as part of technical evaluation process.

3. **BASE FACILITIES**

The bidder must have its suitably equipped base facilities for repair / maintenance, data processing / interpretation etc. and back up equipment/system support for smooth execution of logging and perforating services. Any bidder willing to avail extra time for the arrangement of tools, equipment, explosives and allied accessories etc. will be allowed 120 days period for arrangements from the issuance of LOI (120 days' time period will only be applicable for those bidders who ask for the same in writing along with the technical bid). For bidders availing 120 days period, the contract will start after 120 days from the issuance of LOI.

4. **PERSONNEL**

The bidder shall provide experienced professionals to perform logging, perforating and data processing/interpretation services. CVs to be submitted with the bid to appraise the competency level.

5. **PREPARATION OF BIDS**

- 5.1 For Open Hole services, the bidders shall prepare their bid in two parts i.e. Technical proposal (part-1) one original & one copy accompanied by soft copy on CD and Financial proposal (part-2) original.
- 5.2 For Cased Hole services, the bidders shall prepare their bid in two parts i.e. Technical proposal (part-1) one original & one copy accompanied by soft copy on CD and Financial proposal (part-2) original.
- 5.3 Bidders participating in both Open Hole and Cased Hole must submit two separate bids along with respective bid bonds.
- 5.4 The Technical proposal shall contain the details as per Annexure-A2 for Open Hole Services and as per Annexure-A3 for Cased Hole Services.
- 5.5 The bidders shall prepare their bids in line with given **wireline services / nomenclature or equivalent** services as per Annexure A2, A3 and details mentioned in RFQ.
- 5.6 The Financial proposal should indicate all prices/rates as specified in RFQ for Open Hole and Cased Hole. Any Hi-Tech/New Technology service which can be used to achieve the objective and not part of the financial model may also be quoted separately on the similar format. However financial evaluation will be strictly based on given financial models in RFQ.
- 5.7 POL such as HSD (Diesel) and lubricants will be issued by OGDCL (if required) to wireline units during logging operations and the same will be adjusted / deducted from the service company invoices at the time of payment.

5.8 OGDCL shall provide accommodation and messing for contractor's personnel during stay at field.

6. BID VALIDITY

6.1 The bid shall remain valid and open for acceptance for a period of 180 days from the specified date of tender opening.

7. WIRELIN DELIVERABLES

7.1 One (1) set of rush prints along with one CD containing digital data at well site right after completion of the job.

7.2 Seven (7) sets of prints of all the logs within 5 days after completion of the job.

7.3 Three (3) CD's containing DLIS, LAS, LIS and PDF formats within 5 days after completion of the job.

8. DATA PROCESSING / INTERPRETATIONS DELIVERABLES

8.1 Four (4) sets of comprehensive reports with interpretation plots.

8.2 One (1) CD with each report containing digital data of final report in PDF format.

9. EVALUATION OF PROPOSALS

9.1 The technical proposal shall be reviewed first to determine the responsiveness according to the information required vide Annexure-A2 for Open Hole Services and Annexure-A3 for Cased Hole Services. Technical proposals not conforming to and **deviating materially from the specifications and the conditions laid down in the Tender Documents shall be determined to be non-responsive and shall be rejected by the Company.**

9.2 Bids for both Open Hole Services and Cased Hole Services will be evaluated separately and independently.

9.3 Technical evaluation will be based on the following criteria's.

DETAIL OF TECHNICAL BID EVALUATION CRITERIA FOR OPEN HOLE SERVICES

Descriptions	Point Value	
	Score	Section %
Equipment & Services		55%
Equipment, tools & services quoted by Contractor to meet OGDCL job requirements for:		
i. Intermediate Logging	15	
ii. Reservoir Section Logging	25	
iii. Auxiliary Services	15	
Contractor's Experience		15%
<ul style="list-style-type: none"> Contractor's International OR Local experience & reputation in equipment and related services (11 points for 10-15 years, 15 points for 15+ years). Zero points for less than 10 years of experience 	15	
Contractor's Services Base		10%
Contractor's Wireline Services Base in Pakistan.		
<ul style="list-style-type: none"> Upto one existing base / assurance of establishing base = 7 Upto two existing bases = 10 		
Personal Qualification & Experience		10%

