

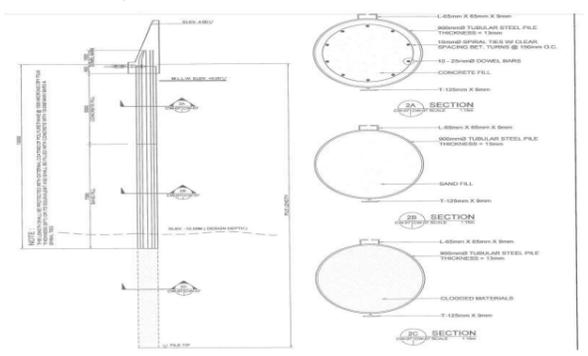
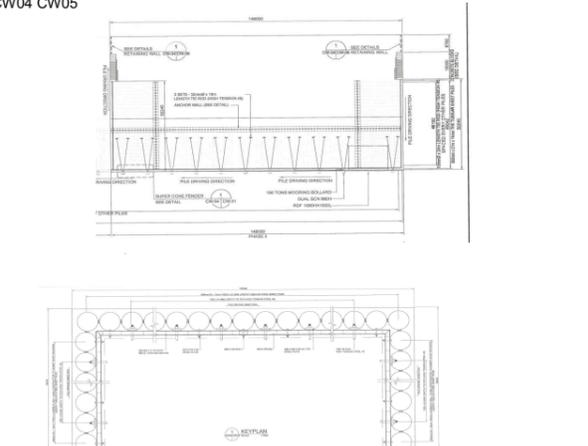
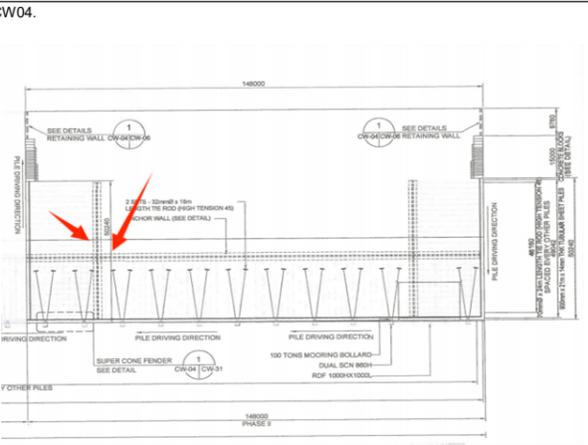
Project Name: The Construction of New Pier (ESB Port Development Option 1 – Scheme B)

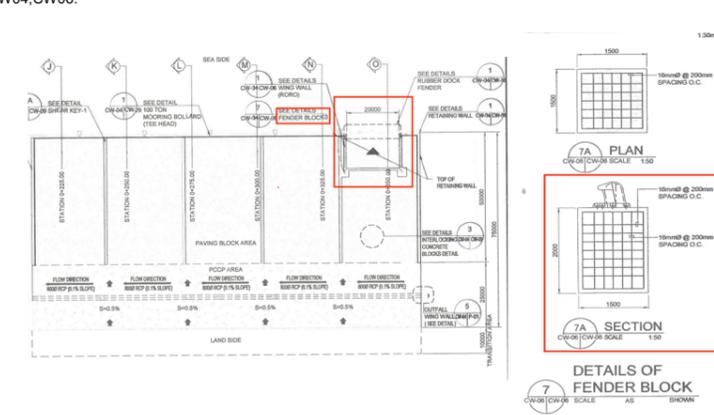
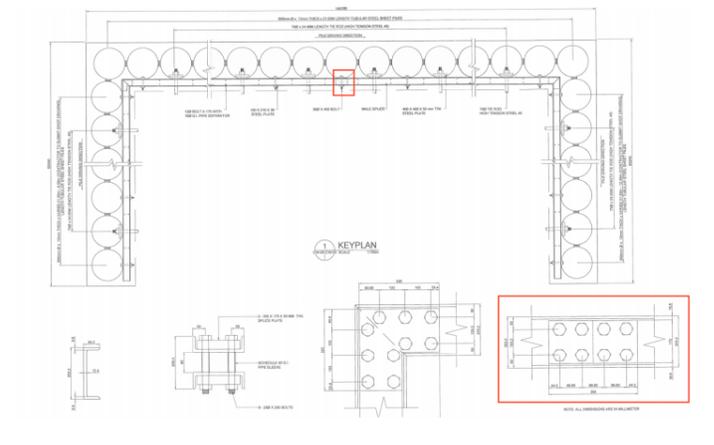
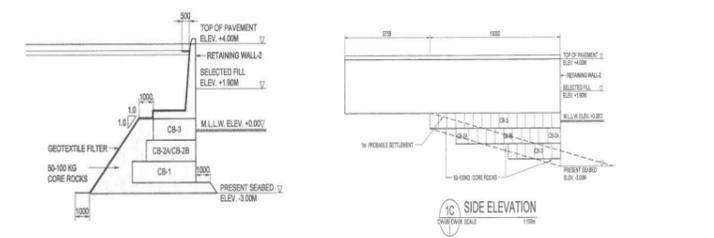
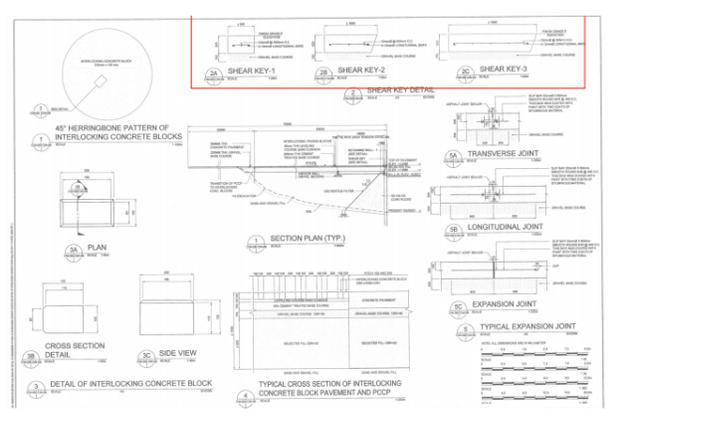
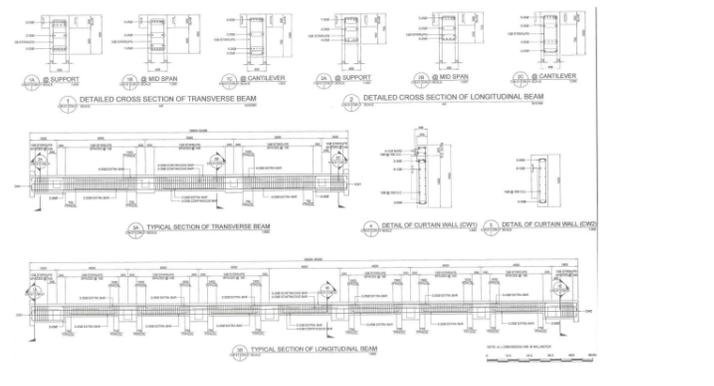
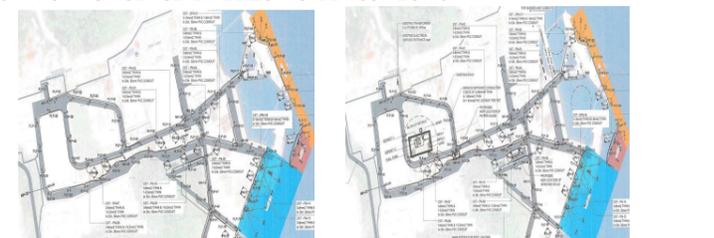
EMPLOYER: Philippine National Oil Company (PNOC)
 ENGINEER:
 Bidder: CHEC CONSTRUCTION PHILS CORP
 03/05/2023

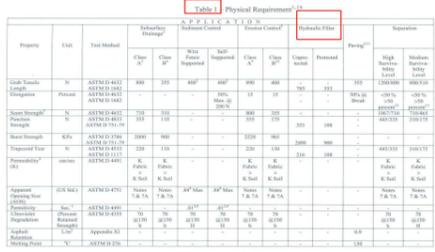
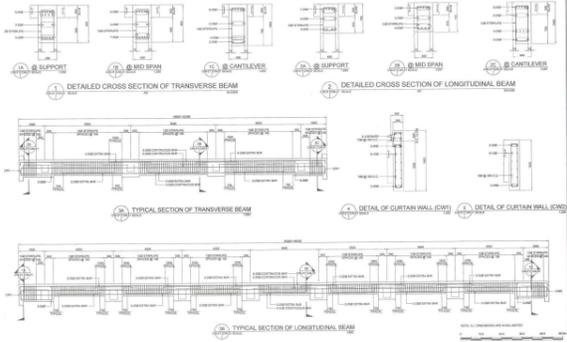
Tender Query and Response List :

| Seq. Number | Reference | Tender Queries | Reply to Queries | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|--|---|-------------|--|--|--|---------|----------|---|---------------------------------------|------|---------|--|---------------------------------|----------|--|---------------------------|-----|-------|--|--|--|--|---------------------|-----|--|------|--|---------------|
| 1 | <p>Plans & Drawings (Contract Package II Service Electrical Lay out) Set No.E- 03/09 Sheet No. 57/63</p> | <p>Reference to Bill of Quantities (Bill No. 8.02.07) the Generator set specify 1-set only, however in drawing shown 2-set. Please to confirm the qty of the Generator set & load capacity.</p> <table border="1"> <tr> <td>8.02.07</td> <td>GENERATOR SET 250KVA, 400/230V, 3PSN, 60Hz., 1800 RPM, DIESEL ENGINE DRIVEN, SOUNDPROOF TYPE.</td> <td>set</td> <td>1.00</td> </tr> </table> | 8.02.07 | GENERATOR SET 250KVA, 400/230V, 3PSN, 60Hz., 1800 RPM, DIESEL ENGINE DRIVEN, SOUNDPROOF TYPE. | set | 1.00 | Quantity of Generator Set is 1 set only. BOQ shall govern. | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.02.07 | GENERATOR SET 250KVA, 400/230V, 3PSN, 60Hz., 1800 RPM, DIESEL ENGINE DRIVEN, SOUNDPROOF TYPE. | set | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <p>Plans & Drawings (LCP-PN1 PANEL DETAILS) Set No.E -07/09 Sheet No. 61/63</p> | <p>Reference to Bill of Quantities (Bill No. 8.02.01) Please to confirm & verify for 2-Spare CKT (PN.11 & PN.12) are not included in the total no. of Branches at Lighting Control Panel supposed is included 22 (BRS. 22-30AT/ 50AF, 3 PSN, MCCB)</p> <table border="1"> <tr> <td>8.02</td> <td>Electrical Works</td> <td></td> <td></td> </tr> <tr> <td>8.02.1</td> <td>Supply and Install Complete New Lighting Control Panel "LCP-PN1" NEMA 4X ENCLOSURE PAD MOUNTED</td> <td>set</td> <td>1.00</td> </tr> <tr> <td></td> <td>MAIN 150AT/ 225AF, 3 PSN, MCCB</td> <td></td> <td></td> </tr> <tr> <td></td> <td>BRS. 20-30AT/ 50AF, 3 PSN, MCCB</td> <td></td> <td></td> </tr> </table> | 8.02 | Electrical Works | | | 8.02.1 | Supply and Install Complete New Lighting Control Panel "LCP-PN1" NEMA 4X ENCLOSURE PAD MOUNTED | set | 1.00 | | MAIN 150AT/ 225AF, 3 PSN, MCCB | | | | BRS. 20-30AT/ 50AF, 3 PSN, MCCB | | | Refer to BOQ. | | | | | | | | | | | | |
| 8.02 | Electrical Works | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.02.1 | Supply and Install Complete New Lighting Control Panel "LCP-PN1" NEMA 4X ENCLOSURE PAD MOUNTED | set | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MAIN 150AT/ 225AF, 3 PSN, MCCB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BRS. 20-30AT/ 50AF, 3 PSN, MCCB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | <p>Technical Specification Part I-16</p> | <p>Reference to Bill of Quantities (Bill No. 8.02.3.2) specify 264 W LED FLOODLIGHT, however in Technical Specification shown is 2634 W Please to confirm the capacity.</p> | Typographical error on Technical Specification. BOQ shall govern. Specification is 264W LED Floodlights. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | <p>Plans & Drawings (HIGH MAST POLE DETAILS) Set No.E -06/09 Sheet No. 60/63</p> | <p>In Reference with Bill of Quantities (Bill No. 8.02.3.2) Please to confirm qty of LED FLOOD LIGHT</p> <table border="1"> <thead> <tr> <th>BILL NO.</th> <th>TECHNICAL SPECS CODE</th> <th>DESCRIPTION</th> <th>UNIT</th> <th>QTY</th> <th>CHEC QTY</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>8.02.3.1</td> <td></td> <td>ROADWAY LUMINAIRE 150W LED, 230 VOLTS</td> <td>set</td> <td>67.00</td> <td>67.00</td> <td></td> </tr> <tr> <td>8.02.3.2</td> <td></td> <td>SHAW LED FLOODLIGHT</td> <td>set</td> <td>18.00</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>SHAW LED FLOODLIGHT</td> <td>set</td> <td></td> <td>2.00</td> <td>LED Floodlight 1set x 6 High Mast = 18 set</td> </tr> </tbody> </table> | BILL NO. | TECHNICAL SPECS CODE | DESCRIPTION | UNIT | QTY | CHEC QTY | REMARKS | 8.02.3.1 | | ROADWAY LUMINAIRE 150W LED, 230 VOLTS | set | 67.00 | 67.00 | | 8.02.3.2 | | SHAW LED FLOODLIGHT | set | 18.00 | | | | | SHAW LED FLOODLIGHT | set | | 2.00 | LED Floodlight 1set x 6 High Mast = 18 set | Refer to BOQ. |
| BILL NO. | TECHNICAL SPECS CODE | DESCRIPTION | UNIT | QTY | CHEC QTY | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.02.3.1 | | ROADWAY LUMINAIRE 150W LED, 230 VOLTS | set | 67.00 | 67.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.02.3.2 | | SHAW LED FLOODLIGHT | set | 18.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SHAW LED FLOODLIGHT | set | | 2.00 | LED Floodlight 1set x 6 High Mast = 18 set | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | <p>Technical Specification Part I-47</p> | <p>As per Bill of Quantities (Bill No. 8.01.3) for Cast Iron Pipe, is not shown in Technical Specification. Please to verify.</p> | Refer to BOQ. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | <p>Bill of Quantities</p> <table border="1"> <thead> <tr> <th>BILL NO.</th> <th>DESCRIPTION</th> <th>UNIT</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>PORT DRAINAGE SYSTEM</td> <td></td> <td></td> </tr> <tr> <td>7.01</td> <td>See Annex D Additional References Port Drainage System</td> <td>LS</td> <td>1.00</td> </tr> <tr> <td>8.01.24</td> <td>See Annex D Additional References Sewerage Line (Including STP, 45 CMD)</td> <td>lot</td> <td>1.00</td> </tr> </tbody> </table> | BILL NO. | DESCRIPTION | UNIT | QTY | 7 | PORT DRAINAGE SYSTEM | | | 7.01 | See Annex D Additional References Port Drainage System | LS | 1.00 | 8.01.24 | See Annex D Additional References Sewerage Line (Including STP, 45 CMD) | lot | 1.00 | <p>As per Bill of Quantities (Bill No. 8.01.3) Bill No. 7.01 & 8.01.24, Please to Provide Annex D (Additional Reference)</p> | Annex D will be provided. | | | | | | | | | | | | |
