



Ref. No. LPKF-22272

September 28, 2022

MR. SEBASTIAN ARSENIO R. LACSON

Chief Executive Officer

Prime Metro BMD Corporation

16th Floor, Three E-Com Center Bayshore cor. Ocean Drive,

Block 21, Mall of Asia Complex, Pasay City Philippines

Subject: **Request for Payment – MICT Berth 8, Phase I**

Dear Sir:

We would like to request for the payment of the above captioned subject amounting to **Philippine Peso: ONE MILLION SIX HUNDRED TEN THOUSAND AND 00/100 (Php 1,610,000.00)** only, as indicated in the attached Statement of Account.

Please remit the requested payment to the following:

PHILKOEI INTERNATIONAL, INC.
Peso Current Account No.0031-0619-54
Bank of the Philippine Islands
Ground Floor, Philam Life Building
Paseo de Roxas St. Makati City
Philippines

Your preferential attention and appropriate action to this will be highly appreciated.

Thank you and best regards.

Very truly yours,

PETER S. SAMOZA
President



PHILKOEI INTERNATIONAL, INC.
CONSULTANTS • PLANNERS • ENGINEERS

Unit 1701, 17F The Orient Square Bldg.,
F. Ortigas Jr. Road, Ortigas Center,
San Antonio, Pasig City, Philippines
* Tel. No. : 534-0325
* Fax No. : 534-0335
* TIN : 000-169-246
* VAT : 32-7-004096

STATEMENT OF ACCOUNT

Date : September 28, 2022

MR. SEBASTIAN ARSENIO R. LACSON

Chief Executive Officer
Prime Metro BMD Corporation
16th Floor, Three E-Com Center Bayshore corner Ocean Drive,
Block 21, Mall of Asia Complex, Pasay City, Philippines

PARTICULARS

AMOUNT

This is to bill your good office for the services rendered for the Consultancy Services for the MICT Berth 8, Phase I in the amount of **PESOS: ONE MILLION SIX HUNDRED TEN THOUSAND AND 00/100 (Php 1,610,000.00)** only, representing partial payment of the total contract amount for the said project.

Php1,610,000.00

Contract Details as follows:

**Total Contract Amount (TCA)
inclusive of 12% VAT**

Php 2,300,000.00

- Contract Amount exclusive of 12% VAT

2,053,571.43

- Value Added Tax (12%)

246,428.57

Invoice Details as follows:

- 70% upon submission of preliminary design drawings and design report

1,610,000.00

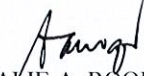
Total Invoice Amount, inclusive of 12% VAT

Php 1,610,000.00

PREPARED BY:


ANNA LIZA E. FLORES
Billing Specialist

CHECKED BY:


ANALIE A. ROQUE
AVP-Finance

APPROVED BY:


JOSE ADONES C. BERINGUELA
VP-Domestic Consulting Group

Acctg. 09

Subject: FW: Berth 8 Tender Design Report

From: lsdavid@philkoei.com.ph <lsdavid@philkoei.com.ph>
Sent: Saturday, 24 September 2022 3:54 pm
To: 'Rodel Samolde' <rodel.samolde@primebmd.com.ph>
Cc: 'Evangeline Mangulabnan' <evangeline.mangulabnan@primebmd.com.ph>; 'Marcel Greuter' <marcel.greuter@primebmd.com.ph>; 'psamoza@philkoei.com.ph' <psamoza@philkoei.com.ph>; 'Elenora Osalvo' <Elenora.Osalvo@primebmd.com.ph>
Subject: RE: Berth 8 Tender Design Report

Dear Rodel,

Further to your request below, please find this link to download the latest revised Final PED Consolidated Report with the following updates:

<https://drive.google.com/file/d/1ZK--H2hhfBNIM1xbmc90SabvzQlBAh7D/view?usp=sharing>

- Criteria for Drainage Design (Section 4.2) – *page 40 of the report*
- Figure 4.1 Drainage Layout - *page 41 of the report*
- Appendix D – Drainage Design Calculations (based on adjusted trench size as per drawings sent yesterday)
- Appendix G (including the latest drainage and index of drawings sent yesterday)

Thanks and regards,
Nides

CONFIDENTIALITY NOTICE:

The information contained in this e-mail, including those in its attachments, may contain sensitive personal information, and will be subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing") this Email, you agree to comply with the Privacy Laws. If you are not an intended recipient, you must not read, copy, store, disclose, distribute this message, or act in reliance upon the information contained in it. If you received this e-mail in error, please contact the sender and delete the material from any computer.