DETAIL OF TECHNICAL BID EVALUATION CRITERIA FOR CASED HOLE SERVICES

Descriptions	Point Value	
	Score	Section %
Equipment & Services		55%
Equipment, tools & services quoted by Contractor to meet OGDCL job requirements for:		
I. Complete Range of Perforating Services	20	
II. Production Logging and Casing Evaluation	20	
III. Pipe Recovery, BP/Packer Setting/Thru Tubing services	15	
Contractor's Experience		15%
<ul style="list-style-type: none"> Contractor's International OR Local experience & reputation in equipment and related services (11 points for 10-15 years, 15 points for 15+ years). Zero points for less than 10 years of experience 	15	
Contractor's Services Base		10%
Contractor's Wireline Services Base in Pakistan.		
<ul style="list-style-type: none"> Upto one existing base / assurance of establishing base = 7 Upto two existing bases = 10 	10	
Personal Qualification & Experience		10%
Average Experience of Contractor's proposed key personnel.		
<ul style="list-style-type: none"> Experience > 8 years = 10 Experience 6-8 years = 8 Experience 3-5 years = 7 Experience < 3 years = 0 	10	
HSE System		10%
Contractor's HSE performance		
Zero HSE incident in last 1 years = 10 points One HSE incident in last 1 years = 8 points Two HSE incident in last 1 years = 7 points Three HSE incident in last 1 years = 6 points	10	
TOTAL POINT VALUE	100	100%
TECHNICAL QUALIFICATION (Minimum Score)	75	

10.4 T

he financial bids of the bidders obtaining less than 75% marks on the aggregate will not be opened.

10.5 T

he bidder must get minimum 70% marks in each category. Any bidder getting less than 70% marks in any category will be disqualified.

10.6 A

After completion of Technical Evaluation, the financial proposal of technically qualified bidders will only be opened and examined to determine the lowest evaluated bid.

10.7 T

he bidder must provide un-priced copy of their financial

proposal as per given format with the technical bid.

- 10.8 For the purpose of determining the lowest evaluated bid, cost as per financial model in RFQ for Open Hole and Cased Hole will be taken into consideration. Optional equipment will not be considered for financial evaluation. However; bidder(s) should quote their firm prices on the similar format for any auxiliary / additional equipment / techniques or services not included in the schedule of requirement or financial evaluation model but required for Wireline logging & perforation operations as per technical requirement. Firm prices & clear discounts
- 10.9 / rebates (if any) for all the services referred in the proposal may be quoted. Conditional prices or rebates will not be considered for evaluations. Bidders are required to quote all items as per RFQ (For Open Hole and Cased Hole bids). Incomplete bids will be rejected and not considered for the financial evaluation.

10. PAYMENT TERMS

- 10.10 Service Company will submit the invoices duly signed and stamped by OGDCL representatives after completion of job & submission of final data to OGDCL head office Islamabad.
- 10.11 The invoices will be submitted in US Dollars. However payment will be made in equivalent Pak Rupees at the prevalent rate on the date of payment after technical and contractual verification.

TECHNICAL SPECIFICATIONS OF CASED HOLE SERVICES

Conventional and Slim Tools	
Equipment /Tools	Specification /Features
Logging Unit	<ul style="list-style-type: none"> Truck / Skid mounted Wireline Logging Unit for carrying out all type of Cased Hole Logging, Perforations services etc. on OGDCL wells.
Temperature	<ul style="list-style-type: none"> Temperature Tool measuring min. 300°F
Gamma Ray	<ul style="list-style-type: none"> Gamma Ray Tool Minimum Depth of Investigation: 12 inch Vertical Resolution = 1 ft Range of Measurement: 400 API
Cement Evaluation	<ul style="list-style-type: none"> Cement Bond / Variable Density logging tool is required Minimum Depth of Investigation: Casing to cement interface
Ultra Sonic Image Tool	<ul style="list-style-type: none"> Ultra sonic Image {Cement & Corrosion Evaluation} tool Standard and High Resolution modes / images Minimum Depth of Investigation: Casing to cement interface for bond and corrosion evaluation. Vertical Resolution = 4 inch Range of Measurement: Acoustic impedance 0 to 10 Mrayl (0 to 10 MPa s/m)
Wireline BOP + Stuffing Box	<ul style="list-style-type: none"> Wireline BOP and stuffing box required during logging in different sections and perforation jobs with min rating of 3000 psi
Auxiliary Services	
Well Head Pressure Control Equipment	<ul style="list-style-type: none"> Well Head Pressure Control Equipment (10k to 15k psi) required for logging in different sections, production logging, Perforation & other jobs.
Casing collar locator tool	<ul style="list-style-type: none"> Casing collar locator tool for detecting collars of different casings.
Free Point indicators	<ul style="list-style-type: none"> Free point Indicator services for different drill collars, drill pipes & Tubings.
Back Off Service	<ul style="list-style-type: none"> Back off Service for all sizes of drill collars, drill pipes & Tubings.
RCT / Power Cutter	<ul style="list-style-type: none"> For cutting Tubings of all sizes.
Tubing Puncher	<ul style="list-style-type: none"> Tubing Puncher Tools for all types of completion strings / tubings available in OGDCL.

