

REPUBLIC OF THE PHILIPPINES
LAGUNA LAKE DEVELOPMENT AUTHORITY
 NATIONAL ECOLOGY CENTER EAST AVENUE DILIMAN QUEZON CITY

BILL OF QUANTITIES

NAME OF PROJECTS: Proposed Road Concreting and Rehabilitation of Carpark at Laguna Lake Development Authority Compound, Quezon City	Appropriation Source of Fund Issued Obligated Auth Released Calendar days Desirable Starting Date	2,575,000.00 120 C.D.
---	--	--

PROJECT DESCRIPTION:

Improvement / Rehabilitation of Roads and Drainage System

MINIMUM EQUIPMENT REQUIREMENT				TECHNICAL PERSONNEL REQUIREMENT			
DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.
Backhoe	2	Dump Truck	3	Civil Engineer	1		
Breaker	1	Vibrator	1	Materials Engineer	1		
Mini Dump	1	Plate Compactor	1	Safety Officer	1		
Conc. Mixer	1	Minor Tools	set	Construction Foreman	1		
Generator	1			Skilled Laborers	6		
				Unskilled Laborers	12		

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% WORK	UNIT	QUANTITY	TOTAL DIRECT COST	UNIT COST
PART FACILITIES FOR THE ENGINEER						
A.1.1(3)	Construction of Field Office for the Engineer		l.s.	1.00		
TOTAL OF PART A						
PART OTHER GENERAL REQUIREMENTS						
B.5	Project Billboard / Signboard		each	1.00		
B.7(2)	Occupational Safety and Health Program		l.s.	1.00		
B.9	Mobilization / Demobilization		l.s.	1.00		
TOTAL OF PART B						
PART EARTHWORKS						
100(1)	Clearing and Grubbing		sq.m.	70.00		
102(2)	Surplus Common Excavation		cu.m.	70.00		
103(1)	Structure Excavation, Common Soil		cu.m.	108.00		
103(1)	Structure Excavation, Soft Rock		cu.m.	72.00		

REPUBLIC OF THE PHILIPPINES
LAGUNA LAKE DEVELOPMENT AUTHORITY
 NATIONAL ECOLOGY CENTER EAST AVENUE DILIMAN QUEZON CITY

BILL OF QUANTITIES

NAME OF PROJECTS: Proposed Road Concreting and Rehabilitation of Carpark at Laguna Lake Development Authority Compound, Quezon City	Appropriation Source of Fund Issued Obligated Auth Released Calendar days Desirable Starting Date	2,575,000.00 120 C.D.
---	--	--

PROJECT DESCRIPTION:

Improvement / Rehabilitation of Roads and Drainage System

MINIMUM EQUIPMENT REQUIREMENT				TECHNICAL PERSONNEL REQUIREMENT			
DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.
Backhoe	2	Dump Truck	3	Civil Engineer	1		
Breaker	1	Vibrator	1	Materials Engineer	1		
Mini Dump	1	Plate Compactor	1	Safety Officer	1		
Conc. Mixer	1	Minor Tools	set	Construction Foreman	1		
Generator	1			Skilled Laborers	6		
				Unskilled Laborers	12		

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% WORK	UNIT	QUANTITY	TOTAL DIRECT COST	UNIT COST
103(6)	Pipe Culverts and Drain Excavation, Common		cu.m.	41.00		
103(6)	Pipe Culverts and Drain Excavation, Soft Rock		cu.m.	27.00		
103(3)	Foundation Fill		cu.m.	76.00		
105(1)	Subgrade Preparation, Common Material		sq.m.	213.00		
TOTAL OF PART C						
PART SUBBASE AND BASE COURSE						
200(1)	Aggregate Subbase Course		cu.m.	21.00		
201(1)	Aggregate Base Course		cu.m.	20.00		
TOTAL OF PART D						
PART SURFACE COURSES						
11(1)	Portland Cement Concrete Pavement (Unreinforced)		sq.m.	213.00		
11(2)	Portland Cement Concrete Pavement (Reinforced)		sq.m.	174.00		
TOTAL OF PART E						

REPUBLIC OF THE PHILIPPINES
LAGUNA LAKE DEVELOPMENT AUTHORITY
 NATIONAL ECOLOGY CENTER EAST AVENUE DILIMAN QUEZON CITY

BILL OF QUANTITIES

NAME OF PROJECTS: Proposed Road Concreting and Rehabilitation of Carpark at Laguna Lake Development Authority Compound, Quezon City	Appropriation Source of Fund Issued Obligated Auth Released Calendar days Desirable Starting Date	2,575,000.00 120 C.D.
---	--	--

PROJECT DESCRIPTION:

Improvement / Rehabilitation of Roads and Drainage System

MINIMUM EQUIPMENT REQUIREMENT				TECHNICAL PERSONNEL REQUIREMENT			
DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.
Backhoe	2	Dump Truck	3	Civil Engineer	1		
Breaker	1	Vibrator	1	Materials Engineer	1		
Mini Dump	1	Plate Compactor	1	Safety Officer	1		
Conc. Mixer	1	Minor Tools	set	Construction Foreman	1		
Generator	1			Skilled Laborers	6		
				Unskilled Laborers	12		

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% WORK	UNIT	QUANTITY	TOTAL DIRECT COST	UNIT COST
PART DRAINAGE STRUCTURES						
00(1)a	Pipe Culverts, 610mm dia., Class II, RCPC		l.m.	45.00		
02(1)b	Manholes, 610mm dia, CHB		each	4.00		
502(5)	Metal Frames and Gratings, Cast Iron		pair	4.00		
TOTAL OF PART F						
PART MISCELLANEOUS STRUCTURES						
600(4)	Curb and Gutter, Cast in place		l.m.	45.00		
601(1)	Sidewalk, 100 mm thk.		sq.m.	21.00		
807(9)	Paver Blocks		sq.m.	759.00		
TOTAL OF PART G						
TOTAL PROJECT COST						