| BILL NO. | DESCRIPTION | UNIT | QTY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | PORT DRAINAGE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.01 | See Annex D Additional References Port Drainage System | LS | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.01.24 | See Annex D Additional References Sewerage Line (Including STP, 45 CMD) | lot | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | BOQ Item 2.01 | BOQ Item 2.01. Supply and delivery of steel pipe piles (900mmØ x 13mm thk x 21m A252 Grade 2) including interlock connectors. May I know what is the interlock length? What is the material grade required for the interlock? | Interlock will be the same with the length of the steel pile pipes. For material grade, refer to the Annex A Technical Specification for material grade. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | protective coating | Do we need protective coating on the interlock and what is the coating thickness requirement? | Yes. Refer to Annex A Technical Specification for coating thickness requirements. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Steel pipe pile OD900mm | The material grade for Steel pipe pile OD900mm is A252 Grade 2, kindly confirm. | Yes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | protective coating | The protective coating required is polyurethane to total DFT 1500 microns. Do you accept proposal of different coating system such as High Build Epoxy or GlassFlake Epoxy coating? | For bidding purposes no. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | BOQ Item 2.04 | BOQ Item 2.04 Provision for coring, what's the proposal of this coring? For pile plug concrete? | Refer to Annex A Technical Specification. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | BOQ Item 3.05, 4.05, 5.05, 6.04 splicing of SPP | BOQ Item 3.05, 4.05, 5.05, 6.04 splicing of SPP, do you consider these splicing work above water or on land? | Refer to Annex A Technical Specification. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | BOQ Item 7.01 & 8.01.24 Port Drainage System sewerage line see Annex D | BOQ Item 7.01 & 8.01.24 Port Drainage System sewerage line see Annex D, could you provide document Annex D? | Annex D will be provided. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | BOQ Item 8.02.15.3 cable 300mm dia | BOQ Item 8.02.15.3 cable 300mm dia, could you provide more information? | Refer to Service Electrical Layout Annex C Shop Drawings. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | Do the Drainage system, water lines, electrical works include demolition work and re-built work? Could you indicate the construction location for these facility work, the drawings show the most of location are in yard area and out of proposed jetty area? | Refer to Annex C Shop drawing and Annex D which will provided. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | GI information for the pile driving are | Could you provide more GI information for the pile driving area, such as the sandstone strength. | Refer to Annex A Technical Specification. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | BOQ and drawings | Base on the BOQ and drawings, we find that the total pile lengths (PHASE II TRAPEZOIDAL MAIN WHARF, PHASE III BLOCK 1 & 2) in BOQ are much more than the quantities in the drawings, please confirm whether we will following the BOQ for the tendering. | Yes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 18 | GENERAL | Please clarify the start date of project. | Upon receipt of Notice to Proceed. | | | | | | |
|---|--|--|--|--|---|---|---|---|---|
| 19 | GENERAL | Please clarify what kinds of permits will be needed to submit during the construction phase of the project. | LGU Permit. | | | | | | |
| 20 | GENERAL | Please clarify the priority of phases II marginal pier & Phase II main wharf & phase III block I & phase III block II? Whether these parts have a detail deadline? | Contractor shall submit Construction Schedule with S-Curve subject for PNOC approval prior to commencement of work. Since ESB plans to continue pier operations while construction is ongoing, contractor shall consider the following schedule: 1. Construction of Phase II Marginal Pier (10 Months). 2. Construction of Main Wharf (14 months). | | | | | | |
| 21 | GENERAL | If here have a conflict between the Phase I wharf and Phase II marginal wharf during construction, it's mean did they will construct at simultaneously. | The triangular pier shall still be operational during construction of marginal wharf. And upon completion of marginal wharf, construction of main wharf shall commence and marginal wharf shall be operational or vice versa. | | | | | | |
| 22 | GENERAL | Can the contractor use PNOC's triangular wharf which is behind of the Phase III block II wharf during the construction phase of the project? It's free or not, if not, what is the charge standard? | A laydown area shall be designated to the Contractor. They shall refer to Annex D. If contractor plans to utilize the triangular pier for unloading operations of Construction Materials they shall follow ESB Operations Guidelines and PPA Guidelines for berthing of local and foreign vessel. Vessel and other charges shall also apply. | | | | | | |
