

Republic of the Philippines
Province of Cagayan
City of Tuguegarao

Office of the Secretary to the Sanggunian

February 21, 2018.

Dr. Rosalinda P. Callang
Secretary to the Sanggunian
Sangguniang Panlalawigan, Province of Cagayan
Capitol Hills, Tuguegarao City



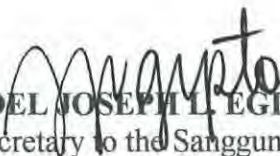
Madam:

Pursuant to Section 54 of the Local Government Code, we are now submitting for review and action the attached legislative measure enacted by the Sangguniang Panlungsod on February 13, 2018, to wit:

- **APPROPRIATION ORDINANCE NO. 01-2018** – “An Ordinance Authorizing the Supplemental Budget No. 01 of Tuguegarao City for CY 2018”

Thank you.

Yours truly,


JOEL JOSEPH L. EGIPTO
Secretary to the Sanggunian





Republic of the Philippines
 PROVINCE OF CAGAYAN
 City of Tuguegarao
SEVENTH CITY COUNCIL



EXCERPTS FROM THE MINUTES OF THE 72nd REGULAR SESSION
 OF THE SEVENTH CITY COUNCIL OF TUGUEGARAO CITY, CAGAYAN
 HELD ON FEBRUARY 13, 2018, 9:00 A.M., TUESDAY,
 AT THE SANGGUNIANG PANLUNGSOD SESSION HALL

PRESENT:

Hon. Bienvenido C. De Guzman II	City Vice Mayor, Presiding Officer
Hon. Jude T. Bayona	Sangguniang Panlungsod Member
Hon. Arnel T. Arugay	-do-
Hon. Gilbert S. Labang	-do-
Hon. Winnoco R. Abraham	-do-
Hon. Imogen Claire M. Callangan	-do-
Hon. Mary Marjorie P. Martin-Chan	-do-
Hon. Raymund P. Guzman	-do-
Hon. Grace B. Arago	-do-
Hon. Anthony C. Tuddao	-do-
Hon. Jose G. Velasco	-do-

ABSENT:

Hon. Kendrick S. Calubaquib	Sangguniang Panlungsod Member (on Sick Leave)
Hon. Maila Rosario T. Que	Sangguniang Panlungsod Member (on Vacation Leave)

APPROPRIATION ORDINANCE NO. 01-2018

AN ORDINANCE AUTHORIZING SUPPLEMENTAL BUDGET NO. 01 OF TUGUEGARAO CITY FOR CY 2018

WHEREAS, Section 458 of Republic act 7160, otherwise known as the Local Government Code of 1991, and Article 99 (2) (i) of the Rules and Regulations Implementing the Local Government Code of 1991 provide that the Sangguniang Panlungsod has the power to “approve annual and supplemental budgets of the City Government and appropriate funds for specific programs, projects, services and activities of the city, or for other purposes not contrary to law, in order to promote the general welfare of the city and its inhabitants”;

WHEREAS, City Development Council (CDC) Resolution No. 01, Series of 2018 titled “Resolution Endorsing to the Seventh City Council the approval of the Supplemental Investment Program CY 2018 for Supplemental Budget No. 01-2018” was approved by the Seventh City Council during its Regular Session held on February 05, 2018;

WHEREAS, the City Mayor, Hon. Atty. Jefferson P. Soriano, has endorsed a request for an Appropriation Ordinance through a Supplemental Budget in the amount of One Hundred Twenty Million Pesos (P120,000,000.00) to fund the Priority Programs, Projects and Activities of the City as contained in CDC Resolution 01, Series of 2018.

WHEREAS, the City Accountant and the City Treasurer has certified that the amount of One Hundred Twenty Million Pesos (P120,000,000.00) is free from any obligation and is available for appropriation.

NOW, THEREFORE, be it **ORDAINED** by the Seventh City Council, to enact:

SECTION 1. AUTHORIZATION. The Supplemental Budget No. 01 of Tuguegarao City for CY 2018 with a total appropriation of One Hundred Twenty Million Pesos (120,000,000.00) is authorized to finance the Priority Programs, Projects and Activities of the City.

SECTION 2. SOURCE OF FUNDS. The Appropriation shall be sourced out form the loan proceeds from the Development Bank of the Philippines (DBP) which is available for release to Tuguegarao City Government.

SECTION 3. USE OF FUNDS. The amount of One Hundred Twenty Million Pesos (120,000,000.00) is hereby appropriated for Supplemental Budget No. 01 of Tuguegarao City for CY 2018 as follows:

Programs/Projects	Total Cost
MAYOR'S OFFICE	
1). CONSTRUCTION OF SCHOOL BUILDING	
a. Construction of 3 Classrooms, 2 nd Floor (Libag Elem. School)	3,825,467.06
b. Construction of 2 Classrooms, 1 Storey School Building (Gosi Elem. School)	2,608,096.92
c. Construction of 1 Classroom, 2 nd Floor (Dadda Elem. School)	1,092,266.69
d. Construction of 2 Classrooms, 1 Storey School Building (Larion Bajo Elem. School)	2,608,096.92
e. Construction of 2 Classrooms, 2 nd Floor School Building (Tagga-Dadda Elem. School)	2,982,746.30
f. Construction of 3 Classrooms, 2 nd Floor (Bagay Elem. School)	4,008,749.98
g. Construction of 4 Classrooms, 2 nd Floor (Pallua Elem. School)	3,477,064.15
h. Construction of 1 Classroom, 2 nd Floor (Cataggaman Elem. School)	1,329,023.39
i. Construction of 2 Classrooms, 2 nd Floor (Cataggaman Nuevo Elem. School)	1,836,614.65
j. Construction of 4 Classrooms, 2 Storey School Building (Ugac Elem. School)	6,514,770.71
k. Construction of 2 Classrooms, 2 nd Floor (Atulayan Elem. School)	1,901,324.63
l. Construction of 6 Classrooms, 2 Storey School Building (Annafunan East Elem. School)	7,733,033.78
m. Construction of 2 Classrooms, 2 nd Floor (Carig Elem. School)	2,961,517.52
n. Construction of 4 Classrooms, 2 Storey School Building (Northeast Central School (Tanza-Caggay)	6,474,770.71
o. Construction of 1 Classroom, 2 nd Floor (Linao Elem. School)	1,092,266.69
p. Construction of 4 Classrooms, 2 Storey School Building (Pengue-Ruyu Elem. School)	4,552,059.83
q. Construction of 4 Classrooms, 2 Storey School Building (West Central School, Ugac Sur)	6,514,770.71
r. Construction of 6 Classrooms, 2 Storey School Building (North Central School)	7,541,272.43
s. Construction of 12 Classrooms, 4 Storey School Building (Cagayan National High School)	13,383,894.10
t. Construction of 15 Classrooms, 3 Storey School Building (Tuguegarao East Central School)	17,562,192.83
Sub-Total:	<u>100,000,000.00</u>
GENERAL SERVICES OFFICE	
1) CONSTRUCTION AND HEAVY EQUIPMENT	<u>20,000,000.00</u>
GRAND TOTAL:	<u>120,000,000.00</u>

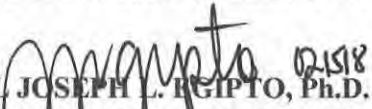
SECTION 4. The disbursements of funds shall be made subject to the usual accounting and auditing rules and regulations.

SECTION 5. SEPARABILITY CLAUSE. If for any reason that any section or provision of this ordinance is declared unconstitutional or contrary to other laws and statutes, other sections or provisions hereof which are not affected thereby shall continue to be in full force and effect.

SECTION 6. EFFECTIVITY. This Appropriation Ordinance shall take effect immediately upon its approval.

X-X-X

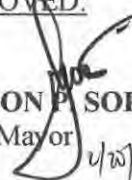
I HEREBY CERTIFY TO THE CORRECTNESS OF THE FOREGOING:


JOEL JOSEPH L. EGIPIO, Ph.D.
Secretary to the Sanggunian

ATTESTED:


HON. BIENVENIDO C. DE GUZMAN II
City Vice Mayor
Date: _____

APPROVED:


HON. JEFFERSON P. SORIANO
City Mayor
Date: _____ 4/10/18

JVC
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NAME OF PROJECT	LOCATION	PROJECT COST
A		
1. Construction of 3 Classrooms, 2nd Floor	Libag Elementary School	3,825,467.06
2. Construction of 2 Classrooms- 1 Storey School Building	Gosi Elementary School	2,608,096.92
3. Construction of 1 Classroom, 2nd Floor	Dadda Elementary School	1,092,266.69
4. Construction of 2 Classrooms- 1 Storey School Building	Larion Elementary School	2,608,096.92
5. Construction of 2 Classrooms- 2nd Floor School Building	Tagga-Dadda Elementary School	2,982,746.30
B		
1. Construction of 3 Classrooms, 2nd Floor	Bagay Elementary School	4,008,749.98
2. Construction of 4 Classrooms, 2nd Floor	Pallua Elementary School	3,477,064.15
3. Construction of 1 Classroom, 2nd Floor	Cataggaman Elementary School	1,329,023.39
4. Construction of 2 Classrooms, 2nd Floor	Cataggaman Nuevo Elementary School	1,836,614.65
5. Construction of 4 Classrooms, 2 Storey School Building	Ugac Elementary School	6,514,770.71
C		
1. Construction of 2 Classrooms, 2nd Floor	Atulayan Elementary School	1,901,324.63
2. Construction of 6 Classrooms, 2 Storey School Building	Annafunan Elementary School	7,733,033.78
3. Construction of 2 Classrooms, 2nd Floor	Carig Elementary School	2,961,517.52
4. Construction of 4 Classrooms, 2 Storey School Building	Northeast Central School, Tanza-Caggay, Tug. City	6,474,770.71
5. Construction of 1 Classroom, 2nd Floor	Linao Elementary School	1,092,266.69
6. Construction of 4 Classrooms, 2 Storey School Building	Pengue-Ruyu Elementary School, Tuguegarao City	4,552,059.83
D		
1. Construction of 4 Classrooms, 2 Storey School Building	West Central School, Ugac, Sur, Tug. City	6,514,770.71
2. Construction of 6 Classrooms, 2 Storey School Building	North Central School, Tuguegarao City	7,541,272.43
3. Construction of 12 Classrooms, 4 Storey School Building	Cagayan National High School	13,383,894.10
4. Construction of 15 Classrooms, 3 Storey School Building	Tuguegarao East Central School, Tuguegarao City	17,562,192.83
E		
1. Construction and Heavy Equipment	Tuguegarao City	20,000,000.00

