



Republic of the Philippines
Province of Cavite
BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN

Addendum No.: 6958414-03

**PURCHASE OF DIFFERENT CONSTRUCTION EQUIPMENT FOR USE IN
DISASTER PREPAREDNESS PROGRAM**

This addendum dated May 28, 2020 is issued to clarify, modify, or amend items in the Invitation To Bid. This shall form an integral part of the Bid Documents.

Issues	Clarifications/Amendments
➤ Revised Specifications	➤ Below are the revisions on the specifications of Construction Equipment for use in Disaster Preparedness Program in accordance with R.A. 9184 Section 18 "Reference to Brand Names" and as required by the end-user: Item 1: 1 unit Brand New Hydraulic Excavator <i>Revised specifications:</i> Bucket Capacity 0.60 – 0.70 cum Operating Weight: 16,680kg – 17,120kg Engine: Water-Cooled, 4-Cycle, Direct Injection Aspiration: Turbocharged, Aftercooled Number of Cylinders: 4 Bore: 107mm (minimum) Stroke: 124mm (minimum) Piston Displacement: 4.46ltr (max) Horsepower (gross): 121HP (max) Net (115HP) Rated RPM: 2200rpm (not less than) Fan Drive Method for Radiator Cooling: Mechanical Governor: All-speed control, electronic Hydraulics: Hydraumind System, closed center system with load-sensing valves and Pressure compensated valves Modes: 4 Main Pump Type: Variable displacement piston type Maximum Flow: 312ltrs/min (minimum)

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Control Circuit: self-reducing valve
Hydraulic motors:
Travel: 2xaxial piston motor with parking brake
Swing: 1 x axial piston motor with swing holding brake
Relief Valve Setting:
Implement Circuits: 37.3 Mpa 380kg/cm²
Travel Circuit: 37.3 Mpa 380kg/cm²
Swing Circuit: 28.4Mpa 295kg/cm²
Pilot Circuit: 3.2 Mpa 33kg/cm²
Drives and Breaks:
Steering control: 2 levers with pedals
Drive Method: Hydrostatic
Maximum Drawbar Pull: 156kN 15950kgf
Gradeability: 70% 35 degree (max)
Max Travel speed: high-5.5km/hr, low-3.4 km/hr (min)
Service Brake: Hydraulic lock
Parking Brake: Mechanical Disc Brake
Swing System:
Swing Reduction: Planetary gear
Swing circle lubrication: Grease Bathed
Holding brake/swing lock: Mechanical Disc Brake
Swing Speed: 12.0rpm
Undercarriage:
Center frame: x frame
Track frame: Box-section
Seal of Track: Sealed track
Track adjuster: Hydraulic
Number of Shoes: 44 each side
Number of carrier shoes: 2 each side
Number of track rollers: 7 each side
Coolant and Lubricant Capacity:
Fuel Tank: 280 ltr (max)
Coolant: 18.5 ltr (max)
Engine: 16.0 ltr (max)
Final Drive each side: 3.3 ltr (max)
Swing Drive: 4.5 ltr (max)
Hydraulic tank: 121 ltr (max)

Item 2: 1 unit Brand New Hydraulic Excavator

Revised specifications:

Bucket Capacity 0.50 – 0.65 cum
Operating Weight: 12,380kg – 12,740kg
Engine: Water-Cooled, 4-Cycle, Direct

Injection

Aspiration: Turbocharged, Aftercooled

Number of Cylinders: 4

Bore: 95mm (minimum)

Stroke: 115mm (minimum)

Piston Displacement: 3.26ltr (max)

**Horsepower (gross): 96.6HP (max) Net
(91.7HP)**

Rated RPM: 2200rpm (not less than)

**Fan Drive Method for Radiator Cooling:
Mechanical**

Governor: All-speed control, electronic

Hydraulics:

**Hydraumind System, closed center system
with load-sensing valves and**

Pressure compensated valves

Modes: 5

**Main Pump Type: Variable displacement
piston type**

Maximum Flow: 241.5ltrs/min (minimum)

Control Circuit: self-reducing valve

Hydraulic motors:

**Travel: 2xaxial piston motor with parking
brake**

**Swing: 1 x axial piston motor with swing
holding brake**

Relief Valve Setting:

Implement Circuits: 31.9 Mpa 325kg/cm²

Travel Circuit: 34.8 Mpa 355kg/cm²

Swing Circuit: 24.7Mpa 252kg/cm²

Pilot Circuit: 3.2 Mpa 33kg/cm²

Drives and Breaks:

Steering control: 2 levers with pedals

Drive Method: Hydrostatic

Maximum Drawbar Pull: 122.6kN 12500kgf

Gradeability: 70% 35 degree (max)