| 23 | GENERAL | As per the discussion on the meeting when CHEC visit the site, it was mentioned that two offices could be provided to the contractor, but just for rent, CHEC want to know what is the charge standard. | Php285.00 per square meters plus 12% VAT. Total office area available as of April 30, 2023 is 2 office unit with area of 34.5 square meters each. | | | | | | |
| 24 | GENERAL | Which road in the internal area can be used for construction equipment traveling during the construction period? Did PNOC have a traveling route layout for construction equipment? | Please refer to Annex C Shop Drawings for road network of ESB. The Contractor shall utilize the existing road network of ESB for travelling of equipment during construction period. | | | | | | |
| 25 | GENERAL | Does here have any specific requirement of construction noise and waste? did here have any specific area for stock construction waste (such as concrete waste)? The construction site is near the residential area, did here have specific requirement or limit for construction period everyday? If the contractor complained by surrounding residents (the piling area is close to the residential area) during normal working time, can OPNC provide assistance to solve the problem? | Scrap materials and construction debris will be stock at PNOC designated area inside the ESB. However, residual waste of the Contractor shall be cared of the Contractor. The Contractor can construct 24/7 with proper coordination with the nearby Barangays. PNOC will be able to assist Contractor in coordinating with the Barangays. | | | | | | |
| 26 | GENERAL | Did employer have any other HSE requirements for this project, if have, please provide it. | Please refer to DOLE Department Order 198-18 and the Prohibited Acts and Penalties at PNOC ESB in Annex D. | | | | | | |
| 27 | GENERAL | Cathodic protection and design life are not mentioned in the design drawing and specification, please confirm it is needed or not. | Care of Consultant. To be verified prior to start of construction subject for approval of PNOC. | | | | | | |
| 28 | section VI vii. project execution requirements A. general conditions clause 3 | 3. The contractor is required to secure the required surety, performance, and guarantee bonds prior to the commencement of work. | P37 of the bidding documents. How much is the performance and guarantee bonds? Refer to 2016 revised IRR of RA 9184. | | | | | | |
| 29 | Section IV GCC clause 5 Section 39. of the 2016 revised IRR | 5. Performance Security 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR. Section 39. Performance Security 39.1. To guarantee the faithful performance by the winning bidder of its obligations under the contract in accordance with the Bidding Documents, it shall post a performance security prior to the signing of the contract. 39.2. The performance security shall be in an amount not less than the required percentage of the total contract price in accordance with the following schedule: <table border="1"> <thead> <tr> <th>Form of Performance Security</th> <th>Amount of Performance Security (Not less than the required percentage of the Total Contract Price)</th> </tr> </thead> <tbody> <tr> <td>a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. For biddings conducted by LGUs, the cashier's/manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</td> <td>Goods and Consulting Services - Five percent (5%)</td> </tr> <tr> <td>b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. Provided, however, That it shall be confirmed or authorized by a Universal or Commercial Bank, if issued by a foreign bank.</td> <td>Infrastructure Projects - Ten percent (10%)</td> </tr> </tbody> </table> <small>Page 84 of 149</small> | Form of Performance Security | Amount of Performance Security (Not less than the required percentage of the Total Contract Price) | a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. For biddings conducted by LGUs, the cashier's/manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument. | Goods and Consulting Services - Five percent (5%) | b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. Provided, however, That it shall be confirmed or authorized by a Universal or Commercial Bank, if issued by a foreign bank. | Infrastructure Projects - Ten percent (10%) | It means that the Performance Security contains no less than 10% of the total contract price. Please specify the proportion of performance security. Refer to 2016 revised IRR of RA 9184. |
| Form of Performance Security | Amount of Performance Security (Not less than the required percentage of the Total Contract Price) | | | | | | | | |
| a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. For biddings conducted by LGUs, the cashier's/manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument. | Goods and Consulting Services - Five percent (5%) | | | | | | | | |
| b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. Provided, however, That it shall be confirmed or authorized by a Universal or Commercial Bank, if issued by a foreign bank. | Infrastructure Projects - Ten percent (10%) | | | | | | | | |
| 30 | Advance Payment The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the SCC, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184. | The advance payment shall not exceed 15% of the contract amount. Please specify the proportion of advance payment. | Refer to 2016 revised IRR of RA 9184. | | | | | | |