From: Rodel Samolde <rodel.samolde@primebmd.com.ph>
Sent: Saturday, 24 September 2022 2:32 pm
To: lsdavid@philkoei.com.ph
Cc: Evangeline Mangulabnan <evangeline.mangulabnan@primebmd.com.ph>; Marcel Greuter <marcel.greuter@primebmd.com.ph>; psamoza@philkoei.com.ph; Elenora Osalvo <Elenora.Osalvo@primebmd.com.ph>
Subject: RE: Berth 8 Tender Design Report

Dear Sir Nides,

Please can you review the data/details below (see mark-up) based on your new proposed trench size (Trench 3). If there are changes please send so we can update.

DESIGN CAPACITY OF RCPC
Partially Full Capacity

Design Considerations:

Qcap = AV

where: $V = \frac{1}{n} R^{2/3} S^{1/2}$
 $R = A/P$, $P = B + 2A$
 $A = I D^3/4$

for:	610 mmØ RCPC	Qcap = 0.253 m³/sec	S = 0.002
	910 mmØ RCPC	Qcap = 0.766 m³/sec	S = 0.002
	1220 mmØ RCPC	Qcap = 2.679 m³/sec	S = 0.005
	1520 mmØ RCPC	Qcap = 4.827 m³/sec	S = 0.005

M1 - M7 to OUTFALL(1)

Diameter (mm)	bed slope	Freeboard (h) (mm)	Radius	θ	a	p	R	R ^{2/3}	n	Velocity (m/sec)	Q cap (m³/sec)
610	0.002	100	305	1.667	0.261	1.408	0.185	0.325	0.015	0.969	0.253
610	0.002	100	305	1.667	0.261	1.408	0.185	0.325	0.015	0.969	0.253
910	0.002	100	455	1.352	0.612	2.244	0.273	0.420	0.015	1.253	0.766
*From TRENCH DRAIN to M9 to M4											
1220	0.005	100	610	1.161	1.124	3.124	0.360	0.506	0.015	2.384	2.679
1220	0.005	100	610	1.161	1.124	3.124	0.360	0.506	0.015	2.384	2.679
1220	0.005	100	610	1.161	1.124	3.124	0.360	0.506	0.015	2.384	2.679
1220	0.005	100	610	1.161	1.124	3.124	0.360	0.506	0.015	2.384	2.679
*From TRENCH DRAIN to M10 to M7											
1220	0.005	100	610	1.161	1.124	3.124	0.360	0.506	0.015	2.384	2.679
1520	0.005	100	760	1.038	1.764	3.987	0.442	0.581	0.015	2.737	4.827

OUTFALL(1)

1220	0.005	100	610	1.161	1.124	3.124	0.360	0.506	0.015	2.384	2.679
------	-------	-----	-----	-------	-------	-------	-------	-------	-------	-------	-------

OUTFALL(2)

DESIGN CAPACITY OF TRENCH

Design Considerations:

Qcap = AV

where: $V = \frac{1}{n} R^{2/3} S^{1/2}$
 $R = A/P$, $P = \text{Span} + \text{Height} + \text{height}$
 $A = \text{Span} \times \text{Height}$

for:	0.50 x 0.80 m canal	Qcap = 1.850 m³/sec	S = 0.060
	0.50 x 0.80 m canal	Qcap = 2.069 m³/sec	S = 0.075

For Trench Line 1, 2, 3

Q = CIA / 3.6

where: C = Runoff coefficient
I = Rainfall Depth, mm/hr
A = Area, m²
Q = Discharge, m³/sec

C = 0.95 I₁₀₀ = 435.60 mm/hr Tc = 5 mins

Trench 1:

Drainage Area, D. A. = 14,988.835 m²

Peak Discharge, Q = 1.723 m³/sec < Qcap = 1.850 m³/sec (safe)

