



**PEA TOLLWAY CORPORATION**  
 A Subsidiary Of The  
**PHILIPPINE RECLAMATION AUTHORITY**  
 Operators Of The  
**MANILA – CAVITE Toll Expressway**

## Supplemental Bid Bulletin No. 1

This Supplemental Bid Bulletin No. 1 is being issued to amend Section 7 (Technical Specifications) of the Bid Documents to the procurement of One (1) unit Road Sweeper (MCTEP-SF2016-004) to read as follows:

<b>SECTION 7 - TECHNICAL SPECIFICATIONS</b>	
<b>ORIGINAL</b>	<b>AMENDED</b>
<p><b>A. TECHNICAL SPECIFICATION REQUIREMENTS</b></p> <p>1. a. Make/Model:            b. Year Model: Manufacturer’s current model            c. Country of Origin:</p> <p>2. SPECIFIC REQUIREMENTS            a. Gross Vehicle Weight, (min) – 14,000 kg            b. Hopper Capacity, (min) – 6.0 m<sup>3</sup>            c. Left Hand Drive</p> <p>3. ENGINE            a. Make and Model            b. Diesel fed, 6 cylinder, in-line direct injection type, Turbo charged            c. Minimum Output, - 157 KW (210 HP)            d. Emission compliant (min) – EUROIII or equivalent            e. Fuel Tank Capacity, (min) – 150 ltrs.</p> <p>4. TRANSMISSION/CLUTCH/BRAKE/STEERING            a. Minimum Speed – 6 Forward, 1- Reverse Manually Operated            b. Minimum Gradeability, percent(%) – 35            c. Hydraulic, dry single plate with cushioning spring            d. Air-over hydraulic, dual circuit service brake or full air brake            e. Mechanical internal expanding type acting on transmission shaft-parking brake or equivalent</p>	<p><b>A. TECHNICAL SPECIFICATION REQUIREMENTS</b></p> <p>1. a. Make/Model:            b. Year Model: Manufacturer’s current model            c. Country of Origin:</p> <p>2. SPECIFIC REQUIREMENTS            a. Gross Vehicle Weight, (min) – <b><u>8,500 kg</u></b>            b. Hopper Capacity, (min) – <b><u>3.4 m<sup>3</sup></u></b>            c. Left Hand Drive</p> <p>3. ENGINE            a. Make and Model            b. Diesel fed, (min) <b><u>4</u></b> cylinder, in-line direct injection type, Turbo charged            c. Minimum Output, - <b><u>89 KW (119 HP)</u></b>            d. Emission compliant (min) – EUROIII or equivalent            e. Fuel Tank Capacity, (min) – <b><u>100 ltrs.</u></b></p> <p>4. TRANSMISSION/CLUTCH/BRAKE/STEERING            a. Minimum Speed – <b><u>5</u></b> Forward, 1- Reverse Manually Operated            b. Minimum Gradeability, percent(%) – <b><u>29</u></b>            c. Air-over hydraulic, dual circuit service brake or full air brake            d. Power Steering</p>