120,000,000.00

NAME OF PROJECT	LOCATION	PROJECT COST
A		
1. Construction of 3 Classrooms, 2nd Floor	Libag Elementary School	3,825,467.06
2. Construction of 2 Classrooms- 1 Storey School Building	Gosi Elementary School	2,608,096.92
3. Construction of 1 Classroom, 2nd Floor	Dadda Elementary School	1,092,266.69
4. Construction of 2 Classrooms- 1 Storey School Building	Larion Elementary School	2,608,096.92
5. Construction of 2 Classrooms- 2nd Floor School Building	Tagga-Dadda Elementary School	2,982,746.30
B		
1. Construction of 3 Classrooms, 2nd Floor	Bagay Elementary School	4,008,749.98
2. Construction of 4 Classrooms, 2nd Floor	Pallua Elementary School	3,477,064.15
3. Construction of 1 Classroom, 2nd Floor	Cataggaman Elementary School	1,329,023.39
4. Construction of 2 Classrooms, 2nd Floor	Cataggaman Nuevo Elementary School	1,836,614.65
5. Construction of 4 Classrooms, 2 Storey School Building	Ugac Elementary School	6,514,770.71
C		
1. Construction of 2 Classrooms, 2nd Floor	Atulayan Elementary School	1,901,324.63
2. Construction of 6 Classrooms, 2 Storey School Building	Annafunan Elementary School	7,733,033.78
3. Construction of 2 Classrooms, 2nd Floor	Carig Elementary School	2,961,517.52
4. Construction of 4 Classrooms, 2 Storey School Building	Northeast Central School, Tanza-Caggay, Tug. City	6,474,770.71
5. Construction of 1 Classroom, 2nd Floor	Linao Elementary School	1,092,266.69
6. Construction of 4 Classrooms, 2 Storey School Building	Pengue-Ruyu Elementary School, Tuguegarao City	4,552,059.83
D		
1. Construction of 4 Classrooms, 2 Storey School Building	West Central School, Ugac, Sur, Tug. City	6,514,770.71
2. Construction of 6 Classrooms, 2 Storey School Building	North Central School, Tuguegarao City	7,541,272.43
3. Construction of 12 Classrooms, 4 Storey School Building	Cagayan National High School	13,383,894.10
4. Construction of 15 Classrooms, 3 Storey School Building	Tuguegarao East Central School, Tuguegarao City	17,562,192.83
E		
1. Construction and Heavy Equipment	Tuguegarao City	20,000,000.00

120,000,000.00

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 3 CLASSROOM , 2ND FLOOR

LOCATION : LIBAG ELEMENTARY ,TUGUEGARAO CITY

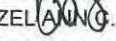
SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Project Signages	Lot	1.00	5,000.00	5,000.00
III	Final Clearing down	all	1.00	15,750.00	15,750.00
IV	Excavation	cu.m.	25.17	509.64	12,827.73
V	Soil Treatment	sq.m.	12.00	208.75	2,504.96
VI	Backfilling	cu.m.	28.74	365.20	10,497.30
VII	Gravel Bedding	cu.m.	1.95	896.22	1,747.64
VIII	R.C. Column Footing	cu.m.	6.00	5,567.89	33,407.33
IX	Reinforcing Steel for footing	kgs	473.66	63.48	30,068.56
X	R.C. Tie Beam	cu.m.	13.32	5,539.71	73,788.90
XI	Reinforcing Steel for Tie Beam	kgs	380.84	63.43	24,156.02
XII	R.C. Columns	cu.m.	9.87	12,180.78	120,224.28
XIII	Reinforcing Steel for Columns	kgs	3,356.68	68.54	230,057.44
XIV	R.C. Beams	cu.m.	30.48	12,085.68	368,371.57
XV	Reinforcing Steel for Beams	kgs	7,018.48	68.57	481,271.23
XVI	R.C. Suspended Slab	cu.m.	13.35	11,991.74	160,089.76
XVII	Rein. Steel for Suspended Slab	kgs	3,081.19	68.59	211,341.78
XVIII	R.C. Stair	cu.m.	1.86	11,897.83	22,169.62
XIX	Rein. Steel for Stair	kgs	631.93	67.46	42,632.24
XX	R.C. Slab on Fill	cu.m.	2.50	5,607.74	14,019.34
XXI	Rein. Steel for Slab on Fill	kgs	85.01	64.87	5,514.17
XXII	R.C. Wall Footing	cu.m.	0.46	5,577.83	2,565.80
XXIII	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXIV	Masonry works	sq.m.	434.68	1,039.61	451,896.26
XXV	Cement Plaster Finish	sq.m.	956.30	161.24	154,191.17
XXVI	Steel Works	kgs	2,665.71	90.32	240,772.29
XXVII	Roofing Works	sq.m.	189.00	1,006.48	190,224.05
XXVIII	Ceiling Works	sq.m.	1.00	965.42	965.42
XXIX	Waterproofing	sq.m.	75.00	219.84	16,488.36
XXX	Paintings (Masonry & S.Slab)	sq.m.	1,144.40	235.10	269,047.86
XXXI	Paintings (Ceiling Works)	sq.m.	189.00	216.31	40,882.00
XXXII	Wires and Wiring Devices	ln.m	450.00	45.42	20,439.56
XXXIII	Lighting Fixtures	set	23.00	426.56	9,810.94
XXXIV	Panel Boards & Breaker	set	12.00	1,554.00	18,648.00
XXXV	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXXVI	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXVII	Steel Casement Windows	sq.m.	39.24	4,156.25	163,091.25

XXXVIII	Blackboard	set	3.00	8,192.19	24,576.56
XXXIX	Steel Door	set	1.00	53,576.25	53,576.25
XXXX	Tiling Works	sq.m.	60.72	996.48	60,506.04
XXXXI	Aluminum Works	sq.m.	9.60	4,921.88	47,250.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					3,825,467.06
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			-
		E. Total Estimated Cost			3,825,467.06
		Say			
		F. Duration of Works			135 C.D

PREPARED BY:


GIEZELA M. NALOG
Engineer I

CHECKED BY:


CLIFFORD C. ESCOBAR
Engineer III

RECOMMENDING APPROVAL:


FRANCISCO V. LINGAN Jr.
Head, Intra Projects

APPROVED BY:


ATTY. JEFFERSON P. SORIANO
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 2- CLASSROOM -1 STOREY SCHOOL BUILDING
LOCATION : GOSI ELEMENTARY SCHOOL , GOSI SUR, TUGUEGARAO CITY
SOURCE OF FUND :
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Cleaning down	All	1.00	10,500.00	10,500.00
III	Excavation	cu.m.	119.85	509.64	61,078.26
IV	Soil Treatment	sq.m.	57.20	197.73	11,310.30
V	Backfilling	cu.m.	314.71	363.16	114,291.43
VI	Gravel Bedding	cu.m.	11.33	896.22	10,154.22
VII	R.C. Column Footing	cu.m.	28.60	5,530.10	158,160.99
VIII	Reinforcing Steel for footing	kgs	1,894.66	63.38	120,090.49
IX	R.C. Tie Beam	cu.m.	5.45	5,573.37	30,347.01
X	Reinforcing Steel for Tie Beam	kgs	1,492.95	63.07	94,166.59
XI	R.C. Columns	cu.m.	12.30	11,973.64	147,251.79
XII	Reinforcing Steel for Columns	kgs	2,580.06	68.21	175,977.89
XIII	R.C. Beams	cu.m.	16.54	11,939.30	197,523.84
XIV	Reinforcing Steel for Beams	kgs	3,692.26	68.12	251,525.06
XV	R.C. Suspended Slab	cu.m.	12.05	11,974.04	144,227.35
XVI	Rein. Steel for Suspended Slab	kgs	3,081.19	68.24	210,274.44
XVII	R.C. Slab on Fill	cu.m.	16.94	5,570.51	94,364.45
XVIII	Rein. Steel for Slab on Fill	kgs	475.68	65.99	31,389.05
XIX	Masonry works	sq.m.	244.29	1,052.69	257,158.84
XX	Cement Plaster Finish	sq.m.	537.43	161.16	86,613.38
XXI	Waterproofing	sq.m.	184.80	209.65	38,742.57
XXII	Paintings (Masonry & S.Slab)	sq.m.	673.38	235.89	158,841.84
XXIII	Wires and Wiring Devices	ln.m	300.00	43.58	13,072.50
XXIV	Lighting Fixtures	set	12.00	426.56	5,118.75
XXV	Panel Boards & Breaker	set	8.00	1,607.81	12,862.50
XXVI	Conduit, Boxes and Fittings	ln.m	150.00	74.79	11,219.02
XXVII	Steel Casement Windows	sq.m.	25.20	4,156.25	104,737.50
XXVIII	Blackboard	set	2.00	8,192.19	16,384.38
XXIX	Steel Door	set	1.00	30,712.50	30,712.50
XXX	Project Signages	Lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL			A. DIRECT COST (SUB TOTAL)	2,608,096.92	
LABOR			B. Eng'g & Adm. Overhead/Eng'g Supervision		
MATERIALS			C. OCM		
HANDTOOLS			D. Furniture		
RENTAL OF EQUIPMENT			E. Total Estimated Cost		
			Say	2,608,096.92	
			F. Duration of Works	90 C.D	

PREPARED BY:
GIEZEL ANN C. NALOG
Engineer I

CHECKED BY:
CLIFFORD C. ESCOBAR
Engineer III

RECOMMENDING APPROVAL:
FRANCISCO V. LINGAN Jr.
Head, Infra Projects

APPROVED BY:
ATTY. JEFFERSON P. SORIANO
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 1 CLASSROOM, 2ND FLOOR
LOCATION : DADDA ELEMENTARY SCHOOL, TUGUEGARAO CITY
SOURCE OF FUND :
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
	Final Clearing Down	All	1.00	5,250.00	5,250.00
II	R.C. Columns	cu.m.	5.12	12,161.15	62,265.11
III	Reinforcing Steel for Columns	kgs	1,871.90	68.26	127,773.82
IV	R.C. Beams	cu.m.	5.40	12,033.29	64,979.74
V	Reinforcing Steel for Beams	kgs	1,478.64	68.02	100,579.36
VI	R.C. Suspended Slab	cu.m.	4.60	11,970.08	55,062.38
VII	Reinforcing Steel for Slabs	kgs	1,103.01	68.11	75,126.01
VIII	Masonry works	sq.m.	149.00	1,034.11	154,082.02
IX	Cement Plaster Finish	sq.m.	298.00	161.33	48,076.76
X	Steel Works	kgs	763.22	89.84	68,568.90
XI	Metal Roofing	sq.m.	61.60	1,044.03	64,312.35
XII	Ceiling Works	sq.m.	61.60	963.47	59,349.73
XIII	Water Proofing	sq.m.	40.70	231.43	9,419.31
XIV	Painting (Walls)	sq.m.	327.80	216.99	71,130.38
XV	Painting (Ceiling)	sq.m.	61.60	230.74	14,213.60
XVI	Wires and Wiring Devices	ln.m	150.00	43.58	6,536.25
XVII	Lighting Fixtures	set	6.00	426.56	2,559.38
XVIII	Panel Board and Breaker	set	8.00	1,607.81	12,862.50
XIX	Conduit, Boxes and Fittings	ln.m	38.00	110.58	4,201.90
XX	Windows	sq.m.	12.60	4,156.25	52,368.75
XXI	Blackboard	set	1.00	8,192.19	8,192.19
XXII	Steel Doors	lot	1.00	15,356.25	15,356.25
XXIII	Project Signages	lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL				A. DIRECT COST (SUB TOTAL)	1,092,266.69
LABOR				B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS				C. OCM	
HANDTOOLS					
RENTAL OF EQUIPMENT				D. Furniture	-
				E. Total Estimated Cost	1,092,266.69
				F. Duration of Works	45 C.D