Trench 2:

D. A. = 14,564.435 m²

Peak Discharge, Q = 1.674 m³/sec < Qcap = 1.850 m³/sec (safe)

Trench 3:

D. A. = 17,878.613 m²

Peak discharge, Q = 2.055 m³/sec < Qcap = 2.069 m³/sec (safe)

Thank you and regards,

Rodel Samolde | Estimator



16th Floor, Three E-Com Center
Bayshore corner Ocean Drive, Block 21 Mall of Asia Complex
Pasay City, Philippines 1300

Mobile: [+63 917 1900040 | Email: rodel.samolde@primebmd.com.ph

Website: www.primebmd.com.ph

Please consider the environment before printing this e-mail.

From: lsdavid@philkoei.com.ph <lsdavid@philkoei.com.ph>

Sent: Friday, 23 September 2022 7:52 PM

To: Rodel Samolde <rodel.samolde@primebmd.com.ph>

Cc: Evangeline Mangulabnan <evangelina.mangulabnan@primebmd.com.ph>; Marcel Greuter

<marcel.greuter@primebmd.com.ph>; psamoza@philkoei.com.ph; Elenora Osalvo
<Elenora.Osalvo@primebmd.com.ph>

Subject: RE: Berth 8 Tender Design Report

Hi Rodel,

Thanks for clarifying the invert elevations from the as-builts. Kindly therefore find attached PDF formats of the following to supersede related drawings in Appendix G of our report as listed below :

Attachments	Item	Sheets to be superseded in Appendix G of the report
Attachment 1	Drainage Drawings	D-16000 to D-16008 (additional sheet D-16009 inserted)
Attachment 2	List of Drawings	LD-7000

Attachment 3 meanwhile contains CAD formats of abovementioned sheets.

Upon our further review and evaluation of the drainage layout and identification of different invert levels at the junction of MH 11/D, the following have been considered in the updated drawings:

- Existing 750mm RCPC will be plugged/demolished to avoid obstructing the quay area as discussed
- Proposed trench size connected to 11/D adjusted to 800 X 2700 (grade=1%) considering difference in invert levels of existing RCPCs that will remain connected to said manhole
- Details of adjustments are shown in sheet D-16008

We hope you find these latest updated in order.

Thanks and regards,
Nides

CONFIDENTIALITY NOTICE:

The information contained in this e-mail, including those in its attachments, may contain sensitive personal information, and will be subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing") this Email, you agree to comply with the Privacy Laws. If you are not an intended recipient, you must not read, copy, store, disclose, distribute this message, or act in reliance upon the information contained in it. If you received this e-mail in error, please contact the sender and delete the material from any computer.

From: Rodel Samolde <rodel.samolde@primebmd.com.ph>

Sent: Friday, 23 September 2022 9:06 am

To: lsdavid@philkoei.com.ph

Cc: Evangeline Mangulabnan <evangelina.mangulabnan@primebmd.com.ph>; Marcel Greuter <marcel.greuter@primebmd.com.ph>; psamoza@philkoei.com.ph; Elenora Osalvo <Elenora.Osalvo@primebmd.com.ph>

Subject: FW: Berth 8 Tender Design Report

Hi Sir nldes, please find attached files as discussed.

Thank you and regards,

Rodel Samolde | Senior Estimator



16th Floor, Three E-Com Center
Bayshore corner Ocean Drive, Block 21 Mall of Asia Complex
Pasay City, Philippines 1300

Mobile: [+63 917 1900040 | Email: rodel.samolde@primebmd.com.ph
Website: www.primebmd.com.ph

Please consider the environment before printing this e-mail.