| 31 | 14. Progress Payments The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment. | The measurement period, payment period and payment proportion of progress payment shall be specified for progress payment, and supporting documents required for measurement shall be specified. Please clarify how long the progress payments will be certified after submission and made after certification? Please clarify what documents are required in submitting the progress payments? | Upon completeness of documents, Treasury will issue check. Refer to revised IRR of RA 9184. | | | | | | |
| 32 | 14 Materials and equipment delivered on the site but not completely put in place shall not be included for payment. | Is the material not be included for payment after acceptance and delivery? Need to wait for finish the construction or not? If not, what is the proportion. | Refer to BOQ. | | | | | | |
| 33 | | The bidding documents do not specify the fine regulations for delay of construction period. Is there any delay penalty if the project can not be delivered on time? If yes, what is the percentage and the maximum percentage? Is there any bonus if the project is delivered in advance? If yes, what is the percentage and the maximum percentage? | Yes. Refer to 2016 revised IRR of RA 9184. | | | | | | |
| 34 | X. PROJECT DURATION Work should be completed within seven hundred twenty (720) calendar days reckoned from the date of receipt of the Notice to Proceed. The 720 calendar days include the thirty (30) rainy/unworkable days with the approval of PNOC ESB management. <small>NOTE: Delays due to work stoppage (related to contractor's noncompliance to Safety, Health, Security, and Environmental policies of ESB) ordered by PNOC will still be counted to the original contract duration; i.e. no suspension of time shall be granted to the contractor.</small> | Please specify what situations the Contractor is entitle for extension of time for completion | A documented Construction Management and PNOC approved at no fault to the contractor except work stoppage related to non-compliance to HSSE policies. | | | | | | |

| 35 | <p>8. The contractor shall commence work on the agreed Start Date and shall carry out the work in accordance with the program of work submitted by the CONTRACTOR, as approved by the PNOC representative, and complete the project by the completion date as indicated in the SOW.</p> <p>9. The Contractor shall comply with all the Safety and Health, Security and Environmental policies and settle corresponding penalty for non-compliance pursuant to ESB Operations Guidelines No.21-002 (Refer to Annex D Additional References) on top of penalty to be imposed by DOLE. The contractor shall be liable for all accident claims and other related claims arising from injuries and damages, which may occur in relation to the execution of the project.</p> <p>10. The contractor shall hold PNOC and its personnel free from any and all liabilities for</p> | Please provide documents such as the ESB Operations Guidelines (Annex D Additional References) mentioned in the PROJECT EXECUTION REQUIREMENTS on page 37 of the bidding document | Annex D will be provided. | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|--|-------|----------|--|--|---------------------|-------|---|----|-------|--|------|------|---|--------------|--|-------------------|
| 36 | <table border="1" data-bbox="210 341 735 400"> <tr> <td>1.02</td> <td>B.7</td> <td>Provide Construction Safety and Health Program in the Execution of the Project</td> <td>Month</td> <td>24.00</td> </tr> </table> | 1.02 | B.7 | Provide Construction Safety and Health Program in the Execution of the Project | Month | 24.00 | Item 1.02 of boq Table for construction safety and health, whether it means the production safety cost of the whole project construction, the cost will be measured and paid separately and will not be included in the comprehensive unit price. | Refer to Annex A Technical Specifications Part B. | | | | | | | | | | | | |
| 1.02 | B.7 | Provide Construction Safety and Health Program in the Execution of the Project | Month | 24.00 | | | | | | | | | | | | | | | | |
| 37 | <table border="1" data-bbox="210 534 735 578"> <tr> <td>9.01</td> <td></td> <td>Demolition of Existing Marginal Wharf</td> <td>sq m</td> <td>2,910.00</td> </tr> </table> | 9.01 | | Demolition of Existing Marginal Wharf | sq m | 2,910.00 | In item 9.01 of boq table, Need to provide specific drawings and detailed quantity, the bidding document said CON can reuse the materials after the existing marginal wharf demolition, if the material quality cannot meet the requirement of project, can contractor still use it? | No. Refer to Technical Specifications regarding backfilling materials. | | | | | | | | | | | | |
| 9.01 | | Demolition of Existing Marginal Wharf | sq m | 2,910.00 | | | | | | | | | | | | | | | | |
| 38 | <table border="1" data-bbox="210 727 735 801"> <tr> <td>2.01</td> <td>400</td> <td>Supply and delivery of steel pipe piles (900mm dia. x 13mm thk x 21m A252 Grade 2) including interlock connectors.</td> <td>lm</td> <td>5,418.00</td> </tr> </table> <p>Payment will be made under:</p> <table border="1" data-bbox="252 831 693 979"> <thead> <tr> <th>Pay Item Number/s</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>2.01a</td> <td>Supply and deliver to site Steel pipe piles (900mm dia. x 13mm thk x 21m, A252 Grade 2) including interlock connectors, Furnished</td> <td>kg</td> </tr> <tr> <td>2.01b</td> <td>Application of polyurethane external coating including surface preparation for SPP</td> <td>sq.m</td> </tr> <tr> <td>2.02</td> <td>Handle, pitch and drive 900mm dia. steel pipe piles</td> <td>Linear Meter</td> </tr> </tbody> </table> | 2.01 | 400 | Supply and delivery of steel pipe piles (900mm dia. x 13mm thk x 21m A252 Grade 2) including interlock connectors. | lm | 5,418.00 | Pay Item Number/s | Description | Unit of Measurement | 2.01a | Supply and deliver to site Steel pipe piles (900mm dia. x 13mm thk x 21m, A252 Grade 2) including interlock connectors, Furnished | kg | 2.01b | Application of polyurethane external coating including surface preparation for SPP | sq.m | 2.02 | Handle, pitch and drive 900mm dia. steel pipe piles | Linear Meter | For example, the unit of measurement in item 2.01a of F-8 in the technical specification is kg, while the unit of measurement in boq table is lm. Whether technical specifications are preferred in the order of documents in the bidding documents. If the technical specification is preferred, please re-define the quantity. | Refer to the BOQ. |