PREPARED BY:

Giezel Ann E. Nalog
Engineer I

CHECKED BY:

Clifford C. Escobar
Engineer III

RECOMMENDING APPROVAL:

Francisco V. Lingan Jr.
Head, Infra Projects

APPROVED BY:

Atty. Jefferson P. Soriano
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 2- CLASSROOM -1 STOREY SCHOOL BUILDING

LOCATION : LARION ELEMENTARY SCHOOL , LARION, TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing down	all	1.00	10,500.00	10,500.00
III	Excavation	cu.m.	119.85	509.64	61,078.26
IV	Soil Treatment	sq.m.	57.20	197.73	11,310.30
V	Backfilling	cu.m.	314.71	363.16	114,291.43
VI	Gravel Bedding	cu.m.	11.33	896.22	10,154.22
VII	R.C. Column Footing	cu.m.	28.60	5,530.10	158,160.99
VIII	Reinforcing Steel for footing	kgs	1,894.66	63.38	120,090.49
IX	R.C. Tie Beam	cu.m.	5.45	5,573.37	30,347.01
X	Reinforcing Steel for Tie Beam	kgs	1,492.95	63.07	94,166.59
XI	R.C. Columns	cu.m.	12.30	11,973.64	147,251.79
XII	Reinforcing Steel for Columns	kgs	2,580.06	68.21	175,977.89
XIII	R.C. Beams	cu.m.	16.54	11,939.30	197,523.84
XIV	Reinforcing Steel for Beams	kgs	3,692.26	68.12	251,525.06
XV	R.C. Suspended Slab	cu.m.	12.05	11,974.04	144,227.35
XVI	Rein. Steel for Suspended Slab	kgs	3,081.19	68.24	210,274.44
XVII	R.C. Slab on Fill	cu.m.	16.94	5,570.51	94,364.45
XVIII	Rein. Steel for Slab on Fill	kgs	475.68	65.99	31,389.05
XIX	Masonry works	sq.m.	244.29	1,052.69	257,158.84
XX	Cement Plaster Finish	sq.m.	537.43	161.16	86,613.38
XXI	Waterproofing	sq.m.	184.80	209.65	38,742.57
XXII	Paintings (Masonry & S.Slab)	sq.m.	673.38	235.89	158,841.84
XXIII	Wires and Wiring Devices	ln.m	300.00	43.58	13,072.50
XXIV	Lighting Fixtures	set	12.00	426.56	5,118.75
XXV	Panel Boards & Breaker	set	8.00	1,607.81	12,862.50
XXVI	Conduit, Boxes and Fittings	ln.m	150.00	74.79	11,219.02
XXVII	Steel Casement Windows	sq.m.	25.20	4,156.25	104,737.50
XXVIII	Blackboard	set	2.00	8,192.19	16,384.38
XXIX	Steel Door	set	1.00	30,712.50	30,712.50
XXX	Project Signages	Lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL			A. DIRECT COST (SUB TOTAL)	2,608,096.92	
LABOR			B. Eng'g & Adm. Overhead/Eng'g Supervision		
MATERIALS			C. OCM		
HANDTOOLS			D. Furniture		
RENTAL OF EQUIPMENT			E. Total Estimated Cost		
			Say	2,608,096.92	
			F. Duration of Works	90 C.D	

PREPARED BY:

GIEZEL ANN C. ANALOG
Engineer I

CHECKED BY:

CLIFFORD O. ESCOBAR
Engineer III

RECOMMENDING APPROVAL:

FRANCISCO M. LINGAN
Head, Infra Projects

APPROVED BY:

ATTY. JEFFERSON P. SORIANO
City Mayor

Republic of the Philippines
 Province of Cagayan
 CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 2 CLASSROOMS - 2NDFLOOR SCHOOL BUUILDING

LOCATION : TAGGA-DADDA ELEMENTARY SCHOOL, TAGGA, TUGUEGARAO CITY


SOURCE OF FUND :

DATE:

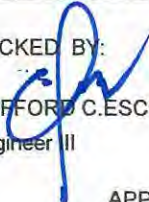
ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Project Signages	Lot	1.00	5,000.00	5,000.00
III	Final Clearing down	All	1.00	10,500.00	10,500.00
IV	Excavation	cu.m.	25.35	509.64	12,919.47
V	Soil Treatment	sq.m.	12.00	208.75	2,504.96
VI	Backfilling	cu.m.	62.25	363.16	22,606.98
VII	Gravel Bedding	cu.m.	2.25	896.22	2,016.50
VIII	R.C. Column Footing	cu.m.	6.00	5,567.89	33,407.33
IX	Reinforcing Steel for footing	kgs	473.66	63.29	29,976.68
X	R.C. Tie Beam	cu.m.	1.35	5,725.87	7,729.93
XI	Reinforcing Steel for Tie Beam	kgs	427.69	63.78	27,277.37
XII	R.C. Columns	cu.m.	12.82	12,158.90	155,877.07
XIII	Reinforcing Steel for Columns	kgs	2,919.03	68.45	199,802.67
XIV	R.C. Beams	cu.m.	21.28	12,071.34	256,878.15
XV	Reinforcing Steel for Beams	kgs	5,121.71	68.64	351,563.81
XVI	R.C. Suspended Slab	cu.m.	27.91	11,940.25	333,267.34
XVII	Rein. Steel for Suspended Slab	kgs	3,081.19	68.29	210,409.98
XVIII	R.C. Stair	cu.m.	1.86	11,897.83	22,169.62
IX	Rein. Steel for Stair	kgs	631.93	67.32	42,540.36
XX	R.C. Slab on Fill	cu.m.	3.30	5,570.51	18,382.68
XXI	Rein. Steel for Slab on Fill	kgs	99.79	64.55	6,441.20
XXII	R.C. Wall Footing	cu.m.	0.46	5,577.83	2,565.80
XXIII	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXIV	Masonry works	sq.m.	288.44	1,063.85	306,855.71
XXV	Cement Plaster Finish	sq.m.	634.57	161.15	102,259.08
XXVI	Waterproofing	sq.m.	210.00	211.72	44,461.16
XXVII	Paintings (Masonry & S.Slab)	sq.m.	984.88	237.12	233,539.13
XXVIII	Wires and Wiring Devices	ln.m	300.00	45.76	13,728.75
XXIX	Lighting Fixtures	set	15.00	426.56	6,398.44
XXX	Panel Boards & Breaker	set	8.00	1,607.81	12,862.50
XXXI	Conduit, Boxes and Fittings	ln.m	150.00	101.04	15,156.52
XXXII	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXIII	Steel Casement Windows	sq.m.	26.64	4,156.25	110,722.50

XXXIV	Blackboard	set	2.00	8,126.56	16,253.13
XXXV	Steel Door	Lot	1.00	38,220.00	38,220.00
XXXVI	Tiling Works	sq.m.	60.72	996.48	60,506.04
XXXVII	Aluminum Works	sq.m.	9.60	4,921.88	47,250.00
XXXVIII	Septik Tank	Lot	1.00	42,331.58	42,331.58
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					2,982,746.30
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			-
		E. Total Estimated Cost			2,982,746.30
		Say			
		F. Duration of Works			90 C.D

PREPARED BY:


GIEZEL ANN C. NALOG
Engineer I

CHECKED BY:


CLIFFORD C. ESCOBAR
Engineer III

RECOMMENDING APPROVAL:


FRANCISCO V. LINGAN Jr.
Head, Infra Projects

APPROVED BY:


ATTY. JEFFERSON P. SORIANO
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 3 CLASSROOM , 2ND FLOOR

LOCATION : BAGAY ELEMENTARY ,TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing down	All	1.00	15,750.00	15,750.00
III	Project Signages	Lot	1.00	5,000.00	5,000.00
IV	Excavation	cu.m.	25.17	509.64	12,827.73
V	Soil Treatment	sq.m.	12.00	208.75	2,504.96
VI	Backfilling	cu.m.	28.74	365.20	10,497.30
VII	Gravel Bedding	cu.m.	1.95	896.22	1,747.64
VIII	R.C. Column Footing	cu.m.	6.00	5,567.89	33,407.33
IX	Reinforcing Steel for footing	kgs	473.66	63.48	30,068.56
X	R.C. Tie Beam	cu.m.	13.32	5,539.71	73,788.90
XI	Reinforcing Steel for Tie Beam	kgs	380.84	63.43	24,156.02
XII	R.C. Columns	cu.m.	9.87	12,180.78	120,224.28
XIII	Reinforcing Steel for Columns	kgs	3,356.68	68.54	230,057.44
XIV	R.C. Beams	cu.m.	30.48	12,085.68	368,371.57
XV	Reinforcing Steel for Beams	kgs	7,018.48	68.57	481,271.23
XVI	R.C. Suspended Slab	cu.m.	13.35	11,991.74	160,089.76
XVII	Rein. Steel for Suspended Slab	kgs	3,081.19	68.59	211,341.78
XVIII	R.C. Stair	cu.m.	1.86	11,897.83	22,169.62
XIX	Rein. Steel for Stair	kgs	631.93	67.46	42,632.24
XX	R.C. Slab on Fill	cu.m.	2.50	5,607.74	14,019.34
XXI	Rein. Steel for Slab on Fill	kgs	85.01	64.87	5,514.17
XXII	R.C. Wall Footing	cu.m.	0.46	5,577.83	2,565.80
XXIII	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXIV	Masonry works	sq.m.	434.68	1,039.61	451,896.26
XXV	Cement Plaster Finish	sq.m.	956.30	161.24	154,191.17
XXVI	Steel Works	kgs	2,665.71	90.32	240,772.29
XXVII	Roofing Works	sq.m.	189.00	1,006.48	190,224.05
XXVIII	Ceiling Works	sq.m.	147.00	965.42	141,916.76
XXIX	Waterproofing	sq.m.	75.00	219.84	16,488.36
XXX	Paintings (Masonry & S.Slab)	sq.m.	1,144.40	235.10	269,047.86
XXXI	Paintings (Ceiling Works)	sq.m.	189.00	216.31	40,882.00
XXXII	Wires and Wiring Devices	ln.m	450.00	45.42	20,439.56
XXXIII	Lighting Fixtures	set	23.00	426.56	9,810.94
XXXIV	Panel Boards & Breaker	set	12.00	1,554.00	18,648.00
XXXV	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXXVI	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXVII	Steel Casement Windows	sq.m.	39.24	4,156.25	163,091.25