From: Rodel Samolde

Sent: Tuesday, 20 September 2022 10:49 am

To: lsdavid@philkoei.com.ph

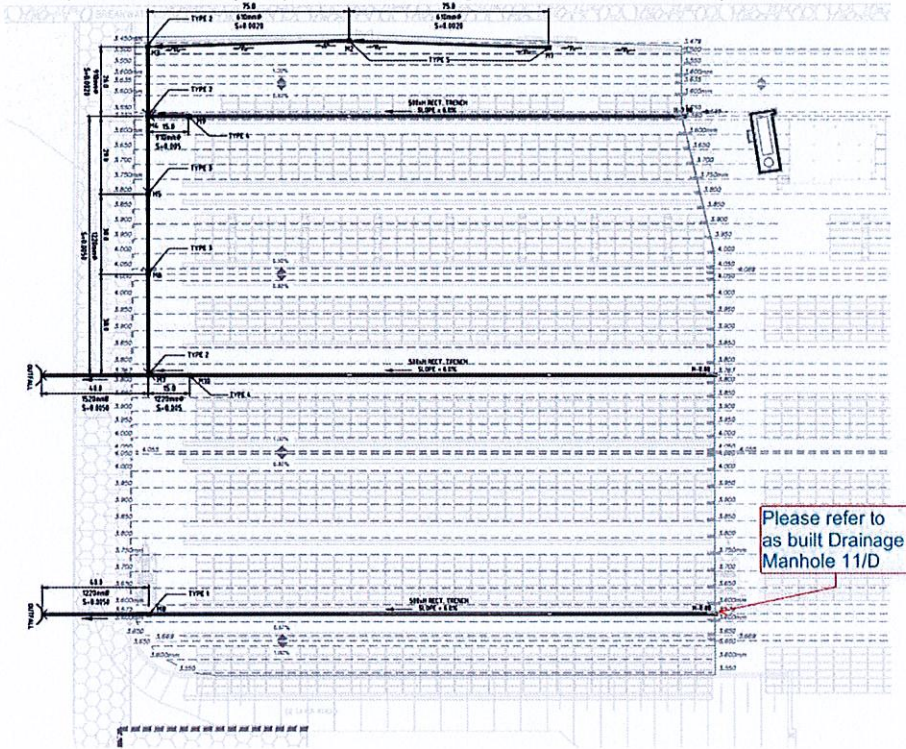
Cc: Evangeline Mangulabnan <evangeline.mangulabnan@primebmd.com.ph>; Marcel Greuter <marcel.greuter@primebmd.com.ph>; psamoza@philkoei.com.ph; Elenora Osalvo <Elenora.Osalvo@primebmd.com.ph>

Subject: RE: Berth 8 Tender Design Report

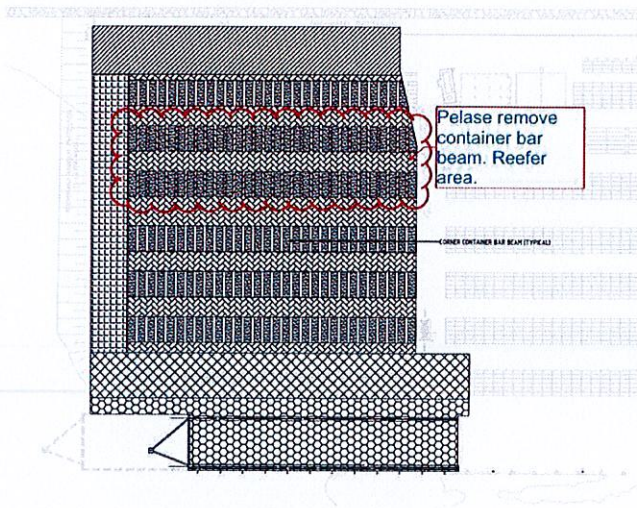
Dear Sir Nides,

Good morning!

- 1) Please can you review the existing invert elevation based on as-built drawings provided. See below mark-up. Resending the as built for your easy reference.
- 2) Please can you provide drawing for invert elevation profile.



- 3.) Drawing No. S-15000-B. See below mark-up



Thank you and regards,

Rodel Samolde | Senior Estimator



16th Floor, Three E-Com Center
Bayshore corner Ocean Drive, Block 21 Mall of Asia Complex
Pasay City, Philippines 1300

Mobile: [+63 917 1900040 | Email: rodel.samolde@primebmd.com.ph

Website: www.primebmd.com.ph

Please consider the environment before printing this e-mail.