| 2.01 | 400 | Supply and delivery of steel pipe piles (900mm dia. x 13mm thk x 21m A252 Grade 2) including interlock connectors. | lm | 5,418.00 | | | | | | | | | | | | | | | | |
| Pay Item Number/s | Description | Unit of Measurement | | | | | | | | | | | | | | | | | | |
| 2.01a | Supply and deliver to site Steel pipe piles (900mm dia. x 13mm thk x 21m, A252 Grade 2) including interlock connectors, Furnished | kg | | | | | | | | | | | | | | | | | | |
| 2.01b | Application of polyurethane external coating including surface preparation for SPP | sq.m | | | | | | | | | | | | | | | | | | |
| 2.02 | Handle, pitch and drive 900mm dia. steel pipe piles | Linear Meter | | | | | | | | | | | | | | | | | | |
| 39 | <p>X. PROJECT DURATION</p> <p>Work should be completed within seven hundred twenty (720) calendar days reckoned from the date of receipt of the Notice to Proceed. The 720 calendar days include the thirty (30) rainy/unworkable days with the approval of PNOC ESB management.</p> <p>NOTE: Delays due to work stoppage (related to contractor's noncompliance to Safety, Health, Security, and Environmental policies of ESB) ordered by PNOC will still be counted to the original contract duration, i.e. no suspension of time shall be granted to the contractor.</p> | The project duration only includes 30 non-working days. Does it include all non-working days such as typhoons, earthquakes and legal holidays? | Unworkable days are when contractor will not be able to work due to weather condition on site. Contract duration is in calendar days meaning legal holidays is included in the 720 calendar days. | | | | | | | | | | | | | | | | | |
| 40 | | According to the geological data of BH05-BH12 part of the geological standard penetration hit more than 80, is the design of steel pipe pile suitable? | Yes. | | | | | | | | | | | | | | | | | |
| 41 | <p>Detail of tie rod and typical section of steel sheet pile CW-07-34</p>  | The clogged materials at the bottom of the pile did not specify the construction materials. | Care of Consultant. To be verified prior to start of construction subject for approval of PNOC. | | | | | | | | | | | | | | | | | |
| 42 | <p>CW04 CW05</p>  | CW04 and CW05 PILE shows DRIVING DIRECTION different, which one should be suggested? Can the contractor decide on their own about the pile driving direction and sequence? | Refer to Annex A Technical Specifications. | | | | | | | | | | | | | | | | | |
| 43 | <p>CW04.</p>  | What are the elevations of the steel tie rods and anchor walls at the front and side of the dock? If the elevation is consistent, the steel tie rods may fight. | Refer to Annex C Shop drawing for details of tie rod and anchor walls. | | | | | | | | | | | | | | | | | |

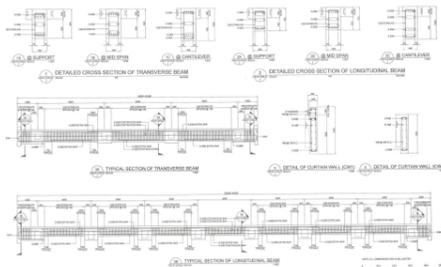
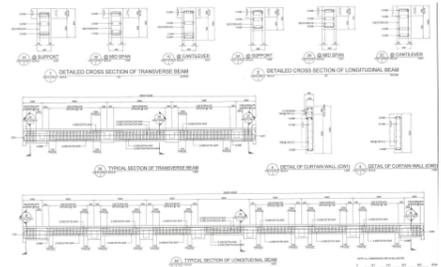
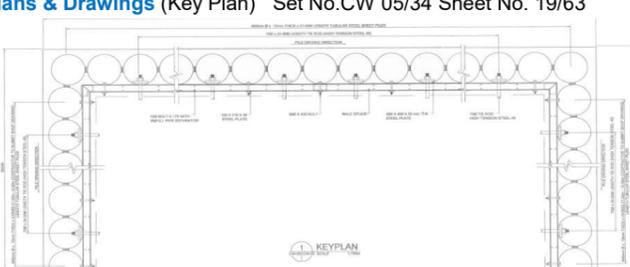
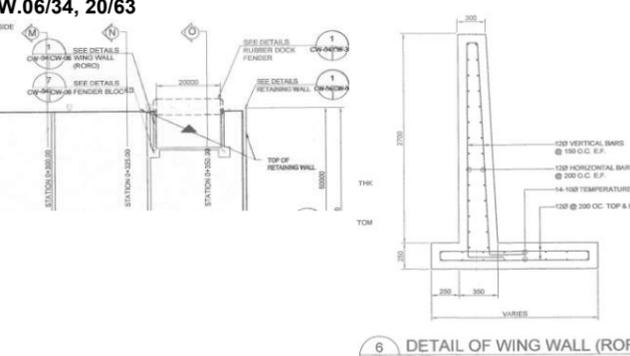
| | | | |
|----|--|---|---|
| 44 | <p>CW04,CW06.</p>  | <p>There are no detailed drawings in the red box part of the CW04. Based on the CW06, there is a TEE-HEAD ON THE FENDER BLOCKS. However, BOQ missed the bollard here, please clarify.</p> | <p>No, its in the BOQ.</p> |
| 45 | <p>CW05.</p>  | <p>Can CON. assume that WALE SPLICE is only required here, as it is only marked here? If not, please indicate when WALE SPLICE should be used.</p> | <p>Wale splice shall be installed as required.</p> |
| 46 | <p>DETAIL OF CONCRETE BLOCK CW-08-38</p>  | <p>Please provide the number of each type of square for PHASE II</p> | <p>Volume of concrete blocks already indicated in BOQ.</p> |
| 47 | <p>CW09</p>  | <p>shows 3 kinds of shear key. Where are they applied separately?</p> | <p>Depends on the length of shear key.</p> |
| 48 | <p>CW21.</p>  | <p>Regarding phase II main wharf and phase III, the plates structure is not shown in the drawings only show some beams and wall, and there is no plates item show in the BOQ also. Can CON. consider that there is no need for plates in phase II main wharf and phase III?</p> | <p>Refer to Annex A Technical Specifications.</p> |
| 49 | <p>CONTRACT PACKAGE II SERVICE ELECTRICAL LAYOUT E-03-09 CONTRACT PACKAGE II GENERAL ELECTRICAL LAYOUT E-04-19</p>  | <p>Please clarify the scope of responsibility for the demolition of other pipelines during the construction of mechanical and electrical engineering</p> | <p>Refer to Annex A Technical Specifications.</p> |
| 50 | <p>GENERAL</p> | <p>Please provide detailed drawings of the drainage system</p> | <p>Annex D will be provided.</p> |
| 51 | <p>TECHNICAL SPECIFICATIONS ITEM 400</p> | <p>What is the hammer stop standard</p> | <p>Refer to Annex A Technical Specifications.</p> |
| 52 | <p>TECHNICAL SPECIFICATIONS ITEM 400</p> | <p>Is it possible to splicing piles on site?</p> | <p>Refer to Annex A Technical Specifications.</p> |
| 53 | <p>TECHNICAL SPECIFICATIONS ITEM 400</p> | <p>Is it necessary to do PDA and vertical compressive static load tests, and if so, in what quantities?</p> | <p>Refer to Annex A Technical Specifications. Also contractor shall submit Inspection and Test Plan subject for approval of and PNOG prior to commencement of work.</p> |

