

BILL OF QUANTITIES

Project Title : PAVEMENT IMPROVEMENT WORKS AT THE AIRFIELD
Location : CIVIL AVIATION COMPLEX Clark Freeport Zone
Project Duration : One Hundred (100) Calendar Days
Name of Bidder : _____
Bid Amount in Words : _____

Item No.	Description	Quantity	Unit	Unit Cost (PhP)	Amount (PhP)
A.	GENERAL REQUIREMENT				
SPL-1	Mobilization and De-mobilization	1	l.s.		
A.1.1	Facilities for Engineers	1	l.s.		
A-2	Temporary Safety Markings, Lightings & Fence (including Work Safety Area closure markings)	1	l.s.		
B.5	Project Sign Board	1	l.s.		
SPL-2	Safety and Health	1	l.s.		
A-3	Surveying works & Field/Laboratory Tests	1	l.s.		
A-4	Access Pass, Permits & other General Requirements	1	l.s.		
				TOTAL-A	
B.	PAVEMENT IMPROVEMENT WORKS AT MAIN RAMP				
B-1	Earthworks				
101(3)b.1	Roto-milling of Existing Asphalt Pavement (ave. of 2-inch thick per pass @ 3 passes)	13,930	sq.m.		
105	Sub-grade Preparation	5630	sq.m.		
				Sub-total B-1	
B-2	Surface Courses				
302	Bituminous Tack Coat, SS-1	11.82	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @ 50mm thk	1280	sq.m		
310	Hot-mixed Asphalt, PG 60/70 @150mm thk	4150	sq.m		
				Sub-total B-2	
B-3	Miscellaneous Works				
B-3.1	Repair of Concrete Pavement Cracks using High Strength Cement Mortar and Epoxy	150	L.M.		
B-3.2	Repair of Asphalt Pavement Cracks	200	sq.m.		

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Item No.	Description	Quantity	Unit	Unit Cost (PhP)	Amount (PhP)
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	800	sq.m.		
				Sub-total B-3	
				TOTAL-B	
C.	PAVEMENT IMPROVEMENT WORKS AT NORTH RAMP				
C-1	Earthworks				
101(3)b.1	Roto-milling of Existing Asphalt Pavement	13,650	sq.m.		
105	Sub-grade Preparation	13,650	sq.m.		
				Sub-total C-1	
C-2	Surface Courses				
302	Bituminous Tack Coat, SS-1	9.56	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @ 50mm thk	13650	sq.m.		
				Sub-total C-2	
C-3	Miscellaneous Works				
C-3.1	Repair of Concrete Pavement Cracks using High Strength Cement Mortar & Epoxy	190	L.M.		
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	1,020	sq.m.		
				Sub-total C-3	
				TOTAL-C	
D.	PAVEMENT IMPROVEMENT WORKS AT TAXIWAY F2				
D-1	Earthworks				
101(3)b.1	Roto-milling of Existing Asphalt Pavement	17,800	sq.m.		
105	Sub-grade Preparation	17,800	sq.m.		
				Sub-total D-1	

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Item No.	Description	Quantity	Unit	Unit Cost (PhP)	Amount (PhP)
D-2	Surface Courses				
302	Bituminous Tack Coat, SS-1	12.46	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @ 50mm thk	17800	sq.m.		
				Sub-total D-2	
D-3	Miscellaneous Works				
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	660	sq.m.		
				Sub-total D-3	
				TOTAL-D	
E.	PAVEMENT IMPROVEMENT WORKS AT TAXIWAY F3				
E-1	Earthworks				
101(3)b.1	Roto-milling of Existing Asphalt Pavement	32,260	sq.m.		
105	Sub-grade Preparation	32,260	sq.m.		
				Sub-total E-1	
E-2	Surface Courses				
302	Bituminous Tack, SS-1	22.58	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @ 50mm thk	32,260	sq.m.		
				Sub-total E-2	
E-3	Miscellaneous Works				
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	330	sq.m.		
				Sub-total E-3	
				TOTAL-E	
F.	PAVEMENT IMPROVEMENT WORKS AT TAXIWAY F5				
F-1	Earthworks				
101(3)b.1	Roto-milling of Existing Asphalt Pavement	11,976	sq.m.		
F-1.2	Removal of Existing Asphalt Pavement	1,842	cu.m.		