Wireline Fishing Tools	<ul style="list-style-type: none"> The Contractor shall maintain its fishing equipment inventory being capable of fishing all downhole wire line tools.
GR-CCL / TCP Correlation	<ul style="list-style-type: none"> 1-11/16" tool (stand alone or combinable) with Gamma ray and CCL for depth correlation inside 9-5/8", 7" and 5" casings / liners / through DST strings and completions.
Dummy / Depth Determination	<ul style="list-style-type: none"> For any hole/casing/tubing/drill pipe size with active sensors like GR or/and CCL.
Bridge PlugSetting	<ul style="list-style-type: none"> Bidder to provide bridge plug setting tool for 9-5/8", 7" & 5" bridge plugs through Wireline.
Production Packer Setting	<ul style="list-style-type: none"> Bidder to provide bridge plug setting tool for 9-5/8", 7" & 5" production packers through Wireline.
Through Tubing Bridge PlugSetting	<ul style="list-style-type: none"> Through tubing bridge plug setting tool (1-11/16" & 2-1/8") and inflatable plugs (1-11/16" & 2-1/8") capable of setting inside 9-5/8", 7" & 5" casings/liners.
Cementing Dumping	<ul style="list-style-type: none"> Wireline conveyed cement dumping services (1-11/16" & 2- 1/8") above through tubing bridge plugs.
Gauge Ring & Junk Basket	<ul style="list-style-type: none"> Wireline conveyed gauge ring and junk basket services for all casing & liner sizes.
Corrosion Monitoring Tools	<ul style="list-style-type: none"> Tools for corrosion monitoring and integrity of tubing and casings of different sizes.
Coiled TubingLogging	<ul style="list-style-type: none"> CTL compatible equipment for real time data acquisition.
Perforating Services (RDX, HMX, HNS & PYX Explosive)	
HSD Gun System	<ul style="list-style-type: none"> Gun sizes 2-7/8" to 4-1/2" Deep penetrating charges with advanced applications. Conventional and high end technology
Spiral / Strip Gun System	<ul style="list-style-type: none"> Gun sizes 1-11/16" & 2-1/8" with magnetic positioning devices. Deep penetrating charges with advanced applications. Conventional and high end technology
Production Logging Services	
ProductionLogging	<ul style="list-style-type: none"> Standard Production logging suite includes but not limited to pressure / temperature / fluid density / flow meter / GR / CCL inside 9-5/8", 7" & 5" casings / liners. Water Hold up, Gas Hold up, Water flow log. Other Services Production logging suite for highly deviated wells. 3-phase water holdup (horizontal, highly deviated and vertical well with

	<p>conveyance method.</p> <ul style="list-style-type: none"> • Production logging in conveyance method with CT and tractor in real time
Cased Hole Reservoir Saturation Tool	<ul style="list-style-type: none"> • Cased hole reservoir saturation tool to measure porosity, sigma, water velocity, phase velocity and bore hole holdup • Minimum Depth of Investigation: 12 inch.
Spectral Noise Log	<ul style="list-style-type: none"> • For identifying water channeling behind casing and for determining dual string flow, fracture flow, leak detection, cement seal integrity and packer seal integrity.
Multi Barrier Corrosion Monitoring Tool	<ul style="list-style-type: none"> • To detect multi-barrier tubing and casing thickness / metal loss using electromagnetic principle.
Downhole Camera	<ul style="list-style-type: none"> • High resolution cameras for providing vivid, high frame rate color videos in real-time, enabling rapid and effective evaluation of complex well issues like imaging dropped objects and wellbore fish, mechanical inspection of wellbore hardware, inspection and monitoring of corrosion and erosion, perforation inspection to measure perforation size and optimize frac/perf programs, detecting water entry in gas wells and oil entry in high water cut wells, gas storage inspection, open hole imaging of barefoot completions, leak and cross-flow detection, sand entry detection etc.
Tractor	<ul style="list-style-type: none"> • Conveyance for wireline string in highly deviated and horizontal wells.
Data Processing / Interpretations	
Data Output, Interpretations And Reports	<ul style="list-style-type: none"> • Rush prints at well site, processed data within 24hrs and interpretation reports (when required) within due time.