| 54 | TECHNICAL SPECIFICATIONS ITEM 400 | What should be done if the pile displacement exceeds 10cm? Did here have any requirement for the inclination of piles. | Refer to Annex A Technical Specifications. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|--------------------------|---------------------------|---|---|---|---|----------|-------|---|-------|---------------|-------|---|---------|---------------|-------|---|---------|---------------|-------|---|---------|-----------|-------|---|----------|-------------|-------|---|----------|--------------|-------|---|-------------|------------------|--------------|---|--------------------|------------------|--------------|---|------------|------------|--|--|--|-------------|--------------|---|-----------------|-------------|--------------|---|------------------|-------------------------------------|--------------|---|-------------|-----|--|--|--|-------------------|-------|---|-----|--------------------------------|-------|---|------|-------------------------------|-------|---|------|---------------------|-------|---|------------------|---------------------|-------|---|------------------|---------------|-------|---|---------|---------------------------|-------|---|--------|---------------------|--------------|---|-------------|------------------------|--------------|---|---------|-----------------|--|--|--|---|--------------|---|---------|----------------------------------|--------------|---|---------|---|--------------|---|-----------------------|--------------------------|--------------|---|--|--|--|
| 55 | TECHNICAL SPECIFICATIONS ITEM 400 | The requirement for a test pile is not seen, can the contractor assume that there is no need for a test pile? | Refer to Annn A Technical Specifications. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | TECHNICAL SPECIFICATIONS ITEM 101.2.4 & ITEM806.1 | According to the specifications, can it be considered that both concrete blocks after break into pieces and stones can be reused for filling. | It can be reused for filling if the said concrete blocks are acceptable per requirement indicated in the Technical Specifications. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | TECHNICAL SPECIFICATIONS ITEM 311.3.2 5. Forms Forms shall be of steel, of an approved section, and of depth equal to the thickness of the pavement at the edge. The base of the forms shall be of sufficient width to provide necessary stability in all direction. The flange braces must extend outward on the base to not less than 2/3 the height of the form All forms shall be rigidly supported on the bed thoroughly compacted material during the entire operation of placing and finishing the concrete. Forms shall be provided with adequate devices for secure setting so that when in place, they will withstand, without visible spring or settlement, the impact and vibration of the consolidation and finishing or paving equipment. | Do all concrete formwork require steel formwork? Can wooden molds be used for small components? | Annex A Technical Specifications shall be followed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | TECHNICAL SPECIFICATIONS ITEM 715.2 715.2 Physical and Chemical Requirements Fibers used in the manufacture of geotextiles and the threads used in joining geotextiles by sewing shall consist of long-chain synthetic polymers composed of at least 85% by mass polyolefins, polyesters or polyamids. They shall be formed into a network such that the filaments or yarns retain dimensional stability relative to each other, including selvedge. These materials shall conform to the physical requirements of Table 1 or the Specification for the intended application.  | Table 1 not provided in Specification, is it Table 1 for DPWH ITEM 715? | Yes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | Bill of Quantities (Bill No. 8.01.19) <table border="1" data-bbox="199 1231 850 1261"> <tr> <td>8.01.19</td> <td>(100mmØ)</td> <td>each</td> <td>4.00</td> </tr> </table> | 8.01.19 | (100mmØ) | each | 4.00 | As per Bill of Quantities (Bill No. 8.01.19), Only 100 diameter information, please provide detailed information. | Stand Pipe Hydrant with Water Meter, Commercial Type,(100mmØ) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.01.19 | (100mmØ) | each | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | Section VI. SpecificationsIII. EQUIPMENT REQUIREMENTS <table border="1" data-bbox="388 1350 714 1765"> <thead> <tr> <th>Construction Equipment</th> <th>Required Contractor's Equipment Ownership</th> <th>Required Number of Units</th> <th>Minimum Capacity per Unit</th> </tr> </thead> <tbody> <tr><td>Crane Barge</td><td>Owned</td><td>1</td><td>Non-propelled barge DWT=450 Tons with mechanically operated crane 80T</td></tr> <tr><td>Tag Boat</td><td>Owned</td><td>1</td><td>350HP</td></tr> <tr><td>Crawler Crane</td><td>Owned</td><td>1</td><td>30 Tons</td></tr> <tr><td>Crawler Crane</td><td>Owned</td><td>2</td><td>40 Tons</td></tr> <tr><td>Crawler Crane</td><td>Owned</td><td>1</td><td>50 Tons</td></tr> <tr><td>Churnmill</td><td>Owned</td><td>2</td><td>3.5 cu m</td></tr> <tr><td>Drop Hammer</td><td>Owned</td><td>2</td><td>2.5 Tons</td></tr> <tr><td>Drift Hammer</td><td>Owned</td><td>1</td><td>10,500 kg-m</td></tr> <tr><td>Blackhoe Crowler</td><td>Owned/Leased</td><td>4</td><td>24.8 HP, 0.75 cu m</td></tr> <tr><td>Blackhoe Breaker</td><td>Owned/Leased</td><td>2</td><td>6-inches ø</td></tr> <tr><td>Attachment</td><td></td><td></td><td></td></tr> <tr><td>Play loader</td><td>Owned/Leased</td><td>3</td><td>1.5 cu m, 173HP</td></tr> <tr><td>Dump Trucks</td><td>Owned/Leased</td><td>2</td><td>20 cu m capacity</td></tr> <tr><td>Concrete Pumps (Pumpcrete) Elephant</td><td>Owned/Leased</td><td>1</td><td>95 cu m/ hr</td></tr> <tr><td>Tag</td><td></td><td></td><td></td></tr> <tr><td>Concrete