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Item No.	Description	Quantity	Unit	Unit Cost (PhP)	Amount (PhP)
102	Excavation works	6,229	cu.m.		
105	Sub-grade Preparation	28,364	sq.m.		
202	Crushed Aggregate Base Course	3,570	cu.m.		
206	Cement Treated Base Course	1,050	cu.m.		
				Sub-total F-1	
F-2	Surface Courses				
301	Bituminous Prime Coat, MC-70	45.36	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @50mm thk	22,679	sq.m.		
311	Portland Cement Concrete Pavement (PCCP)	6,666	sq.m.		
				Sub-total F-2	
F-3	Miscellaneous Works				
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	926	sq.m.		
F-3.1	Relocation of Taxiway Lights	274	l.m.		
				Sub-total F-3	
				TOTAL-F	
G.	PAVEMENT IMPROVEMENT WORKS AT TAXIWAY F7				
G-1	Earthworks				
101(3)b.1	Roto-milling of Existing Asphalt Pavement	16,417	sq.m.		
G-1.2	Removal of Existing Asphalt Pavement	540	sq.m.		
102	Excavation works	851	cu.m.		
105	Sub-grade Preparation	18,847	sq.m.		
202	Crushed Aggregate Base Course	729	cu.m.		
				Sub-total G-1	
G-2	Surface Courses				
301	Bituminous Prime Coat, MC-70	37.69	m.t.		
302	Bituminous Tack Coat, SS-1	6.86	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @ 50mm thk	19,827	sq.m.		
				Sub-total G-2	

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G-3	Miscellaneous Works				
G-3.1	Repair of Concrete Pavement Cracks using High Strength Cement Mortar & Epoxy	75	L.M.		
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	1,450	sq.m.		
G-3.2	Repair and Improvement of Open Lined Canal	400	l.m.		
				Sub-total G3	
				TOTAL-G	
H.	PAVEMENT IMPROVEMENT WORKS AT TAXIWAY D				
H-1	Earthworks				
102	Excavation works	5,520	cu.m.		
105	Sub-grade Preparation	10,000	sq.m.		
206	Cement Treated Base Course	1,380	cu.m.		
101(3)a.3	Removal of PCCP @ 356mm thk	9,200	sq.m.		
				Sub-total H-1	
H-2	Surface Courses				
311	Portland Cement Concrete Pavement (PCCP)	9,200	sq.m.		
				Sub-total H-2	
H-3	Miscellaneous Works				
H-3.1	Repair of Concrete Pavement Cracks using High Strength Cement Mortar & Epoxy	80	L.M.		
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	300	sq.m.		
				Sub-total H3	
				TOTAL-H	
I.	PAVEMENT IMPROVEMENT WORKS AT J-RAMP AND TAXIWAY F6				
I-1	Earthworks				
101(3)b.1	Rotomilling of Existing Asphalt Pavement	88,895	sq.m.		

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105	Sub-grade Preparation	51,758	sq.m.		
I-1.2	Removal of Existing Asphalt Pavement	1,011	sq.m.		
				Sub-total I-1	

I-2	Surface Courses				
302	Bituminous Tack Coat, SS-1	62.23	m.t.		
310	Hot-mixed Asphalt, PG 60/70 @ 50mm thk	14,621	sq.m.		
310	Hot-mixed Asphalt, PG 60/70 @ 100mm thk	37,137	sq.m.		
				Sub-total I-2	
I-3	Miscellaneous Works				
I-3.1	Repair of Concrete Pavement Cracks using High Strength Cement Mortar & Epoxy	70	L.M.		
JIS K5665	Re-painting of Affected Pavement Markings using Thermoplastic Paint	800	sq.m.		
I-3.2	Repair and Improvement of Open Lined Canal	230	l.m.		
J-3.3	De-Clogging Works	8700	l.m.		
				Sub-total I-3	
				TOTAL-I	
		TOTAL PROJECT COST (A+B+C+D+E+F+G+H+I+J+K)			

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Submitted by:

FEDERICO G. GARCIA JR.

OIC - EMD

Reviewed by:

NANCY C. PAGLINAWAN

Manager - Accounting Department
(Budget Availability)

LILIBETH P. ENRIQUEZ

Manager - Treasury Department
(Funds Availability)

Recommending Approval:

DAN A. BAUTISTA

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Approved by:

ALEXANDER S. CAUGUIRAN

OIC/ACTING PRESIDENT & CEO

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