From: lsdavid@philkoei.com.ph <lsdavid@philkoei.com.ph>

Sent: Monday, 19 September 2022 9:02 am

To: Rodel Samolde <rodel.samolde@primebmd.com.ph>

Cc: Evangeline Mangulabnan <evangeline.mangulabnan@primebmd.com.ph>; Marcel Greuter <marcel.greuter@primebmd.com.ph>; psamoza@philkoei.com.ph

Subject: RE: Berth 8 Tender Design Report

Dear Rodel,

Good morning.

Kindly find below link to download our updated report, and below replies to your comments contained in Tender Notebook T00037c:

https://drive.google.com/file/d/1qN4gn_gfX7H9XVx0-oiPPJElwmhEtTkl/view?usp=sharing

1. For the drainage design, please note the following:

- a) Criteria have been reconfirmed to comply with ER Performance Specifications.
- b) Based on PAGASA Rainfall Intensity Data Frequency (RIDF) of Manila Port Area, 100-year design return period will not cause a rainfall intensity of 100 mm/hr for a time of concentration, $T_c = 5$ minutes

- c) In order to comply with both the ER and PAGASA RIDF, we recommend considering 100-year return period and $T_c = 5$ minutes, but with corresponding rainfall intensity of 396 mm/hr in accordance with PAGASA RIDF
 - d) Due to item c), size of the outflow pipes and trenches have been adjusted accordingly as presented in the latest Sheet D-16000 included in the Appendix G of the revised report.
2. Design of Revetment Structures – PIANC guidelines for design of breakwater includes detailed derivation of configuration/shape of breakwater. As the shape has been conceptually established in the PED stage, the conventional method for stability analysis will justify the recommended sizing of the revetment structure considering the ER Technical Specifications for Rock Armours. Further exploration of the calculations, if needed, can be carried out in the DED stage.
3. Pavement:
- Pavement Layout – Container Bar Beam for Option 2 deleted (Sheet S-15000B)
 - Pavement Type D is shown correctly as 365 mm in the drawings and in Table 3-2 of the report; typographic error meanwhile in Section 3.9.2 of the report is corrected
 - Detail 1 and Detail 2 are consistent in Sheet 15001. Detail 1 however provides description of the 150mm subbase layer; hence, no revision needed
 - Design Life considered in the design of pavement is confirmed to be 20 years based on ER Performance Specifications Section 1.2.4; hence no revision needed on the design life of pavement
4. RTG Beams are now shown extended in the revised S-11000 based on Tender Clarification 6. Figure 3.15 in the report also corrected
5. High Mast Lighting details are already provided in the following drawing sheets
- For Electrical Components – See E-17007
 - For Structural Details – See sheets S-8000 to S-8003

Link to download the CAD files with abovementioned revised sheets can be downloaded from https://drive.google.com/drive/folders/1_CHCDTJPldk4-eamshznvSZS2Oz6yUEi?usp=sharing

We hope you find these replies and revisions in order.

Thanks and regards,
Nides

CONFIDENTIALITY NOTICE:

The information contained in this e-mail, including those in its attachments, may contain sensitive personal information, and will be subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing") this Email, you agree to comply with the Privacy Laws. If you are not an intended recipient, you must not read, copy, store, disclose, distribute this message, or act in reliance upon the information contained in it. If you received this e-mail in error, please contact the sender and delete the material from any computer.

From: Rodel Samolde <rodel.samolde@primebmd.com.ph>
Sent: Thursday, 15 September 2022 7:42 pm
To: lsdavid@philkoei.com.ph; Evangeline Mangulabnan <evangelina.mangulabnan@primebmd.com.ph>
Cc: Marcel Greuter <marcel.greuter@primebmd.com.ph>; psamoza@philkoei.com.ph
Subject: RE: Berth 8 Tender Design Report

Hi Sir Nides,

Please see our comments in the attached file.

Thank you and regards,

Rodel Samolde | Senior Estimator



16th Floor, Three E-Com Center
Bayshore corner Ocean Drive, Block 21 Mall of Asia Complex
Pasay City, Philippines 1300

Mobile: [+63 917 1900040] | Email: rodel.samolde@primebmd.com.ph
Website: www.primebmd.com.ph

Please consider the environment before printing this e-mail.