XXXVIII	Blackboard	set	3.00	8,192.19	24,576.56
XXXIX	Steel Door	set	1.00	53,576.25	53,576.25
XXXX	Tiling Works	sq.m.	60.72	996.48	60,506.04
XXXXI	Aluminum Works	sq.m.	9.60	4,921.88	47,250.00
XXXXI	Septik tank	lot	1.00	42,331.58	42,331.58
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					4,008,749.98
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS		D. Furniture			-
RENTAL OF EQUIPMENT		E. Total Estimated Cost			4,008,749.98
		Say			
		F. Duration of Works			135 C.D

PREPARED BY:

GIEZEL ANN C. NALOG
Engineer I

CHECKED BY:

CLIFFORD C. ESCOBAR
Engineer III

RECOMMENDING APPROVAL:

FRANCISCO V. LINGAN Jr.
Head, Infra Projects

APPROVED BY:

ATTY. JEFFERSON P. SORIANO
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

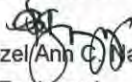
PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 4 CLASSROOMS, 2ND FLOOR
LOCATION : PALLUA ELEMENTARY SCHOOL, TUGUEGARAO CITY
SOURCE OF FUND :

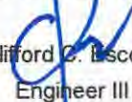
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	all	1.00	5,000.00	5,000.00
II	Final Clearing down	all	1.00	21,000.00	21,000.00
III	R.C. Columns	cu.m.	14.72	12,177.65	179,255.00
IV	Reinforcing Steel for Columns	kgs	3,566.00	68.47	244,180.62
V	R.C. Beams	cu.m.	21.96	12,045.89	264,527.72
VI	Reinforcing Steel for Beams	kgs	6,352.20	68.62	435,877.56
VII	R.C. Suspended Slab	cu.m.	9.17	11,921.15	109,316.98
VIII	Reinforcing Steel for Slabs	kgs	2,198.10	68.57	150,732.26
IX	R.C. Stair	cu.m.	2.05	11,877.98	24,345.90
X	Reinforcing Steel for Stair	kgs	631.93	67.32	42,540.36
XI	Masonry Works	sq.m.	340.16	1,054.49	358,696.16
XII	Cement Plaster Finish	sq.m.	680.32	161.20	109,666.46
XIII	Steel Works	kgs	3,847.65	90.17	346,943.83
XIV	Roofing Works	sq.m.	224.00	1,040.02	232,964.20
XV	Ceiling Works	sq.m.	323.40	964.80	312,015.87
XVI	Waterproofing	sq.m.	88.20	220.98	19,490.06
XVII	Painting (Walls)	sq.m.	680.32	231.66	157,604.33
XVIII	Painting (Ceiling)	sq.m.	323.40	219.02	70,831.56
XIX	Wires and Wiring Devices	ln.m	600.00	45.50	27,300.00
XX	Lighting Fixtures	set	24.00	426.56	10,237.50
XXI	Panel Board and Breaker	set	18.00	1,618.75	29,137.50
XXII	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXIII	Steel Casement Windows	sq.m.	50.40	4,156.25	209,475.00
XXIV	Blackboard	set	4.00	8,192.19	32,768.75
XXV	Steel Doors	set	1.00	61,425.00	61,425.00
XXVI	Project Signages	all	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL				A. DIRECT COST (SUB TOTAL)	3,477,064.15
LABOR				B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS				C. OCM	
HANDTOOLS					
RENTAL OF EQUIPMENT				D. Furniture	-
				E. Total Estimated Cost	3,477,064.15
				F. Duration of Works	180 C.D


PREPARED BY:


Giezel Ann C. Nalog
Engineer I

CHECKED BY:


Clifford C. Escobar
Engineer III

RECOMMENDING APPROVAL:


Francisco V. Lingan Jr.
Head, Infra Projects

APPROVED BY:


Atty. Jefferson P. Soriano
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

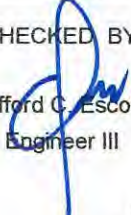
NAME OF PROJECT : CONSTRUCTION OF 1 CLASSROOM, 2ND FLOOR
LOCATION : CATAGGAMAN ELEMENTARY SCHOOL, TUGUEGARAO CITY
SOURCE OF FUND :
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Excavation	cu.m.	8.00	509.64	4,077.15
III	Final Clearing down	all	1.00	5,250.00	5,250.00
IV	Soil Treatment	sq.m.	4.00	227.42	909.68
V	Backfilling	cu.m.	7.20	363.16	2,614.78
VI	Gravel Bedding	cu.m.	0.20	896.22	179.24
VII	R.C. Column Footing	cu.m.	2.00	5,511.01	11,022.03
VIII	Reinforcing Steel for footing	kgs	177.62	63.22	11,229.77
IX	R.C. Columns	cu.m.	7.90	12,130.86	95,833.79
X	Reinforcing Steel for Columns	kgs	2,522.68	68.12	171,856.03
XI	R.C. Beams	cu.m.	7.40	12,171.17	90,066.66
XII	Reinforcing Steel for Beams	kgs	1,975.96	68.33	135,016.25
XIII	R.C. Suspended Slab	cu.m.	4.60	11,990.06	55,154.26
XIV	Reinforcing Steel for Slabs	kgs	1,103.01	68.11	75,126.01
XV	R.C. Stair	cu.m.	2.05	11,877.98	24,345.90
XVI	Reinforcing Steel for Stair	kgs	668.92	67.44	45,111.58
XVII	Masonry works	sq.m.	149.00	1,034.11	154,082.02
XVIII	Cement Plaster Finish	sq.m.	298.00	161.33	48,076.76
XIX	Steel Works	kgs	763.22	89.84	68,568.90
XX	Metal Roofing	sq.m.	61.60	1,044.03	64,312.35
XXI	Ceiling Works	sq.m.	61.60	963.47	59,349.73
XXII	Water Proofing	sq.m.	40.70	231.43	9,419.31
XXIII	Painting (Walls)	sq.m.	327.80	216.99	71,130.38
XXIV	Painting (Ceiling)	sq.m.	61.60	230.74	14,213.60
XXV	Wires and Wiring Devices	ln.m	150.00	43.58	6,536.25
XXVI	Lighting Fixtures	set	6.00	426.56	2,559.38
XXVII	Panel Board and Breaker	set	8.00	1,607.81	12,862.50
XXVIII	Conduit, Boxes and Fittings	ln.m	38.00	110.58	4,201.90
XXIX	Windows	sq.m.	12.60	4,156.25	52,368.75
XXX	Blackboard	set	1.00	8,192.19	8,192.19
XXXI	Steel Doors	lot	1.00	15,356.25	15,356.25
XXXII	Project Signages	lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL				A. DIRECT COST (SUB TOTAL)	1,329,023.39
LABOR				B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS				C. OCM	
HANDTOOLS					
RENTAL OF EQUIPMENT				D. Furniture	-
				E. Total Estimated Cost	1,329,023.39
				F. Duration of Works	45 C.D

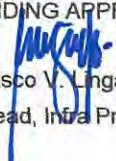
PREPARED BY:


Giezel Ann C. Nalog
Engineer I

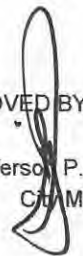
CHECKED BY:


Clifford C. Escobar
Engineer III

RECOMMENDING APPROVAL:


Francisco V. Langan Jr.
Head, Infra Projects

APPROVED BY:


Atty. Jefferson P. Soriano
Cty Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 2 CLASSROOMS , 2ND FLOOR

LOCATION : CATAGGAMAN NUEVO ELEMENTARY SCHOOL ,TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing down	All	1.00	10,500.00	10,500.00
III	Excavation	cu.m.	0.37	509.64	187.29
IV	R.C. Columns	cu.m.	4.68	12,151.25	56,867.85
V	Reinforcing Steel for Columns	kgs	1,729.96	68.36	118,258.99
VI	R.C. Beams	cu.m.	14.70	12,095.89	177,858.03
VII	Reinforcing Steel for Beams	kgs	3,297.50	68.53	225,983.94
VIII	R.C. Suspended Slab	cu.m.	4.00	11,962.13	47,848.50
IX	Rein. Steel for Suspended Slab	kgs	3,081.19	68.83	212,086.53
X	Masonry works	sq.m.	207.28	1,039.78	215,526.42
XI	Cement Plaster Finish	sq.m.	414.56	161.53	66,965.61
XII	Steel Works	kgs	1,535.03	90.70	139,221.34
XIII	Roofing Works	sq.m.	112.00	1,020.06	114,246.89
XIV	Ceiling Works	sq.m.	112.00	927.76	103,908.62
XV	Waterproofing	sq.m.	45.60	228.71	10,429.17
XVI	Paintings (Masonry & S.Slab)	sq.m.	460.16	233.15	107,288.47
XVII	Paintings (Ceiling Works)	sq.m.	112.00	221.47	24,804.84
XVIII	Wires and Wiring Devices	ln.m	300.00	45.33	13,597.50
IX	Lighting Fixtures	set	12.00	426.56	5,118.75
XX	Panel Boards & Breaker	set	8.00	1,607.81	12,862.50
XXI	Conduit, Boxes and Fittings	ln.m	150.00	74.79	11,219.02
XXII	Steel Casement Windows	sq.m.	25.20	4,156.25	104,737.50
XXIII	Blackboard	set	2.00	8,192.19	16,384.38
XXIV	Steel Door	set	1.00	30,712.50	30,712.50
XXV	Project Signages	Lot	1.00	5,000.00	5,000.00

BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL		A. DIRECT COST (SUB TOTAL)	1,836,614.65
LABOR	B. Eng'g & Adm. Overhead/Eng'g Supervision		
MATERIALS	C. OCM		
HANDTOOLS			
RENTAL OF EQUIPMENT	D. Furniture		-
	E. Total Estimated Cost		1,836,614.65
	Say		
	F. Duration of Works		90 C.D

PREPARED BY:

GIEZEL ANN C. NALOG
Engineer I

CHECKED BY:

CLIFFORD C. ESCOBAR
Engineer III

RECOMMENDING APPROVAL:

FRANCISCO M. LINGAN Jr.
Head, Infra Projects

APPROVED BY:

ATTY. JEFFERSON P. SORIANO
City Mayor

B-5

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 4 CLASSROOM - 2 STOREY SCHOOL BUILDING

