



CERTIFICATE OF REASONABLENESS OF COST

UACS	:	310202100987000
PROJECT ID	:	P00606207LZ
PROJECT NAME	:	Road Widening of Puerto Princesa South Rd, K0046 + 000 - K0047 + 300,
LOCATION	:	K0047 + 440 - K0047 + 522
DURATION	:	Puerto Princesa City, Palawan
	:	215 Calendar Days

The total project cost of **Fifty Five Million Pesos (P 55,000,000.00)** for the project **001: Ensure Safe and Reliable National Road System - Network Development - Road Widening - Secondary Roads - Puerto Princesa South Rd, K0046 + 000 - K0047 + 300, K0047 + 440 - K0047 + 522** found to be reasonable based on actual survey data and cost estimate. Stated below are the scope of work and its corresponding total cost acquired.

SCOPE OF WORK (Civil Works Only):

ITEM NO.	DESCRIPTION	AMOUNT (TOTAL COST)	PERCENT (WEIGHT)
B	OTHER GENERAL REQUIREMENTS	P949,279.82	1.76%
C	EARTHWORK	P2,704,959.29	5.02%
D	SUBBASE AND BASE COURSE	P4,322,061.44	8.02%
E	SURFACE COURSES	P32,287,757.90	59.90%
F	BRIDGE CONSTRUCTION	P11,135,570.05	20.66%
G	DRAINAGE AND SLOPE PROTECTION STRUCTURES	P1,630,774.51	3.03%
H	MISCELLANEOUS STRUCTURES	P869,596.99	1.61%
TOTAL		P53,900,000.00	100.00%

Please refer to the attached POW (Itemized Breakdown).

As per GAA/Original			As Modified		
Physical Target	Unit Cost (P'000)	Allocation (P'000)	Physical Target	Unit Cost (P'000)	Estimated Cost (P'000)
CW1-Network Development - Road Widening: 1.638 Lane Km	P 38,336 Lane KM	53,900.000	CW1-Network Development - Road Widening: 1.674 Lane Km	P 32,198 Lane KM	53,900.000
EAO	-	1,100.000	EAO	-	1,100.000
TOTAL:		55,000.000	TOTAL:		55,000.000

Unit cost of project as per POW:	$\frac{53,900.00}{1.674 \text{ Lane Km}}$	=	$\frac{P \ 32,198.33}{\text{Lane Km}}$
----------------------------------	---	---	--

Certificate of Reasonableness of Cost

The derivation of unit cost per Lane KM is based on the Lane KM required from the Detailed Engineering Design Plans in conformance with the design criteria/requirements. Items relevant to road construction are incorporated in derivation of unit cost.

As shown on the table above, the project involves quantities for earthworks - Individual Removal of Trees, Surplus Common Excavation, Embankment for Roadway Excavation-Common Soil & Subgrade Preparation-Common Materials, which attains a total percentage of **5.02%** or **P 2,704,959.29** of the total project civil works cost. Further, Item D, E & F - at total of **8.02%** or **P 4,322,061.44**, **59.90%** or **P 32,287,757.90** & **20.661%** or **P 11,135,570.05** respectively of the total project civil work cost., The inclusion of Drainage & Slope Protection Structure - Pipe Culverts, Stone Masonry are necessary to prevent the road section from erosion and flooding which is equivalent to **3.03%** or **P 1,630,774.51** of the total project civil works cost. Lastly Miscellaneous Structure- Metal Guardrail including Post Single W-Beam, Metal Beam End Piece Bull Nose & Reflectorized Thermoplastic Pavement Markings **1.61%** or **P 869,596.99** of the total project civil works cost.

Hence, it is reasonable as to the unit cost of the items of work involved which are within the prevailing cost of the Department.

Issued this **11th** of **February 2022** in support to the request for modification of the above captioned project.


AMELITA B. FAJARDO
District Engineer


GERALD A. PACANAN
Regional Director