From: lsdavid@philkoei.com.ph <lsdavid@philkoei.com.ph>
Sent: Monday, 12 September 2022 5:11 pm
To: Evangeline Mangulabnan <evangeline.mangulabnan@primebmd.com.ph>
Cc: Marcel Greuter <marcel.greuter@primebmd.com.ph>; Rodel Samolde <rodel.samolde@primebmd.com.ph>; psamoza@philkoei.com.ph
Subject: RE: Berth 8 Tender Design Report

Resending the link to download the consolidated report.

https://drive.google.com/file/d/1brvGdt6aM5VsSxqxrUnC2pVVhp4r_xNT/view?usp=sharing

CONFIDENTIALITY NOTICE:

The information contained in this e-mail, including those in its attachments, may contain sensitive personal information, and will be subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing") this Email, you agree to comply with the Privacy Laws. If you are not an intended recipient, you must not read, copy, store, disclose, distribute this message, or act in reliance upon the information contained in it. If you received this e-mail in error, please contact the sender and delete the material from any computer.

From: lsdavid@philkoei.com.ph <lsdavid@philkoei.com.ph>
Sent: Monday, 12 September 2022 4:46 pm
To: 'Evangeline Mangulabnan' <evangeline.mangulabnan@primebmd.com.ph>
Cc: 'Marcel Greuter' <marcel.greuter@primebmd.com.ph>; 'Rodel Samolde' <rodel.samolde@primebmd.com.ph>; 'psamoza@philkoei.com.ph' <psamoza@philkoei.com.ph>
Subject: RE: Berth 8 Tender Design Report

Hi Ma'am Vangie,

Further to e-mail below, kindly find below link to download the consolidated final PED report, which includes the PED drawings as among its appendices.

<https://drive.google.com/file/d/1TuKZht-lAJk4WewicwqfMmWzg-xCvXdC/view?usp=sharing>

All CAD files meanwhile can be downloaded from link https://drive.google.com/drive/folders/1_CHCDTJPlDk4-eamshznvSZS2Oz6yUEi?usp=sharing

Thanks and regards,
Nides

CONFIDENTIALITY NOTICE:

The information contained in this e-mail, including those in its attachments, may contain sensitive personal information, and will be subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing") this Email, you agree to comply with the Privacy Laws. If you are not an intended recipient, you must not read, copy, store, disclose, distribute this message, or act in reliance upon the information contained in it. If you received this e-mail in error, please contact the sender and delete the material from any computer.

From: lsdavid@philkoei.com.ph <lsdavid@philkoei.com.ph>
Sent: Friday, 9 September 2022 11:19 am
To: 'Evangeline Mangulabnan' <evangeline.mangulabnan@primebmd.com.ph>
Cc: 'Marcel Greuter' <marcel.greuter@primebmd.com.ph>; 'Rodel Samolde' <rodel.samolde@primebmd.com.ph>;
'psamoza@philkoei.com.ph' <psamoza@philkoei.com.ph>
Subject: RE: Berth 8 Tender Design Report

Hi Ma'am Vangie,

Good morning.

Noted on this. Will prepare a consolidated final report as advised.

Thanks and regards,
Nides

From: Evangeline Mangulabnan <evangeline.mangulabnan@primebmd.com.ph>
Sent: Friday, 9 September 2022 11:13 am
To: Jose Leonides S. David <lsdavid@philkoei.com.ph>
Cc: Marcel Greuter <marcel.greuter@primebmd.com.ph>; Rodel Samolde <rodel.samolde@primebmd.com.ph>
Subject: Berth 8 Tender Design Report

Hi Nides,

For Philkoei final report, we expect that it is set out in proper format and in a single report with the following information.

- Introduction
- Scope (inclusions/exclusions)
- Design Criteria/Standards
- Design Methods
- Recommendation
- Drawings and document references

Please let me know if you have question.

Evangeline Mangulabnan | Chief Estimator



16th Floor, Three E-Com Center
Bayshore corner Ocean Drive, Block 21 Mall of Asia Complex
Pasay City, Philippines 1300

Mobile: +63 917 807 5549 | Email: evangeline.mangulabnan@primebmd.com.ph
Website: www.primebmd.com.ph

Please consider the environment before printing this e-mail.