LOCATION : UGAC ELEMENTARY SCHOOL, UGAC SUR ,TUGUEGARAO CITY


SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing down	All	1.00	21,000.00	21,000.00
III	Demolition Works	lot	1.00	40,000.00	40,000.00
IV	Project Signages	Lot	1.00	5,000.00	5,000.00
V	Excavation	cu.m.	152.82	509.64	77,883.76
VI	Soil Treatment	sq.m.	64.00	214.90	13,753.53
VII	Backfilling	cu.m.	161.95	395.98	64,128.44
VIII	Gravel Bedding	cu.m.	12.55	981.54	12,318.28
IX	R.C. Column Footing	cu.m.	35.20	5,532.34	194,738.43
X	Reinforcing Steel for footing	kgs	2,309.11	63.34	146,262.54
XI	R.C. Tie Beam	cu.m.	14.65	5,537.38	81,133.67
XII	Reinforcing Steel for Tie Beam	kgs	2,184.77	63.42	138,557.69
XIII	R.C. Columns	cu.m.	26.40	12,089.00	319,149.69
XIV	Reinforcing Steel for Columns	kgs	5,605.17	68.57	384,361.24
XV	R.C. Beams	cu.m.	39.95	12,015.22	480,032.06
XVI	Reinforcing Steel for Beams	kgs	8,882.29	68.73	610,516.26
XVII	R.C. Suspended Slab	cu.m.	51.72	11,905.38	615,781.75
XVIII	Rein. Steel for Suspended Slab	kgs	7,591.48	68.78	522,158.88
XIX	R.C. Stair	cu.m.	2.05	11,847.95	24,240.90
XX	Rein. Steel for Stair	kgs	695.12	67.36	46,821.96
XXI	R.C. Slab on Fill	cu.m.	20.57	5,570.51	114,585.40
XXII	Rein. Steel for Slab on Fill	kgs	580.61	65.87	38,244.79
XXIII	R.C. Wall Footing	cu.m.	0.44	4,970.87	2,187.18
XXIV	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXV	Masonry works	sq.m.	903.54	1,001.34	904,753.50
XXVI	Cement Plaster Finish	sq.m.	1,987.79	161.11	320,250.59
XXVII	Waterproofing	sq.m.	215.70	224.87	48,504.65
XXVIII	Paintings (Masonry & S.Slab)	sq.m.	2,240.58	234.14	524,616.17
XXIX	Wires and Wiring Devices	ln.m	600.00	43.58	26,145.00
XXX	Lighting Fixtures	set	24.00	426.56	10,237.50
XXXI	Panel Boards & Breaker	set	16.00	1,607.81	25,725.00
XXXII	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXXIII	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXIV	Steel Casement Windows	sq.m.	51.84	4,156.25	215,460.00
XXXV	Blackboard	set	4.00	8,126.56	32,506.25
XXXVI	Steel Door	Lot	1.00	68,932.50	68,932.50
XXXVII	Tiling Works	sq.m.	55.20	996.48	55,005.49
XXXVIII	Stairs Railings	ln.m	6.00	1,982.09	11,892.51
XXXIX	Ramp Railings	ln.m	7.70	4,312.75	33,208.18
XXXX	Aluminum Works	ln.m	9.60	4,921.88	47,250.00

XXXXI	Septik Tank	Lot	1.00	42,331.58	42,331.58
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL		A. DIRECT COST (SUB TOTAL)		6,514,770.71	
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS		D. Furniture		-	
RENTAL OF EQUIPMENT		E. Total Estimated Cost		6,514,770.71	
		Say			
		F. Duration of Works		150 C.D	

PREPARED BY:


GIEZEL A. NALOG
Engineer I


CHECKED BY:


CLIFFORD C. ESCOBAR
Engineer II

RECOMMENDING APPROVAL:


FRANCISCO Y. LINGAN Jr.
Head, Infra Projects

APPROVED BY:


ATTY. JEFFERSON P. SORIANO
City Mayor

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 2 CLASSROOMS , 2ND FLOOR
LOCATION : ATULAYAN ELEMENTARY SCHOOL ,TUGUEGARAO CITY
SOURCE OF FUND :
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	all	1.00	5,000.00	5,000.00
II	Final Clearing down	all	1.00	10,500.00	10,500.00
III	Excavation	cu.m.	0.37	509.64	187.29
IV	R.C. Columns	cu.m.	4.68	12,151.25	56,867.85
V	Reinforcing Steel for Columns	kgs	1,729.96	68.36	118,258.99
VI	R.C. Beams	cu.m.	14.70	12,095.89	177,858.03
VII	Reinforcing Steel for Beams	kgs	3,297.50	68.53	225,983.94
VIII	R.C. Suspended Slab	cu.m.	4.00	11,962.13	47,848.50
IX	Rein. Steel for Suspended Slab	kgs	3,081.19	68.83	212,086.53
X	R.C. Stair	cu.m.	1.86	11,897.83	22,169.62
XI	Rein. Steel for Stair	kgs	631.93	67.32	42,540.36
XII	Masonry works	sq.m.	207.28	1,039.78	215,526.42
XIII	Cement Plaster Finish	sq.m.	414.56	161.53	66,965.61
XIV	Steel Works	kgs	1,535.03	90.70	139,221.34
XV	Roofing Works	sq.m.	112.00	1,020.06	114,246.89
XVI	Ceiling Works	sq.m.	112.00	927.76	103,908.62
XVII	Waterproofing	sq.m.	45.60	228.71	10,429.17
XVIII	Paintings (Masonry & S.Slab)	sq.m.	460.16	233.15	107,288.47
IX	Paintings (Ceiling Works)	sq.m.	112.00	221.47	24,804.84
XX	Wires and Wiring Devices	ln.m	300.00	45.33	13,597.50
XXI	Lighting Fixtures	set	12.00	426.56	5,118.75
XXII	Panel Boards & Breaker	set	8.00	1,607.81	12,862.50
XXIII	Conduit, Boxes and Fittings	ln.m	150.00	74.79	11,219.02
XXIV	Steel Casement Windows	sq.m.	25.20	4,156.25	104,737.50
XXV	Blackboard	set	2.00	8,192.19	16,384.38
XXVI	Steel Door	set	1.00	30,712.50	30,712.50
XXVII	Project Signages	Lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					1,901,324.63
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			
		E. Total Estimated Cost			1,901,324.63
		Say			
		F. Duration of Works			90 C.D

PREPARED BY:
[Signature]
GIEZEL ANN O NALOG
Engineer I

CHECKED BY:
[Signature]
CLIFFORD C.ESCOBAR
Engineer II

RECOMMENDING APPROVAL:
[Signature]
FRANCISCO M LINGAN Jr.
Head, Infra Projects

APPROVED BY:
[Signature]
ATTY. JEFFERSON P. SORIANO
City Mayor

C-2

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 6 CLASSROOMS , 2 STOREY SCHOOL BUILDING

LOCATION : ANNAFUNAN EAST ELEMENTARY SCHOOL , ANNAFUNAN EAST, TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Demolition Works	all	1.00	60,000.00	60,000.00
III	Final Clearing down	all	1.00	31,500.00	31,500.00
IV	Project Signages	Lot	1.00	5,000.00	5,000.00
V	Excavation	cu.m.	178.44	509.64	90,940.83
VI	Soil Treatment	sq.m.	84.00	194.68	16,353.46
VII	Backfilling	cu.m.	218.70	363.16	79,424.03
VIII	Gravel Bedding	cu.m.	17.70	896.22	15,863.16
IX	R.C. Column Footing	cu.m.	42.00	5,535.39	232,486.32
X	Reinforcing Steel for footing	kgs	3,019.61	63.31	191,181.75
XI	R.C. Tie Beam	cu.m.	13.32	5,539.71	73,788.90
XII	Reinforcing Steel for Tie Beam	kgs	3,219.97	63.42	204,204.73
XIII	R.C. Columns	cu.m.	31.50	11,653.27	367,077.99
XIV	Reinforcing Steel for Columns	kgs	7,111.69	68.58	487,734.61
XV	R.C. Beams	cu.m.	54.00	11,884.85	641,781.93
XVI	Reinforcing Steel for Beams	kgs	12,951.47	68.52	887,396.84
XVII	R.C. Suspended Slab	cu.m.	73.59	11,364.71	836,371.55
XVIII	Rein. Steel for Suspended Slab	kgs	3,081.19	68.77	211,886.42
XIX	R.C. Stair	cu.m.	1.86	11,009.99	20,478.58
XX	Rein. Steel for Stair	kgs	631.93	67.32	42,540.36
XXI	R.C. Wall Footing	cu.m.	0.40	5,380.84	2,152.34
XXII	Rein. Steel for Wall Footing	kgs	23.44	65.68	1,539.61
XXIII	R.C. Slab on Fill	cu.m.	27.00	5,564.77	150,248.67
XXIV	Rein. Steel for Slab on Fill	kgs	753.98	66.20	49,913.24
XXV	Masonry works	sq.m.	853.72	1,038.86	886,893.17
XXVI	Cement Plaster Finish	sq.m.	1,707.44	162.01	276,624.93
XXVII	Steel Works	kgs	2,265.56	89.49	202,738.35
XXVIII	Waterproofing	sq.m.	372.00	207.35	77,136.01
XXIX	Paintings (Masonry & S.Slab)	sq.m.	2,317.44	233.71	541,616.02
XXX	Wires and Wiring Devices	ln.m	900.00	45.42	40,879.13
XXXI	Lighting Fixtures	set	46.00	426.56	19,621.88
XXXII	Panel Boards & Breaker	set	20.00	4,908.75	98,175.00
XXXIII	Conduit, Boxes and Fittings	ln.m	300.00	74.79	22,438.04
XXXIV	Plumbing Works	set	1.00	166,367.91	166,367.91
XXXV	Steel Casement Windows	Sq.m	77.04	4,156.25	320,197.50
XXXVI	Blackboard	set	6.00	8,192.19	49,153.13
XXXVII	Steel Door	Lot	1.00	99,645.00	99,645.00
XXXVIII	Tiling Works	sq.m.	82.80	996.48	82,508.23
XXXIX	Stair Railing	ln.m	18.00	1,188.02	21,384.41
XL	Ramp Railings	ln.m	7.70	4,312.75	33,208.18
XLI	Aluminum Works	sq.m.	9.60	4,921.88	47,250.00

XLII	Septik Tank	Lot	1.00	42,331.58	42,331.58
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					7,733,033.78
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			-
		E. Total Estimated Cost			7,733,033.78
		F. Duration of Works			270 C.D

PREPARED BY:

 GIEZEL ANNA DALOG
 Engineer

CHECKED BY:

 CLIFFORD C. ESCOBAR
 Engineer III

RECOMMENDING APPROVAL:

 FRANCISCO V. LINGAN Jr.
 Head, Infra Projects

APPROVED BY:

 ATTY. JEFFERSON P. SORIANO
 City Mayor

C-3

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

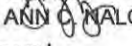
PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 2 CLASSROOMS , 2ND FLOOR
LOCATION : CARIG ELEMENTARY SCHOOL ,TUGUEGARAO CITY
SOURCE OF FUND :
DATE:

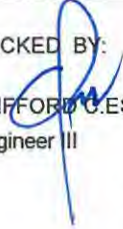
ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Excavation	cu.m.	25.26	509.64	12,873.60
III	Final Clearing down	All	1.00	10,500.00	10,500.00
IV	Soil Treatment	sq.m.	12.00	202.81	2,433.73
V	Backfilling	cu.m.	27.99	363.16	10,166.33
VI	Gravel Bedding	cu.m.	1.80	896.22	1,613.20
VII	R.C. Column Footing	cu.m.	6.00	5,567.89	33,407.33
VIII	Reinforcing Steel for footing	kgs	521.03	63.23	32,946.79
IX	R.C. Tie Beam	cu.m.	1.30	5,589.76	7,266.69
X	Reinforcing Steel for Tie Beam	kgs	418.92	63.36	26,544.06
XI	R.C. Columns	cu.m.	7.23	12,174.90	88,024.50
XII	Reinforcing Steel for Columns	kgs	2,649.36	68.42	181,266.57
XIII	R.C. Beams	cu.m.	18.40	12,409.63	228,386.75
XIV	Reinforcing Steel for Beams	kgs	4,583.32	68.17	312,444.96
XV	R.C. Suspended Slab	cu.m.	9.00	11,955.56	107,600.06
XVI	Rein. Steel for Suspended Slab	kgs	1,839.82	68.53	126,074.81
XVII	R.C. Stair	cu.m.	1.86	11,897.83	22,169.62
XVIII	Rein. Steel for Stair	kgs	631.93	67.46	42,632.24
XIX	R.C. Slab On fill	cu.m.	3.00	5,653.24	16,959.71
XX	Rein. Steel for Slab On fill	kgs	92.40	65.69	6,069.56
XXI	R.C. Wall Footing	cu.m.	0.46	5,577.83	2,565.80
XXII	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXIII	Masonry works	sq.m.	340.52	1,031.59	351,276.76
XXIV	Cement Plaster Finish	sq.m.	749.14	161.14	120,714.64
XXV	Steel Works	kgs	1,853.80	90.20	167,218.23
XXVI	Roofing Works	sq.m.	136.00	1,006.83	136,928.37
XXVII	Ceiling Works	sq.m.	136.00	966.52	131,446.09
XXVIII	Waterproofing	sq.m.	63.00	170.68	10,752.72
XXIX	Paintings (Masonry & S.Slab)	sq.m.	841.54	232.23	195,430.13
XXX	Paintings (Ceiling Works)	sq.m.	149.60	232.31	34,753.12
XXXI	Wires and Wiring Devices	ln.m	300.00	43.58	13,072.50
XXXII	Lighting Fixtures	set	12.00	426.56	5,118.75
XXXIII	Panel Boards & Breaker	set	8.00	1,607.81	12,862.50
XXXIV	Conduit, Boxes and Fittings	ln.m	150.00	74.79	11,219.02
XXXV	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXVI	Tiling Works	sq.m.	60.72	996.48	60,506.04
XXXVII	Steel Casement Windows	sq.m.	26.64	4,156.25	110,722.50

XXXVIII	Blackboard	set	2.00	8,192.19	16,384.38
XXXIX	Steel Door	set	1.00	38,220.00	38,220.00
XXXX	Aluminum Works	sq.m.	9.60	4,921.88	47,250.00
XXXI	Septik Tank	Lot	1.00	42,331.58	42,331.58
XXXII	Project Signages	Lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					2,961,517.52
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			-
				E. Total Estimated Cost	2,961,517.52
				Say	
				F. Duration of Works	90 C.D

PREPARED BY:


GIEZEL ANN C. NALOG
Engineer I


CHECKED BY:


CLIFFORD C. ESCOBAR
Engineer II

RECOMMENDING APPROVAL:


FRANCISCO V. LINGAN Jr.
Head, Infra Projects

APPROVED BY:


ATTY. JEFFERSON P. SORIANO
City Mayor

C-4

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 4 CLASSROOM - 2 STOREY SCHOOL BUILDING

LOCATION : NORTHEAST CENTRAL SCHOOL, TANZA-CAGGAY, TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

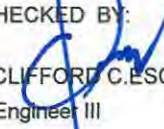
ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing down	All	1.00	21,000.00	21,000.00
III	Project Signages	Lot	1.00	5,000.00	5,000.00
IV	Excavation	cu.m.	152.82	509.64	77,883.76
V	Soil Treatment	sq.m.	64.00	214.90	13,753.53
VI	Backfilling	cu.m.	161.95	395.98	64,128.44
VII	Gravel Bedding	cu.m.	12.55	981.54	12,318.28
VIII	R.C. Column Footing	cu.m.	35.20	5,532.34	194,738.43
IX	Reinforcing Steel for footing	kgs	2,309.11	63.34	146,262.54
X	R.C. Tie Beam	cu.m.	14.65	5,537.38	81,133.67
XI	Reinforcing Steel for Tie Beam	kgs	2,184.77	63.42	138,557.69
XII	R.C. Columns	cu.m.	26.40	12,089.00	319,149.69
XIII	Reinforcing Steel for Columns	kgs	5,605.17	68.57	384,361.24
XIV	R.C. Beams	cu.m.	39.95	12,015.22	480,032.06
XV	Reinforcing Steel for Beams	kgs	8,882.29	68.73	610,516.26
XVI	R.C. Suspended Slab	cu.m.	51.72	11,905.38	615,781.75
XVII	Rein. Steel for Suspended Slab	kgs	7,591.48	68.78	522,158.88
XVIII	R.C. Stair	cu.m.	2.05	11,847.95	24,240.90
XIX	Rein. Steel for Stair	kgs	695.12	67.36	46,821.96
XX	R.C. Slab on Fill	cu.m.	20.57	5,570.51	114,585.40
XXI	Rein. Steel for Slab on Fill	kgs	580.61	65.87	38,244.79
XXII	R.C. Wall Footing	cu.m.	0.44	4,970.87	2,187.18
XXIII	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXIV	Masonry works	sq.m.	903.54	1,001.34	904,753.50
XXV	Cement Plaster Finish	sq.m.	1,987.79	161.11	320,250.59
XXVI	Waterproofing	sq.m.	215.70	224.87	48,504.65
XXVII	Paintings (Masonry & S.Slab)	sq.m.	2,240.58	234.14	524,616.17
XXVIII	Wires and Wiring Devices	ln.m	600.00	43.58	26,145.00
XXIX	Lighting Fixtures	set	24.00	426.56	10,237.50
XXX	Panel Boards & Breaker	set	16.00	1,607.81	25,725.00
XXXI	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXXII	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXIII	Steel Casement Windows	sq.m.	51.84	4,156.25	215,460.00
XXXIV	Blackboard	set	4.00	8,126.56	32,506.25
XXXV	Steel Door	Lot	1.00	68,932.50	68,932.50
XXXVI	Tiling Works	sq.m.	55.20	996.48	55,005.49
XXXVII	Stairs Railings	ln.m	6.00	1,982.09	11,892.51
XXXVIII	Ramp Railings	ln.m	7.70	4,312.75	33,208.18

XXXIX	Aluminum Works	In.m	9.60	4,921.88	47,250.00
XXXX	Septik Tank	Lot	1.00	42,331.58	42,331.58

BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL		A. DIRECT COST (SUB TOTAL)	6,474,770.71
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS		C. OCM	
HANDTOOLS			
RENTAL OF EQUIPMENT		D. Furniture	-
		E. Total Estimated Cost	6,474,770.71
		Say	
		F. Duration of Works	180 C.D


PREPARED BY:

 GIEZEL ANN O'NALOG
 Engineer I

CHECKED BY:

 CLIFFORD C. ESCOBAR
 Engineer III

RECOMMENDING APPROVAL:

 FRANCISCO V. LINGAN Jr.
 Head, Infra Projects

APPROVED BY:

 ATTY. JEFFERSON P. SORIANO
 City Mayor

C-5

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO


OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

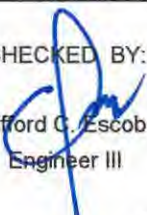
NAME OF PROJECT : CONSTRUCTION OF 1 CLASSROOM, 2ND FLOOR
LOCATION : LINAO ELEMENTARY SCHOOL, TUGUEGARAO CITY
SOURCE OF FUND :
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing down	all	1.00	5,250.00	5,250.00
III	R.C. Columns	cu.m.	5.12	12,161.15	62,265.11
IV	Reinforcing Steel for Columns	kgs	1,871.90	68.26	127,773.82
V	R.C. Beams	cu.m.	5.40	12,033.29	64,979.74
VI	Reinforcing Steel for Beams	kgs	1,478.64	68.02	100,579.36
VII	R.C. Suspended Slab	cu.m.	4.60	11,970.08	55,062.38
VIII	Reinforcing Steel for Slabs	kgs	1,103.01	68.11	75,126.01
IX	Masonry works	sq.m.	149.00	1,034.11	154,082.02
X	Cement Plaster Finish	sq.m.	298.00	161.33	48,076.76
XI	Steel Works	kgs	763.22	89.84	68,568.90
XII	Metal Roofing	sq.m.	61.60	1,044.03	64,312.35
XIII	Ceiling Works	sq.m.	61.60	963.47	59,349.73
XIV	Water Proofing	sq.m.	40.70	231.43	9,419.31
XV	Painting (Walls)	sq.m.	327.80	216.99	71,130.38
XVI	Painting (Ceiling)	sq.m.	61.60	230.74	14,213.60
XVII	Wires and Wiring Devices	ln.m	150.00	43.58	6,536.25
XVIII	Lighting Fixtures	set	6.00	426.56	2,559.38
XIX	Panel Board and Breaker	set	8.00	1,607.81	12,862.50
XX	Conduit, Boxes and Fittings	ln.m	38.00	110.58	4,201.90
XXI	Windows	sq.m.	12.60	4,156.25	52,368.75
XXII	Blackboard	set	1.00	8,192.19	8,192.19
XXIII	Steel Doors	lot	1.00	15,356.25	15,356.25
XXIV	Project Signages	lot	1.00	5,000.00	5,000.00
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL				A. DIRECT COST (SUB TOTAL)	1,092,266.69
LABOR				B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS				C. OCM	
HANDTOOLS					
RENTAL OF EQUIPMENT				D. Furniture	-
				E. Total Estimated Cost	1,092,266.69
				F. Duration of Works	45 C.D

PREPARED BY:


Giezel Ann C. Nalog
Engineer I


CHECKED BY:


Clifford C. Escobar
Engineer III

RECOMMENDING APPROVAL:


Francisco V. Langan Jr.
Head, Infra Projects

APPROVED BY:


Atty. Jefferson P. Soriano
City Mayor

C-4

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 4 CLASSROOM - 2 STOREY SCHOOL BUILDING