<p>f. Power Steering</p> <p>5. AXLE/SUSPENSION</p> <ul style="list-style-type: none"> <li>a. Front – I-beam minimum axle capacity, kg. – 4000</li> <li>b. Rear – Full floating minimum axle capacity, kg. – 10,000</li> <li>c. Semi-elliptical leaf spring with double acting heavy duty telescopic shock absorber at front</li> <li>d. Semi-elliptical main leaf spring with auxiliary leaf spring</li> </ul> <p>6. WHEEL AND TIRE</p> <ul style="list-style-type: none"> <li>a. Size: 10.00 x 20 – 14 PR, All terrain</li> <li>b. Minimum: 8 – Studs disc wheel</li> <li>c. Spare tire with rim, carrier w/ padlock</li> </ul> <p>7. CAB AND INTERIOR</p> <ul style="list-style-type: none"> <li>a. All weather cab, dual entry w/ safety glass window</li> <li>b. AM/FM Radio, Sun Visor, Side Mirror (L&amp;R)</li> <li>c. Driver and Co-Driver’s Seat Belt</li> <li>d. Air Conditioning System</li> <li>e. Supplied with beacon warning light</li> <li>f. Supplied with 2 kgs. Fire Extinguisher with holder mounted inside the cab</li> </ul> <p>8. SERVICE REFILL CAPACITIES</p> <ul style="list-style-type: none"> <li>a. Cooling System, liters</li> <li>b. Engine Oil, liters</li> <li>c. Hydraulic System, liters</li> <li>d. Axle (Front and Rear ), liters</li> <li>e. Transmission, liters</li> </ul> <p>9. SWEEPER ENGINE</p> <ul style="list-style-type: none"> <li>a. Make and Model</li> <li>b. Diesel fed, 6 cylinder, in-line direct injection type, turbo charged</li> <li>c. Engine Output, BHP (min) – 125</li> <li>d. Emission Compliant,(min) – EURO III or equivalent</li> <li>e. Fuel Consumption, liters/hr</li> <li>f. Instruments to include: Tachometer, voltmeter, temperature and oil pressure gauge, hour meter</li> <li>g. Equipped with automatic engine shutdown for Higher Temperature, low oil pressure and</li> </ul>	<p>5. AXLE/SUSPENSION</p> <ul style="list-style-type: none"> <li>a. Front – I-beam minimum axle capacity, kg. – <b>1610</b></li> <li>b. Rear – Full floating minimum axle capacity, kg. – <b>860</b></li> <li>c. Semi-elliptical leaf spring with double acting heavy duty telescopic shock absorber at front</li> <li>d. Semi-elliptical main leaf spring with auxiliary leaf spring</li> </ul> <p>6. WHEEL AND TIRE</p> <ul style="list-style-type: none"> <li>a. Size: <b>8.25 x 16 14 PR</b></li> <li>b. Spare tire with rim, carrier w/ padlock</li> </ul> <p>7. CAB AND INTERIOR</p> <ul style="list-style-type: none"> <li>a. All weather cab, dual entry w/ safety glass window</li> <li>b. AM/FM Radio, Sun Visor, Side Mirror (L&amp;R)</li> <li>c. Driver and Co-Driver’s Seat Belt</li> <li>d. Air Conditioning System</li> <li>e. Supplied with beacon warning light</li> <li>f. Supplied with 2 kgs. Fire Extinguisher with holder mounted inside the cab</li> </ul> <p>8. SERVICE REFILL CAPACITIES</p> <p>9. SWEEPER ENGINE</p> <ul style="list-style-type: none"> <li>a. Make and Model</li> <li>b. Diesel fed, turbo charged</li> <li>c. Engine Output, BHP (min) – <b>74</b></li> <li>d. Instruments to include: Tachometer, voltmeter, temperature and oil pressure gauge, hour meter</li> <li>e. Equipped with automatic engine shutdown for Higher Temperature, low oil pressure and lower water level</li> </ul>
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<p>lower water level</p> <p>10. ELECTRICAL SYSTEM</p> <ul style="list-style-type: none"> <li>a. Complete 12 volt electrical system</li> <li>b. Alternator amperage, Amp (min) – 100</li> </ul> <p>11. BLOWER</p> <ul style="list-style-type: none"> <li>a. Unit shall include heavy duty blower</li> </ul> <p>12. SIDE BROOMS</p> <ul style="list-style-type: none"> <li>a. Equipped with 2 side brooms</li> <li>b. Boom Diameter, inch (min) – 36</li> <li>c. Located forward of debris pick up head</li> <li>d. Operated from Control Panel, hydraulically raised, lowered and driven</li> <li>e. Power tilt brooms on both side controlled inside the cab</li> </ul> <p>13. PICK UP HEAD</p> <ul style="list-style-type: none"> <li>a. Head Area, sq.i.n (min) – 2000</li> <li>b. Operating direction – Forward and Reverse</li> <li>c. Pressure and Suction hose Diameter, inch (min) – 14</li> <li>d. Hose length, inch (min) – 80</li> <li>e. Hose construction – 3/8” (min) wire reinforced molded rubber</li> <li>f. For safety, head must automatically raised when truck is place in reverse</li> </ul> <p>14. HOPPER</p> <ul style="list-style-type: none"> <li>a. Dump Angle, degree (min) – 45</li> <li>b. Hopper door hydraulically opened/closed, locked/unlocked within cab</li> <li>c. Equipped with hopper load indicator, and inspection doors on each side</li> </ul> <p>15. HYDRAULIC SYSTEM</p> <ul style="list-style-type: none"> <li>a. Complete with all pumps for driving pick-up head, gutter brooms and for operation of lift function and steering</li> </ul> <p>16. DUST CONTROL SYSTEM</p> <ul style="list-style-type: none"> <li>a. Tank capacity, gal (min) – 250</li> <li>b. Equipped with 200 mesh cleanable filter</li> <li>c. Shall have 2 nozzles on each broom</li> <li>d. Four (4) around suction head and one (1) inside suction nozzle</li> </ul>	<p>10. ELECTRICAL SYSTEM</p> <ul style="list-style-type: none"> <li>a. Complete 12 volt electrical system</li> <li>b. Alternator amperage, Amp (min) – <b><u>80</u></b></li> </ul> <p>11. BLOWER</p> <ul style="list-style-type: none"> <li>a. Unit shall include <b><u>whisper wheel fan</u></b></li> </ul> <p>12. SIDE BROOMS</p> <ul style="list-style-type: none"> <li>a. Equipped with 2 side brooms</li> <li>b. Boom Diameter, inch (min) – <b><u>39</u></b></li> <li>c. Located forward of debris pick up head</li> <li>d. Operated from Control Panel, hydraulically raised, lowered and driven</li> <li>e. <b><u>Construction - steel</u></b></li> </ul> <p>13. PICK UP HEAD</p> <ul style="list-style-type: none"> <li>a. Head Area, sq.i.n (min) – 2000</li> <li>b. Operating direction – Forward and Reverse</li> <li>c. Pressure and Suction hose Diameter, inch (min) – <b><u>12</u></b></li> <li>d. Hose construction – 3/8” (min) wire reinforced molded rubber</li> <li>e. For safety, head must automatically raise when truck is place in reverse</li> </ul> <p>14. HOPPER</p> <ul style="list-style-type: none"> <li>a. Dump Angle, degree (min) – <b><u>88</u></b></li> <li>b. Hopper door hydraulically opened/closed, locked/unlocked within cab</li> <li>c. <b><u>Inspection doors on each side</u></b></li> </ul> <p>15. HYDRAULIC SYSTEM</p> <ul style="list-style-type: none"> <li>a. Complete with all pumps for driving pick-up head, gutter brooms and for operation of lift function and steering</li> </ul> <p>16. DUST CONTROL SYSTEM</p> <ul style="list-style-type: none"> <li>a. Tank capacity, gal (min) – <b><u>130</u></b></li> <li>b. Equipped with 200 mesh cleanable filter</li> <li>c. Shall have 2 nozzles on each broom</li> </ul>
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17. MATERIAL QUALITY