Foot Notes for Cased Hole Services:

- Cost of the above mentioned services **or equivalent** may be quoted.
- A service charge will be applied only once under one MOB/DEMOB.
- Some services are overlapping between Open Hole and Cased hole contracts. If same contractor exists in both open hole and cased hole sections, then lower services cost will be applicable out of two contracts.
- If same contractor is doing both open hole and cased hole jobs in continuation, then minimum of only one service charge, one mob/Demob and one BOP/PCE (If applicable) of the two contracts will be charged.
- Any other service / technology not covered above like Jars, latest tech. tools, special cutters etc. may be mentioned separately as per above format as optional.
- Firm cost may be quoted and NIL may be mentioned whichever is not applicable
- H2S / CO2 surcharge will only be applicable if H2S / CO2 is a known phenomenon in the concerned field and it must be quantified on the field ticket, duly signed by OGDCL field representative at site.
- Sub-Total of each service will be calculated assuming depth=4000M and survey interval=1000M. Total / service will be calculated by multiplying sub-total with job frequency multiplication factor.
- Any depth, survey, run charge etc. where applicable will be applied once from surface to the actual deepest depth recorded with a service irrespective of number of runs made with that service under one MOB/DEMOB charge.
- For free point job both stretch and torque measurements are required for stations to be valid unless technically and operationally justified by OGDCL field representative on the field ticket.
- Any allied accessories/tool jewelry needed for smooth operation of above mentioned services will be responsibility of service company at no extra charge. Above mentioned cost is for financial evaluation purpose only. However, payment will be made at actual against verified invoices and in Pak Rupees at exchange rate prevalent on the date of payment.
- All tools mentioned in the table above should be the latest generation, and price quoted above will be inclusive of all modes pertaining to that tool.
- ECRD activation & release charge will only be applicable if the weak point is released successfully as per mutual consent of OGDCL & the contractor.
- Standby cost of the above mentioned equipment or equivalent may be quoted.
- Standby will start after 10 free days of each line item are consumed.
- Standby will be applicable after the equipment/crew arrives at the well site and released by the Company.
- Total cost of each perforating gun system is required assuming depth=4000M and perforating interval as mentioned above against each gun system
- Perforation depth charge will be measured to the deepest shot. It will be applied only once for a series of runs made under the same service charge
- Above perforation charges are inclusive of all types of blank guns, spacers, hardware charges and penetration analysis report.
- BOP / Pressure Control Equipment quoted rates will be inclusive of H2S / CO2 surcharge.
- BOP/Pressure Control Equipment charges will be applied once under one MOB/DEMOB charge.
- Mob/Demob charges include complete transportation of logging unit, personnel, equipment, Explosive, Radioactive material and related accessories/ third party transportation to and back from the wellsite.
- If an operation cannot be completed due to failure / malfunctioning of equipment no charge will be applied.

- If an operation is attempted but cannot be completed due to well conditions or if an operation is cancelled by the client while equipment is in the hole, IO will be applicable. Only one IO charge per toolstring will be applicable in one run. In case of I/O, minimum of following of the two charges will be applicable

1) Maximum Charge per run quoted by bidder at serial # 2.254

OR

2) Maximum of the depth charges of the toolstring (as defined in RFQ) to the depth reached.

*

- If crew and equipment reached well site and all operations are cancelled by client before start of rig up, it will be treated as cancelled operation. Only Mob/Demob charges will be applicable as defined in RFQ.
- For PLT logging, one flowing survey charge will be applicable per choke size regardless of number of passes at different speeds.
- RCT rates will be inclusive of any pre-requisite service such as tubing puncture etc.
- Crane will be arranged by the service company for rigless operations when and where requested by OGDCL.
- "Any other processing" includes every possible additional processing pertaining to that tool not mentioned in above tables.
- Any other module of processing not covered above may be quoted separately as optional.
- Above charges are inclusive of Report writing
- Evaluation shall be carried out on complete package basis excluding optional services.
- Incomplete bids shall not be considered for evaluations and shall be rejected.