LOCATION : PENGUE RUYU ELEMENTARY SCHOOL, PENGUE RUYU TUGUEGARAO CITY

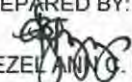
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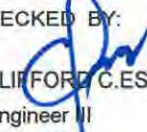
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ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Demolition works	All	1.00	60,000.00	60,000.00
III	Final Clearing down	All	1.00	21,000.00	21,000.00
IV	Soil Boring Test	Holes	2.00	30,000.00	60,000.00
V	Project Signages	Lot	1.00	5,000.00	5,000.00
VI	Excavation	cu.m.	117.04	509.64	59,648.70
VII	Soil Treatment	sq.m.	60.00	208.75	12,524.79
VIII	Backfilling	cu.m.	157.91	363.16	57,347.27
IX	Gravel Bedding	cu.m.	11.00	896.22	9,858.46
X	R.C. Column Footing	cu.m.	30.80	5,519.88	170,012.22
XI	Reinforcing Steel for footing	kgs	2,013.07	63.53	127,883.25
XII	R.C. Tie Beam	cu.m.	5.54	5,517.42	30,588.55
XIII	Reinforcing Steel for Tie Beam	kgs	1,543.07	63.78	98,412.02
XIV	R.C. Columns	cu.m.	23.10	11,910.24	275,126.53
XV	Reinforcing Steel for Columns	kgs	4,889.31	68.72	336,008.34
XVI	R.C. Beams	cu.m.	29.79	11,920.94	355,100.99
XVII	Reinforcing Steel for Beams	kgs	6,719.07	68.83	462,489.20
XVIII	R.C. Suspended Slab	cu.m.	38.47	11,891.44	457,470.99
XIX	Rein. Steel for Suspended Slab	kgs	5,782.14	68.62	396,749.07
XX	R.C. Stair	cu.m.	2.05	11,833.15	24,254.02
XXI	Rein. Steel for Stair	kgs	695.12	67.36	46,821.96
XXII	R.C. Slab on Fill	cu.m.	16.94	5,550.37	94,023.20
XXIII	Rein. Steel for Slab on Fill	kgs	577.31	65.89	38,037.86
XXIV	Masonry works	sq.m.	438.90	1,063.92	466,954.97
XXV	Waterproofing	sq.m.	112.00	218.99	24,526.37
XXVI	Cement Plaster Finish	sq.m.	965.58	160.10	154,593.17
XXVII	Paintings (Masonry & S.Slab)	sq.m.	1,190.00	231.33	275,281.93
XXVIII	Wires and Wiring Devices	ln.m	600.00	43.58	26,145.00
XXIX	Lighting Fixtures	set	24.00	426.56	10,237.50
XXX	Panel Boards & Breaker	set	16.00	1,607.81	25,725.00
XXXI	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXXII	Steel Casement Windows	sq.m.	50.40	4,156.25	209,475.00
XXXIII	Blackboard	set	4.00	8,126.56	32,506.25
XXXIV	Steel Door	set	8.00	7,678.13	61,425.00


XXXV	Stair Railing	In.m	6.00	1,982.09	11,892.51
XXXVI	Ramp Railings	In.m	7.70	4,312.75	33,208.18

BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL		A. DIRECT COST (SUB TOTAL)	4,552,059.83
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS		C. OCM	
HANDTOOLS			
RENTAL OF EQUIPMENT		D. Furniture	-
		E. Total Estimated Cost	
		Say	4,552,059.83
		F. Duration of Works	180 C.D

PREPARED BY:

 GIEZEL ANN C. NALOG
 Engineer I

CHECKED BY:

 CLIFFORD C. ESCOBAR
 Engineer II

RECOMMENDING APPROVAL:

 FRANCISCO Y. LINGAN Jr.
 Head, Infra Projects

APPROVED BY:

 ATTY. JEFFERSON P. SORIANO
 City Mayor

D-1

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 4 CLASSROOM - 2 STOREY SCHOOL BUILDING

LOCATION : WEST CENTRAL SCHOOL, UGAC SUR, TUGUEGARAO CITY

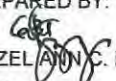
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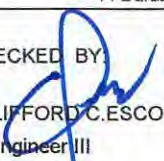
DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Final Clearing Down	All	1.00	21,000.00	21,000.00
III	Demolition Works	All	1.00	40,000.00	40,000.00
IV	Project Signages	Lot	1.00	5,000.00	5,000.00
V	Excavation	cu.m.	152.82	509.64	77,883.76
VI	Soil Treatment	sq.m.	64.00	214.90	13,753.53
VII	Backfilling	cu.m.	161.95	395.98	64,128.44
VIII	Gravel Bedding	cu.m.	12.55	981.54	12,318.28
IX	R.C. Column Footing	cu.m.	35.20	5,532.34	194,738.43
X	Reinforcing Steel for footing	kgs	2,309.11	63.34	146,262.54
XI	R.C. Tie Beam	cu.m.	14.65	5,537.38	81,133.67
XII	Reinforcing Steel for Tie Beam	kgs	2,184.77	63.42	138,557.69
XIII	R.C. Columns	cu.m.	26.40	12,089.00	319,149.69
XIV	Reinforcing Steel for Columns	kgs	5,605.17	68.57	384,361.24
XV	R.C. Beams	cu.m.	39.95	12,015.22	480,032.06
XVI	Reinforcing Steel for Beams	kgs	8,882.29	68.73	610,516.26
XVII	R.C. Suspended Slab	cu.m.	51.72	11,905.38	615,781.75
XVIII	Rein. Steel for Suspended Slab	kgs	7,591.48	68.78	522,158.88
XIX	R.C. Stair	cu.m.	2.05	11,847.95	24,240.90
XX	Rein. Steel for Stair	kgs	695.12	67.36	46,821.96
XXI	R.C. Slab on Fill	cu.m.	20.57	5,570.51	114,585.40
XXII	Rein. Steel for Slab on Fill	kgs	580.61	65.87	38,244.79
XXIII	R.C. Wall Footing	cu.m.	0.44	4,970.87	2,187.18
XXIV	Rein. Steel for Wall Footing	kgs	25.78	65.33	1,684.39
XXV	Masonry works	sq.m.	903.54	1,001.34	904,753.50
XXVI	Cement Plaster Finish	sq.m.	1,987.79	161.11	320,250.59
XXVII	Waterproofing	sq.m.	215.70	224.87	48,504.65
XXVIII	Paintings (Masonry & S.Slab)	sq.m.	2,240.58	234.14	524,616.17
XXIX	Wires and Wiring Devices	ln.m	600.00	43.58	26,145.00
XXX	Lighting Fixtures	set	24.00	426.56	10,237.50
XXXI	Panel Boards & Breaker	set	16.00	1,607.81	25,725.00
XXXII	Conduit, Boxes and Fittings	ln.m	150.00	111.54	16,731.52
XXXIII	Plumbing Works	set	1.00	171,679.46	171,679.46
XXXIV	Steel Casement Windows	sq.m.	51.84	4,156.25	215,460.00
XXXV	Blackboard	set	4.00	8,126.56	32,506.25
XXXVI	Steel Door	Lot	1.00	68,932.50	68,932.50
XXXVII	Tiling Works	sq.m.	55.20	996.48	55,005.49
XXXVIII	Stairs Railings	ln.m	6.00	1,982.09	11,892.51
XXXX	Ramp Railings	ln.m	7.70	4,312.75	33,208.18

XXXXI	Aluminum Works	In.m	9.60	4,921.88	47,250.00
XXXXII	Septik Tank	Lot	1.00	42,331.58	42,331.58


BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL		A. DIRECT COST (SUB TOTAL)	6,514,770.71
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision	
MATERIALS		C. OCM	
HANDTOOLS			
RENTAL OF EQUIPMENT		D. Furniture	-
		E. Total Estimated Cost	6,514,770.71
		Say	
		F. Duration of Works	180 C.D

PREPARED BY:

 GIEZEL ANN C. NALOG
 Engineer I

CHECKED BY:

 CLIFFORD C. ESCOBAR
 Engineer III

RECOMMENDING APPROVAL:

 FRANCISCO V. LINGAN Jr.
 Head, Infra Projects

APPROVED BY:

 ATTY. JEFFERSON P. SORIANO
 City Mayor

D-2

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 6 CLASSROOMS , 2 STOREY SCHOOL BUILDING

LOCATION : NORTH CENTRAL SCHOOL, TUGUEGARAO CITY

SOURCE OF FUND

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Demolition Works	all	1.00	140,000.00	140,000.00
III	Final Clearing Works	all	1.00	60,000.00	60,000.00
IV	Project Signages	Lot	1.00	10,000.00	10,000.00
V	Excavation	cu.m.	178.44	489.26	87,303.20
VI	Soil Treatment	sq.m.	84.00	186.90	15,699.32
VII	Backfilling	cu.m.	218.70	348.64	76,247.07
VIII	Gravel Bedding	cu.m.	17.70	860.37	15,228.64
IX	R.C. Column Footing	cu.m.	42.00	5,313.97	223,186.87
X	Reinforcing Steel for footing	kgs	3,019.61	60.78	183,534.48
XI	R.C. Tie Beam	cu.m.	13.32	5,318.12	70,837.34
XII	Reinforcing Steel for Tie Beam	kgs	3,219.97	60.88	196,036.54
XIII	R.C. Columns	cu.m.	31.60	11,187.14	352,394.87
XIV	Reinforcing Steel for Columns	kgs	7,111.69	65.84	468,225.23
XV	R.C. Beams	cu.m.	54.00	11,409.46	616,110.65
XVI	Reinforcing Steel for Beams	kgs	12,951.47	65.78	851,900.96
XVII	R.C. Suspended Slab	cu.m.	73.59	10,910.12	802,916.69
XVIII	Rein. Steel for Suspended Slab	kgs	3,081.19	66.02	203,410.96
XIX	R.C. Stair	cu.m.	1.86	10,569.59	19,659.44
XX	Rein. Steel for Stair	kgs	631.93	64.63	40,838.75
XXI	R.C. Wall Footing	cu.m.	0.40	5,165.61	2,066.24
XXII	Rein. Steel for Wall Footing	kgs	23.44	63.06	1,478.03
XXIII	R.C. Slab on Fill	cu.m.	27.00	5,342.17	144,238.72
XXIV	Rein. Steel for Slab on Fill	kgs	753.98	63.55	47,916.71
XXV	Masonry works	sq.m.	853.72	997.30	851,417.44
XXVI	Cement Plaster Finish	sq.m.	1,707.44	155.53	265,559.93
XXVII	Steel Works	kgs	2,265.56	85.91	194,628.82
XXVIII	Waterproofing	sq.m.	372.00	199.06	74,050.57
XXIX	Paintings (Masonry & S.Slab)	sq.m.	2,317.44	224.36	519,951.38
XXX	Wires and Wiring Devices	ln.m	900.00	43.60	39,243.96
XXXI	Lighting Fixtures	set	46.00	409.50	18,837.00
XXXII	Panel Boards & Breaker	set	20.00	4,712.40	94,248.00
XXXIII	Conduit, Boxes and Fittings	ln.m	300.00	71.80	21,540.52
XXXIV	Plumbing Works	set	1.00	159,713.19	159,713.19
XXXV	Steel Casement Windows	Sq.m	77.04	3,990.00	307,389.60
XXXVI	Blackboard	set	6.00	7,864.50	47,187.00
XXXVII	Steel Door	Lot	1.00	95,659.20	95,659.20
XXXVIII	Tiling Works	sq.m.	82.80	956.62	79,207.90
XXXIX	Stair Railing	ln.m	18.00	1,140.50	20,529.03
XL	Ramp Railings	ln.m	7.70	4,140.24	31,879.85
XLI	Aluminum Works	sq.m.	9.60	4,725.00	45,360.00