**Max Travel speed: high-5.5km/hr, low-2.9
km/hr (min)**

Service Brake: Hydraulic lock

Parking Brake: Mechanical Disc Brake

Swing System:

Swing Reduction: Planetary gear

Swing circle lubrication: Grease Bathed

**Holding brake/swing lock: Mechanical Disc
Brake**

Swing Speed: 11.0rpm

Undercarriage:

Center frame: x frame

Track frame: Box-section

Seal of Track: Sealed track

Track adjuster: Hydraulic
Number of Shoes: 43 each side
Number of carrier shoes: 1 each side
Number of track rollers: 7 each side
Coolant and Lubricant Capacity:
Fuel Tank: 247 ltr (max)
Coolant: 13.9 ltr (max)
Engine: 11.5 ltr (max)
Final Drive each side: 2.1 ltr (max)
Swing Drive: 2.5 ltr (max)
Hydraulic tank: 90 ltr (max)

Item 4: 1 unit Brand New Motor Grader

Revised specifications:

Engine: Water-Cooled, 4-Cycle, Direct Injection
Aspiration: Turbocharged, and Air to Air Aftercooled
Number of Cylinders: 6
Bore: 107mm (minimum)
Stroke: 124mm (minimum)
Piston Displacement: 6.69ltr (max)
Horsepower (gross): 154HP (max) Net (145HP)
Maximum Torque: 67.1kgm/1450min
Torque Rise: 24%

Fan Speed: 1628 min (max)
Air Cleaner: 2 stage, dry type

Transmission and Torque Converter:

Gear	Forward	Reverse
1 st	4.3km/hr	4.8km/hr
2 nd	6.1km/hr	9.4km/hr
3 rd	8.2km/hr	18.4km/hr
4 th	11.6km/hr	35.2km/hr
5 th	16.2km/hr	
6 th	22.7km/hr	
7 th	31.1km/hr	
8 th	43.4km/hr	

Tandem Drive:

Oscillating welded box section: 490mm x 203 mm

Side Wall thickness: Inner 22mm, outer 19mm

Wheel axle spacing: 1525 mm

Tandem oscillation: 11deg forward, 13deg rev

Front Axle:

Type: Solid Bar construction welded steel sections

Ground Clearance at Pivot: 600mm


Wheel lean angle, right or left : 16 deg
Oscillation, total: 32deg
Rear Axle:
Alloy steel, heat treated, full floating axle
Lock/unlock differential optional
Steering:
Hydraulic Power steering providing stopped engine steering
Minimum turning radius: 7.0m
Maximum steering range, right or left: 49deg
Articulation: 25deg
Brakes:
Service Break: Foot operated, wet multiple disc brakes
Hydraulically actuated on four tandem wheels
Parking Break: Manually actuated, spring applied,
Hydraulically released caliper disc type
Frame:
Front Frame Structure:
Height-300mm
Width-280mm
Side- 22mm
Upper,lower-28mm
Drawbar:
A-shaped, welded construction for maximum strength
With a replaceable drawball bar
Drawbar frame: 2200 mm x 16 mm
Circle:
Single piece rolled ring forging. Four circle support shoes with
Replaceable wear plates
Diameter outside: 1410mm
Circle reversing control hydraulic rotation: 360deg
Blade Range:
Moldboard side shift: right - 1050mm, left- 970mm
Maximum shoulder reach outside rear tires: right-1990mm, left-1920mm
Maximum lift above ground: 500mm
Maximum cutting depth: 545mm
Maximum blade angle, right or left: 90deg
Blade tip angle: 40deg forward, 3deg backward

<p>➤ Additional Information/ Requirements</p>	<p>➤ WARRANTY: THREE YEARS OR 6000 HOURS WHICHEVER COMES FIRST. FREE PARTS AND LABOR FOR PREVENTIVE MAINTANANCE SERVICING MINOR REPAIRS AS SPECIFIED IN THE WORRY FREE CONTRACT. PERIODIC MAINTENANCE INTERVAL (EVERY 500 HRS)</p> <p>NOTE:</p> <ol style="list-style-type: none"> 1. Free operator training 2. The bidder should be in the industry for at least twenty (20) years prior to the bid opening. 3. The brand and make being offered should have been in the Philippine market for at least 25 years. 4. The brand and model to be offered by the bidder should be the same in their completed projects submitted for at least five(5) years. 5. After sales service and parts must be available. 6. The Bidder shall bid for the entire lot. Bid for selected item/s only will be disqualified.
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Reminders:

- ✓ Deadline for submission of Bids is on June 10, 2020 at 1:30 P.M.
- ✓ Bid Opening is on same date at 2:00 P.M.
- ✓ Late bids shall not be accepted

For information and guidelines of all concerned.


RENATO A. ABUTAN
 Chairman, Bids and Awards Committee-A