Project Title: Well Rehabilitation of PS 27 DEL ROSARIO			Prepared By:	Project No.
Project Duration: Seven (7) Calendar Days				
Owner: City of San Fernando Water District			Approved By:	Sheet No.
Location: Barangay Del Rosario, CSFP			Date:	

BREAKDOWN OF COST ESTIMATES

Item	DESCRIPTION	Quantity	Unit	MATERIALS		LABOR/EQUIPMENT		DIRECT COST	
No.				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
1.00	**GENERAL REQUIREMENTS**								
1.10	Temporary Facility	14.00	sq.m						
1.20	Power and Water Supply (includes processing of application)	1.00	lot						
1.30	PPEs	1.00	lot						
1.40	Permits (All necessary permits)	1.00	lot						
	1.4.1 Plans and Drawings (blue printing, signed and sealed from professionals)	-	-						
	1.4.2 As-Built Plans and Final Report	1.00	lot						
1.50	Mobilization (includes equipment, manpower, site preparation)	7.00	days						
2.00	**WATER RATIONING FOR AFFECTED AREAS**								
2.10	Water trucks (2-6 cubic meter capacity-minimum)	7.00	days						
3.00	**WELL INVESTIGATION**								
3.10	**Camera Logging** (to inspect the real-time conditions of interior of water wells, casings, screens	1.00	result						
4.00	**REHABILITATION WORKS**								
4.10	Pull-out of existing pump and motor	2.00	days						
4.20	Well Rehabilitation								
	a. Treatment with polyphosphate solution	12.00	hours						
	b. Surging, Bailing, Brushing	24.00	hours						
	c. Air-Lifting	36.00	hours						

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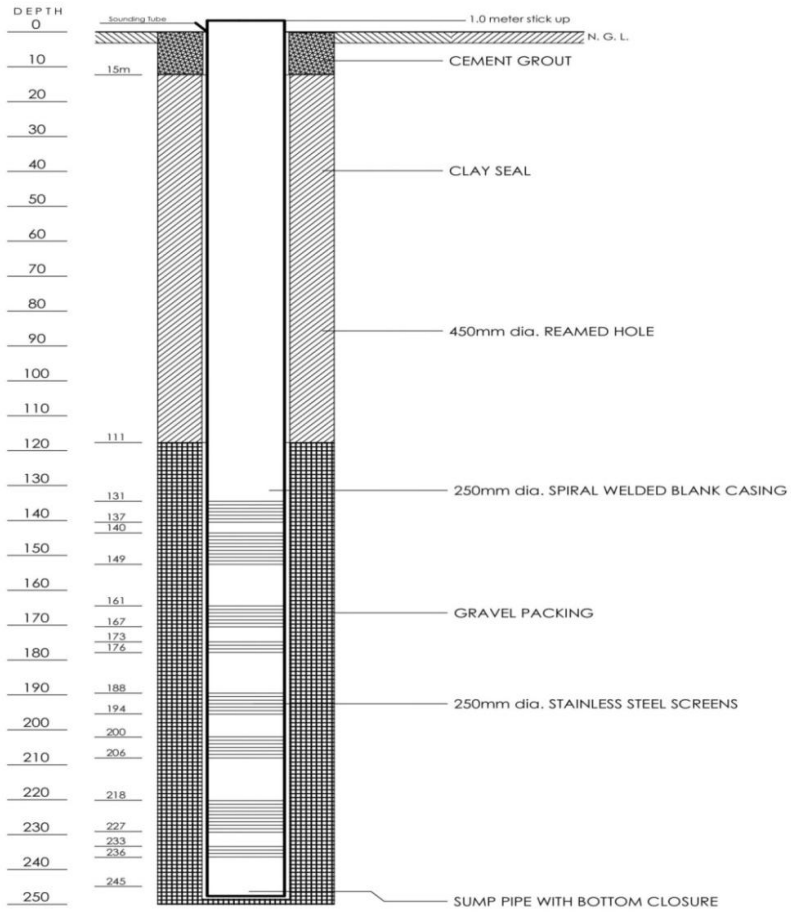
				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
	d. Well Disinfection	8.00	hours						
4.30	**Camera Logging** (to re-inspect the real-time conditions of well after rehabilitation)	1.00	result						
4.40	**Procurement of New Pump and Motor**								
	a. Supply and delivery of Submersible pump model SP77-4 or equivalent (item may be changed after pump testing). Rated to deliver 20 liters per second against a dynamic head of 100 meters, coupled to a 40hp submersible electric motor 440vac, 3-phase, 60hz to be set at the range of 120-150 meters.	1.00	set						
4.50	Installation, testing of new pump and motor nto determine new output	24.00	hours						
5.00	**CIVIL WORKS**								
5.10	Demolition Works (removal of 20 square meter fence to give equipment access)	11.00	sq.m.						
5.30	Perimeter Fence restoration	11.00	sq.m.						
6.00	**SITE CLEARING, DEMOBILIZATION**	1.00	lot						
	ESTIMATED DIRECT COST								
	OCM (15% of EDC)								
	PROFIT (10% of EDC)								
	VAT (5%)								
	TOTAL CONSTRUCTION COST								

Item	DESCRIPTION	Quantity	Unit	MATERIALS		LABOR/EQUIPMENT		DIRECT COST	
No.				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount



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LOCATION PLAN