Vibrator</td><td>Owned</td><td>4</td><td>5HP</td></tr> <tr><td>Cutting Offbit and Accessories</td><td>Owned</td><td>2</td><td>None</td></tr> <tr><td>Lighting System/ Tower Lights</td><td>Owned</td><td>2</td><td>None</td></tr> <tr><td>Electric Bar Cutter</td><td>Owned</td><td>4</td><td>10mm ø to 50mm ø</td></tr> <tr><td>Electric Bar Bender</td><td>Owned</td><td>4</td><td>10mm ø to 50mm ø</td></tr> <tr><td>Generator Set</td><td>Owned</td><td>4</td><td>11.5kVA</td></tr> <tr><td>Portable Concrete Breaker</td><td>Owned</td><td>4</td><td>80 lbs</td></tr> <tr><td>Truck Mounted Crane</td><td>Owned/Leased</td><td>2</td><td>2 to 5 Tons</td></tr> <tr><td>Truck Crane, Hydraulic</td><td>Owned/Leased</td><td>2</td><td>40 Tons</td></tr> <tr><td>Telescopic Boom</td><td></td><td></td><td></td></tr> <tr><td>Truck Crane, Hydraulic, Telescopic Boom</td><td>Owned/Leased</td><td>2</td><td>45 Tons</td></tr> <tr><td>Truck Tractor w/ Low Bed Trailer</td><td>Owned/Leased</td><td>1</td><td>45 Tons</td></tr> <tr><td>Driver, Pile Vibratory Hydraulic Driven</td><td>Owned/Leased</td><td>2</td><td>45,000 kg-m, 272.22HP</td></tr> <tr><td>Vibratory Hammer for SHP</td><td>Owned/Leased</td><td>1</td><td>Motor Power: 90KW Eccentric Moment: 460 Nm</td></tr> </tbody> </table> | Construction Equipment | Required Contractor's Equipment Ownership | Required Number of Units | Minimum Capacity per Unit | Crane Barge | Owned | 1 | Non-propelled barge DWT=450 Tons with mechanically operated crane 80T | Tag Boat | Owned | 1 | 350HP | Crawler Crane | Owned | 1 | 30 Tons | Crawler Crane | Owned | 2 | 40 Tons | Crawler Crane | Owned | 1 | 50 Tons | Churnmill | Owned | 2 | 3.5 cu m | Drop Hammer | Owned | 2 | 2.5 Tons | Drift Hammer | Owned | 1 | 10,500 kg-m | Blackhoe Crowler | Owned/Leased | 4 | 24.8 HP, 0.75 cu m | Blackhoe Breaker | Owned/Leased | 2 | 6-inches ø | Attachment | | | | Play loader | Owned/Leased | 3 | 1.5 cu m, 173HP | Dump Trucks | Owned/Leased | 2 | 20 cu m capacity | Concrete Pumps (Pumpcrete) Elephant | Owned/Leased | 1 | 95 cu m/ hr | Tag | | | | Concrete Vibrator | Owned | 4 | 5HP | Cutting Offbit and Accessories | Owned | 2 | None | Lighting System/ Tower Lights | Owned | 2 | None | Electric Bar Cutter | Owned | 4 | 10mm ø to 50mm ø | Electric Bar Bender | Owned | 4 | 10mm ø to 50mm ø | Generator Set | Owned | 4 | 11.5kVA | Portable Concrete Breaker | Owned | 4 | 80 lbs | Truck Mounted Crane | Owned/Leased | 2 | 2 to 5 Tons | Truck Crane, Hydraulic | Owned/Leased | 2 | 40 Tons | Telescopic Boom | | | | Truck Crane, Hydraulic, Telescopic Boom | Owned/Leased | 2 | 45 Tons | Truck Tractor w/ Low Bed Trailer | Owned/Leased | 1 | 45 Tons | Driver, Pile Vibratory Hydraulic Driven | Owned/Leased | 2 | 45,000 kg-m, 272.22HP | Vibratory Hammer for SHP | Owned/Leased | 1 | Motor Power: 90KW Eccentric Moment: 460 Nm | Can the contractor configure equipment according to their own equipment without following the requirements of the equipment list while meeting construction needs. | The listed are minimum equipment requirements. The Contractor shall comply the minimum equipment requirements. |
| Construction Equipment | Required Contractor's Equipment Ownership | Required Number of Units | Minimum Capacity per Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crane Barge | Owned | 1 | Non-propelled barge DWT=450 Tons with mechanically operated crane 80T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Boat | Owned | 1 | 350HP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crawler Crane | Owned | 1 | 30 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crawler Crane | Owned | 2 | 40 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crawler Crane | Owned | 1 | 50 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Churnmill | Owned | 2 | 3.5 cu m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drop Hammer | Owned | 2 | 2.5 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drift Hammer | Owned | 1 | 10,500 kg-m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackhoe Crowler | Owned/Leased | 4 | 24.8 HP, 0.75 cu m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackhoe Breaker | Owned/Leased | 2 | 6-inches ø | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attachment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Play loader | Owned/Leased | 3 | 1.5 cu m, 173HP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dump Trucks | Owned/Leased | 2 | 20 cu m capacity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Concrete Pumps (Pumpcrete) Elephant | Owned/Leased | 1 | 95 cu m/ hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Concrete Vibrator | Owned | 4 | 5HP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cutting Offbit and Accessories | Owned | 2 | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lighting System/ Tower Lights | Owned | 2 | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electric Bar Cutter | Owned | 4 | 10mm ø to 50mm ø | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electric Bar Bender | Owned | 4 | 10mm ø to 50mm ø | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generator Set | Owned | 4 | 11.5kVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portable Concrete Breaker | Owned | 4 | 80 lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Truck Mounted Crane | Owned/Leased | 2 | 2 to 5 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Truck Crane, Hydraulic | Owned/Leased | 2 | 40 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telescopic Boom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Truck Crane, Hydraulic, Telescopic Boom | Owned/Leased | 2 | 45 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Truck Tractor w/ Low Bed Trailer | Owned/Leased | 1 | 45 Tons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Driver, Pile Vibratory Hydraulic Driven | Owned/Leased | 2 | 45,000 kg-m, 272.22HP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vibratory Hammer for SHP | Owned/Leased | 1 | Motor Power: 90KW Eccentric Moment: 460 Nm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | GENERAL | Can you please provide the information of existing piles used at PNOC's triangular wharf and phase IV wharf, including length and diameter etc.?Because the geological conditions here are similar to the area to be constructed. | No. Geotechnical study already conducted by Consultant. The Contractor shall verify actual condition on site prior to commencement of work. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 |  | Can the contractor design the structure of the wharf in the form of prefabricated slab +LONGITUDINAL BEAM, TRANSVERSE BEAM cast-in-place | Refer to Annex A Technical Specifications. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | GENERAL | What about the settlement and displacement of the wharf | Refer to Annex A Technical Specifications. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Project Name: The Construction of New Pier (ESB Port Development Option 1 – Scheme B)

EMPLOYER: Philippine National Oil Company (PNOC)
 ENGINEER:
 Bidder: CHEC CONSTRUCTION PHILS CORP
 16/05/2023

Tender Query and Response List :

| Seq. Number | Reference | Tender Queries | Reply to Queries | | | | | | | | | | |
|-------------|---|---|--|-----------|--|------|-----------|---|-----|---|------|--------|--|
| 1 | GENERAL | Can the phases II marginal wharf be used by contractors during construction? | The Contractor shall refer to Annex D for the designated Lay down Area for the Contractor. However, after completion of construction of Phase II Marginal Wharf, the marginal will be operational while Triangular Pier will be closed for construction of main wharf. | | | | | | | | | | |
| 2 | GENERAL | Are there oil storage tanks which can be used to refuel by contractors on site ? If yes ,what is the standard of charge? | None. | | | | | | | | | | |
| 3 | GENERAL | For some components, the contractor need to design shopdrawing, how much authority does the contractor have to design shopdrawing? | All shop drawings to be submitted by the Contractor shall be subject for approval of the PNOC. | | | | | | | | | | |
| 4 | CW21.  | Can the contractor use the prefabricated panel& cast-in-place beam method scheme? | The Contractor shall refer to Annex A Technical Specification. | | | | | | | | | | |
| 5 | CW21.  | The bar spaced of longitudinal and transverse beam is too dense, can the contractor adjust the bar spaced while unchanging the quantity ? | Yes. The Contractor shall submit methodology statement subject for approval of PNOC prior to commence of work. | | | | | | | | | | |
| 6 | TECHNICAL SPECIFICATIONS ITEM 404 – REINFORCING STEEL | Can steel bars be welded? | Refer to standards cited in item 404. | | | | | | | | | | |
| 7 | Plans & Drawings (Key Plan) Set No.CW 05/34 Sheet No. 19/63  | In Reference with Bill of Quantities (Bill No. 2, 2.06 - Phase II Marginal Area) Please to provide detailed drawing & specification of steel walling. <table border="1" data-bbox="882 1454 1428 1513"> <tr> <td>2.06</td> <td>1503 (15)</td> <td>Supply, fabricate and install steel walling including plates, bolts, nuts, washers and accessories</td> <td>kg.</td> <td>27,493.00</td> </tr> </table> | 2.06 | 1503 (15) | Supply, fabricate and install steel walling including plates, bolts, nuts, washers and accessories | kg. | 27,493.00 | Refer to Annex A Technical Specifications and Annex C Approved Shop drawings. | | | | | |
| 2.06 | 1503 (15) | Supply, fabricate and install steel walling including plates, bolts, nuts, washers and accessories | kg. | 27,493.00 | | | | | | | | | |
| 8 | Plans & Drawings | In Reference with Bill of Quantities (Bill No.2.2.22 & 2.23 - Phase II Marginal Area) Please clarify the same description & quantities. <table border="1" data-bbox="882 1751 1428 1840"> <tr> <td>2.22</td> <td>405</td> <td>Supply, deliver concrete block (CB-1,CB-2A,CB-2B,CB-3)</td> <td>cu m</td> <td>258.00</td> </tr> <tr> <td>2.23</td> <td>405</td> <td>Installation of concrete blocks (CB-1,CB-2A,CB-2B,CB-3)</td> <td>cu m</td> <td>258.00</td> </tr> </table> | 2.22 | 405 | Supply, deliver concrete block (CB-1,CB-2A,CB-2B,CB-3) | cu m | 258.00 | 2.23 | 405 | Installation of concrete blocks (CB-1,CB-2A,CB-2B,CB-3) | cu m | 258.00 | Item 2.22 is Supply and Delivery. Item 2.23 is Installation. |
| 2.22 | 405 | Supply, deliver concrete block (CB-1,CB-2A,CB-2B,CB-3) | cu m | 258.00 | | | | | | | | | |
| 2.23 | 405 | Installation of concrete blocks (CB-1,CB-2A,CB-2B,CB-3) | cu m | 258.00 | | | | | | | | | |
| 9 | Plans & Drawings reference Set no. CW.04/31, 18/63 & Sheet no. CW.06/34, 20/63  | In Reference with Bill of Quantities (Bill No.2 - Phase II Marginal Area) Roro Wing Wall & Roro Ramp are not included to BOQ | Items were included in Bill No. 2 Phase II Marginal Area. | | | | | | | | | | |
| 10 | | In Reference with Bill of Quantities: Please clarify formworks are included the reinforced concrete structures? | Refer to Annex A Technical Specifications. | | | | | | | | | | |
| 11 | | Please confirm no testing requirement for SPP, such as static load test, PDA test. | Refer to Annex A Technical Specifications. | | | | | | | | | | |
| 12 | | Please confirm whether the sand and gravel fill for Marginal Area need ground improvement. | Refer to Annex A Technical Specifications. | | | | | | | | | | |
| 13 | | Could you kindly provide the safety level of 50-100kg rock,sand and gravel backfilling for Marginal area without tie rod installation? | Contractor shall submit construction methodology and safety program subject for approval of PNOC prior to commencement or work. | | | | | | | | | | |