



Republic of the Philippines
GENERAL SANTOS CITY WATER DISTRICT
General Santos City

**EXPLORATORY / DRILLING OF PRODUCTION WELL
RESERVOIR SITE, BRGY. SINAWAL, GEN. SANTOS CITY**

BILL OF QUANTITIES

		Qty.	Unit	Unit Cost	Amount
A.	PREPARATION OF SITE AND SETTING UP OF EQUIPMENT				
A.1	Excavation of concrete foundation of rig, mudpit, canal and guide borehole	1	lot		
A.2	Concreting of foundation for rig and around the conductor pipe casing	1	lot		
A.3	Grouting of mudpit and canal	1	lot		
A.4	Setting-up of equipment including test run	1	lot		
B.	DRILLING OF 200mmØ PILOT HOLE x 180m. (Including strata sampling every one meter penetration or less whenever change of formation occurs including installation of temporary casings if necessary.)	180	l.m.		
C.	GEOPHYSICAL BOREHOLE LOGGING OF PILOT HOLE (Soil analysis, water bearing strata identification, final well design, geophysical borehole logging (self potential and electrical resistivity))	1	lot		
D.	REAMING OF PILOT HOLE FROM 200mmØ TO 600mmØ				
D.1	Reaming of 450mm (17") borehole	180	l.m.		
D.2	Reaming of 600mm (24") borehole	180	l.m.		
E.	FURNISHING OF SPIRAL WELDED STEEL CASING AND CONTINUOUS WIREWOUND STAINLESS STEEL SCREEN				
E.1	400mmØ (16") Spiral Welded Steel pipe, minimum thickness is 9.00mm	101	l.m.		
E.2	300mmØ (12") Spiral Welded Steel pipe, minimum thickness is 9.00mm	34	l.m.		
E.3	300mmØ (12") Stainless steel continuous slot, wedge wirewound well screen, slot size 1.5mm (slot 60)	45	l.m.		
E.4	400mmØ x 300mmØ x 1.00m Steel Reducer	1	pc.		



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		Qty.	Unit	Unit Cost	Amount
F.	INSTALLATION OF CASINGS AND SCREENS INCLUDING STICK-UP PIPE	181	l.m.		
G.	FURNISHING AND INSTALLATION OF CASING CENTRALIZER	6	pc.		
H.	FURNISHING AND INSTALLATION OF GRAVEL PACK AND GRAVEL FILL PIPE	1	lot		
I.	TREATMENT WITH POLYPHOSPHATE SOLUTION	1	lot		
J.	WELL DEVELOPMENT				
J.1	Well Development (Jetting / Backwashing)	12	hour		
J.2	Well Development (Airlift Method)	12	hour		
J.3	Well Development (Surging/Brushing)	12	hour		
K.	STEP DRAWDOWN TEST, Max. Q = 70lps	1	lot		
L.	CONTINUOUS CONSTANT DISCHARGE RATE PUMPING TEST, Q = 70lps	72	hour		
M.	CEMENT GROUTING OF ANNULUS GROUND (25 m. DEPTH)	25	l.m.		
N.	FURNISHING AND INSTALLATION OF WELL HEAD CAP AND SOUNDING TUBE	1	lot		
O.	WATER QUALITY TESTING				
O.1	Physical and Chemical analysis (13 Parameters of PNSDW)	1	sample		
O.2	Bacteriological Analysis	1	sample		
O.3	Pesticide Analysis	1	sample		
O.4	Heavy Metal Test	1	sample		



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		Qty.	Unit	Unit Cost	Amount
P.	Well Camera after Well Rehabilitation	1	lot		
Q.	SPECIAL ITEMS				
Q.1	Provision of Field Office for Resident Engineer	1	lot		
Q.2	Project Signboard (GSCWD and COA)	2	set		
Q.3	Occupation Safety and Health Program	1	lot		
Q.4	Mobilization and Demobilization	1	lot		
	TOTAL ESTIMATED PROJECT COST				

Submitted by:

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Name of representative of Bidder

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Position

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Name of Bidder

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