XLII	Septik Tank	Lot	1.00	40,638.32	40,638.32
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					7,541,272.43
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			-
		E. Total Estimated Cost			7,541,272.43
		F. Duration of Works			270 C.D

PREPARED BY:


 GIEZEL ANN C. NALOG
 Engineer I

CHECKED BY:


 CLIFFORD C. ESCOBAR
 Engineer III

RECOMMENDING APPROVAL:


 FRANCISCO V. LINGAN Jr.
 Head, Infra Projects

APPROVED BY:


 ATTY. JEFFERSON P. SORIANO
 City Mayor

0-3
 Republic of the Philippines
 Province of Cagayan
 CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 12 CLASSROOMS , 4 STOREY SCHOOL BUILDING

LOCATION : CAGAYAN NATIONAL HIGH SCHOOL, TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Demolition Works	all	1.00	160,000.00	160,000.00
III	Final Clearing down	all	1.00	80,000.00	80,000.00
IV	Project Signages	Lot	1.00	5,000.00	5,000.00
V	Excavation	cu.m.	242.44	391.41	94,892.57
VI	Soil Treatment	sq.m.	116.00	187.36	21,734.01
VII	Backfilling	cu.m.	264.78	348.64	92,312.29
VIII	Gravel Bedding	cu.m.	19.30	860.37	16,605.24
IX	R.C. Column Footing	cu.m.	58.00	5,307.52	307,836.03
X	Reinforcing Steel for footing	kgs	4,015.87	60.75	243,947.12
XI	R.C. Tie Beam	cu.m.	13.32	5,318.12	70,837.34
XII	Reinforcing Steel for Tie Beam	kgs	3,219.97	60.88	196,036.54
XIII	R.C. Columns	cu.m.	78.60	11,408.82	896,778.82
XIV	Reinforcing Steel for Columns	kgs	16,977.84	65.84	1,117,759.11
XV	R.C. Beams	cu.m.	80.40	11,398.01	916,399.66
XVI	Reinforcing Steel for Beams	kgs	19,095.02	65.96	1,259,563.55
XVII	R.C. Suspended Slab	cu.m.	105.19	11,313.35	1,190,023.30
XVIII	Rein. Steel for Suspended Slab	kgs	3,081.19	65.62	202,182.86
XIX	R.C. Stair	cu.m.	7.44	10,813.00	80,448.74
XX	Rein. Steel for Stair	kgs	2,527.72	64.49	163,002.19
XXI	R.C. Slab on Fill	cu.m.	27.00	5,342.17	144,238.72
XXII	Rein. Steel for Slab on Fill	kgs	753.98	63.55	47,916.71
XXIII	R.C. Wall Footing	cu.m.	0.40	5,069.85	2,027.94
XXIV	Rein. Steel for Wall Footing	kgs	23.44	63.06	1,478.03
XXV	Masonry works	sq.m.	1,707.44	996.68	1,701,764.02
XXVI	Cement Plaster Finish	sq.m.	3,414.88	154.72	528,335.26
XXVII	Steel Works	kgs	2,265.56	85.91	194,628.82
XXVIII	Roofing Works	sq.m.	210.00	964.48	202,541.65
XXIX	Ceiling Works	sq.m.	210.00	929.72	195,242.04
XXX	Waterproofing	sq.m.	114.00	199.11	22,699.01
XXXI	Paintings (Masonry & S. Slab)	sq.m.	4,308.88	219.65	946,439.89
XXXII	Paintings (Ceiling)	sq.m.	210.00	223.19	46,869.47
XXXIII	Electrical Works	Lot	1.00	633,901.28	633,901.28
XXXIV	Plumbing Works	set	1.00	313,079.13	313,079.13
XXXV	Steel Casement Windows	sq.m.	154.08	3,990.00	614,779.20

XXXVI	Blackboard	set	12.00	7,864.50	94,374.00
XXXVII	Steel Door	Lot	1.00	191,318.40	191,318.40
XXXVIII	Tiling Works	sq.m.	82.80	956.62	79,207.90
XXXIX	Stair Railing	Ln.m	54.00	1,070.50	57,807.09
XL	Ramp Railings	Ln.m	7.70	4,140.24	31,879.85
XLI	Aluminum Works	ln.m	36.48	4,725.00	172,368.00
XLII	Septik Tank	Lot	1.00	40,638.32	40,638.32
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL A. DIRECT COST (SUB TOTAL)					13,383,894.10
LABOR		B. Eng'g & Adm. Overhead/Eng'g Supervision			
MATERIALS		C. OCM			
HANDTOOLS					
RENTAL OF EQUIPMENT		D. Furniture			-
		E. Total Estimated Cost			13,383,894.10
		Say			
		F. Duration of Works			540 C.D


PREPARED BY:


GIEZEL ANN C. ANALOG
Engineer I


CHECKED BY:


CLIFFORD C. ESCOBAR
Engineer I

RECOMMENDING APPROVAL:


FRANCISCO V. LEBLANC Jr.
Head, Infra Projects

APPROVED BY:


ATTY. JEFFERSON P. SORIANO
City Mayor

254

Republic of the Philippines
Province of Cagayan
CITY OF TUGUEGARAO

OFFICE OF THE CITY ENGINEER

PROGRAM OF WORK

NAME OF PROJECT : CONSTRUCTION OF 15 CLASSROOM , 3 STOREY SCHOOL BUILDING

LOCATION : TUGUEGARAO EAST CENTRAL SCHOOL, TUGUEGARAO CITY

SOURCE OF FUND :

DATE:

ITEM OF WORK	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF WORK	
				UNIT COST	TOTAL COST
I	Construction Safety and Health	All	1.00	5,000.00	5,000.00
II	Demolition Works	all	1.00	200,000.00	200,000.00
III	Project Signages	Lot	1.00	10,000.00	10,000.00
IV	Final Clearing down	all	1.00	122,475.94	122,475.94
V	Excavation	cu.m.	387.28	489.26	189,477.39
VI	Soil Treatment	sq.m.	188.00	192.35	36,162.57
VII	Backfilling	cu.m.	437.75	348.64	152,617.79
VIII	Gravel Bedding	cu.m.	34.53	860.37	29,706.59
IX	R.C. Column Footing	cu.m.	86.00	5,309.62	456,627.28
X	Reinforcing Steel for footing	kgs	6,715.01	60.72	407,749.83
XI	R.C. Tie Beam	cu.m.	34.65	5,310.90	184,022.69
XII	Reinforcing Steel for Tie Beam	kgs	8,044.83	60.80	489,123.37
XIII	R.C. Columns	cu.m.	105.63	11,692.31	1,235,058.47
XIV	Reinforcing Steel for Columns	kgs	24,898.57	65.77	1,637,517.67
XV	R.C. Beams	cu.m.	123.84	11,604.48	1,437,098.27
XVI	Reinforcing Steel for Beams	kgs	30,567.41	65.73	2,009,235.09
XVII	R.C. Suspended Slab	cu.m.	127.20	11,462.05	1,457,972.21
XVIII	Rein. Steel for Suspended Slab	kgs	3,081.19	65.59	202,103.82
XIX	R.C. Stair	cu.m.	5.59	11,362.20	63,514.72
XX	Rein. Steel for Stair	kgs	1,297.32	64.89	84,183.33
XXI	R.C. Slab on Fill	cu.m.	47.52	5,340.80	253,794.63
XXII	Rein. Steel for Slab on Fill	kgs	1,321.32	62.26	82,261.94
XXIII	R.C. Wall Footing	cu.m.	0.46	5,354.72	2,463.17
XXIV	Rein. Steel for Wall Footing	kgs	26.96	62.57	1,686.50
XXV	Masonry works	sq.m.	1,587.35	1,026.57	1,629,517.03
XXVI	Cement Plaster Finish	sq.m.	3,174.70	154.70	491,135.80
XXVII	Steel Works	kgs	3,997.11	87.23	348,666.05
XXVIII	Roofing Works	sq.m.	343.00	963.21	330,381.23
XXIX	Ceiling Works	sq.m.	343.00	906.62	310,971.50
XXX	Waterproofing	sq.m.	203.00	202.20	41,045.75
XXXI	Paintings (Masonry & S.Slab)	sq.m.	4,327.52	225.28	974,905.58
XXXII	Paintings (Ceiling)	sq.m.	343.00	217.27	74,524.86
XXXIII	Electrical Works	set	1.00	723,399.08	723,399.08
XXXIV	Plumbing Works	set	1.00	408,890.66	408,890.66
XXXV	Steel Casement Windows	sq.m.	191.16	3,990.00	762,728.40
XXXVI	Blackboard	set	15.00	7,864.50	117,967.50
XXXVII	Steel Door	Lot	1.00	231,940.80	231,940.80
XXXVIII	Tiling Works	sq.m.	91.08	956.62	87,128.69

XXXIX	Stairs Railings	In.m	18.00	1,902.80	34,250.43
XXXX	Ramp Railings	In.m	7.70	4,140.24	31,879.85
XXXI	Aluminum Works	In.m	36.48	4,725.00	172,368.00
XXXII	Septik Tank	Lot	1.00	40,638.32	40,638.32
BREAKDOWN OF ESTIMATED EXPENDITURE P(COST) OF TOTAL			A. DIRECT COST (SUB TOTAL)		17,562,192.83
LABOR			B. Eng'g & Adm. Overhead/Eng'g Supervision		
MATERIALS			C. OCM		
HANDTOOLS					
RENTAL OF EQUIPMENT			D. Furniture		-
			E. Total Estimated Cost		17,562,192.83
			Say		
			F. Duration of Works		675 C.D

PREPARED BY:

GIEZEL ANN C. NALOG
Engineer I

CHECKED BY:

CLIFFORD C. ESCOBAR
Engineer II

RECOMMENDING APPROVAL:

FRANCISCO LINGAN Jr.
Head, Infra Projects

APPROVED BY:

ATTY. JEFFERSON P. SORIANO
City Mayor