a. Material quality for the truck chassis shall be not be less than SAE J2340 490 XF, JIS SPFH540 or equivalent with Yield Strength (min) – 355 Mpa and Tensile Strength (min) – 540 Mpa

**B. OTHER REQUIREMENTS**

1. PAINT AND MANUALS

a. Two (2) coats primer lead and final coat white with PEATC Cavitex logo sticker

b. One (1) set for service/maintenance, operator’s manual and parts catalog plus additional 3 sets

2. WARRANTY

a. Two (2) years warranty or 100,000 km certificate shall be submitted

b. Guarantee certificate (from the bidder and/or the manufacturer) for 7 – years for the supply of spare parts and components shall be submitted

3. TRAINING

a. A formal training for operators and technicians of not less than four (4) days on the proper operation and maintenance of the equipment shall be conducted

b. Proposed training plan for the maintenance and operation of the equipment shall be submitted

c. Proposed 3- year annual maintenance plan for the equipment shall be submitted

4. CERTIFICATION

Submit the following certificates (including their translation to English, must be embassy or consulate certified if outside the Philippines):

a. Mill certificate for the under chassis with reference to SAE J2340 490 XF or JIS G3134 SPFH540, certified by a locally or internationally 3<sup>rd</sup> party material quality and testing organization

b. Emission Compliance Certificate with

d. Four (4) around suction head and one (1) inside suction nozzle

17. MATERIAL QUALITY

a. Material quality for the truck chassis shall be not be less than SAE J2340 490 XF, JIS SPFH540 or equivalent with Yield Strength (min) – 355 Mpa and Tensile Strength (min) – 540 Mpa

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c. Proposed 3- year annual maintenance plan for the equipment shall be submitted

4. CERTIFICATION

a. A duly notarized certification issued by at least two (2) clients as reflected in the list of completed contracts, that the company have a good track record of after sales service within the last five (5) years prior to the submission and opening of bids shall be submitted

<p>reference to ISO 1585 Road Vehicle Engine Test Code – Net Power or equivalent standard, SAE J1309 Travel Performance and Rating Procedure, Crawler Mounted Hydraulic Excavators, Material handlers, Knockled Boom Load Loaders and certain forestry equipment</p> <p>c. Engine Performance Test Certificate from a Third Party, with reference to SAE J1348 Engine Power Test Code – Spark Ignition and Compression Ignition net Power Rating</p> <p>d. International: SGS, Bureau Veritas, American Bureau of Shipping, Lloyd’s Register and other internationally recognized certifying bodies</p> <p>e. Local: DOST, MIRDC, DTI, UP Mining, Metallurgical and Material Science Engineering Department</p> <p>f. Certificate of Conformity issued by the Department of Environment and National Resources that the offered equipment type/model is a EURO III Compliant</p> <p>g. Certificate issued by MIRDC, that the mill certificate of the offered equipment was duly validated</p> <p>h. A duly notarized certification issued by at least two (2) clients as reflected in the list of completed contracts, that the company have a good track record of after sales service within the last five (5) years prior to the submission and opening of bids shall be submitted</p> <p>i. A duly notarized certification issued by the Department of Labor and Employment (DOLE) in accordance with DOLE Department Order no. 13, Series of 1998, Clause 10.1 (b) Commissioning – by the Authorized Representative</p>	<p>b. Certification / Authorization from manufacturer for the unit to be offered</p> <p>c. Certification of After Sales Support for Parts / Components to include After Sales Service Directory</p>
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This Supplemental Bid bulletin No.1 shall form part of the Bid Documents. Any provision in the Bid Documents inconsistent herewith is hereby amended, modified and superseded accordingly.

For guidance and information of all concerned.

Issued this 5<sup>th</sup> day of May 2016 in Paranaque City.

Approved by:

(SGD) JOLAN V. WEDINGCO

BAC Chairman