

### OFFICE EQUIPMENT FOR USE OF THE PPA ENGINEER AND STAFF

The Contractor shall provide within thirty (30) days after notice to commence work, the following main items of brand new office equipment for use of the Engineer and his staff. The Contractor shall make available for use of the Engineer other equipment as may be necessary for the proper functioning of the office. The equipment shall be the property of PPA. Operation and maintenance shall be borne by PPA.

2	sets	Jr. Executive Table, 1.5 x 0.70m with chair
1	set	Wooden Conference Table with chair, 6 seater
3	pcs.	Single Bank Beds with Mattress and Beddings
2	pcs.	Waste Paper Basket
1	pcs.	Calculator, Scientific (12 digits)
1	pc.	Communication System
1	pc.	Steel Filing Cabinet, 4 drawers
3	units	Air-conditioning Unit, 1.0hp. window type
1	unit	Refrigerator, 6 cu. ft.
1	set	Gas Stove, 2 burner with tank
1	unit	Hot and Cold water dispenser, 5 gal. capacity
1	pc.	White Board with eraser and marker
1	unit	Stand Fan, 16" Φ

### COMPUTER SYSTEM

The Contractor shall provide within thirty (30) days after notice to commence work, **one (1)** "Brand New" Laptop Unit or "Desk Top", complete with Printer, accessories and licensed softwares for the use of the PPA Engineer and his Staff at the start of the project. The items shall be the property of PPA. Operation and maintenance shall be borne by PPA.

Description / Specifications:	LAPTOP UNIT	DESK TOP UNIT
Brand/Model	ASUS, ACER or branded equivalent	IBM, ACER, HP PAVILLION or branded equivalent
Processor	Intel ® Core i5-450	Intel Quad Core Processor (2.66 GHz or above), Chipset = Intel i7
System Memory	4.0Gb DDR3 1066 MHz SDRAM, Super Multi ODD, Card Reader, BlueTooth, 0.3MP webcam, HDMI port	DDR2 SDRAM PC - 533 Mhz, 4-GB
DRIVES	1.44MB 3.5" FDD/All in one Cardreader	
CD-ROM	20X DVDRW lightscribe – ROM Drive	
Graphics	nVidia® Geforce® 310M 1Gb graphics	Nvidia Geforce FX 5500 / (512 MB)
HDD	500Gb HDD	500 GB Seagate HDD SATA
Display	15.6 in. LED Display	19" LCD Color Monitor (widescreen) Samsung / LG
OS Bundled (Certification/License)	<b>Windows 7 Business Full Product</b> , Should includes Drivers and Recovery CD	
Office Software	MS Office 2007 Enterprise Edition, Should include media kit CD	
Anti-Virus Software	Symantec 11	

Power Management	ACPI - compliant	
System Compliance	PC 2001,NSTL Y2K, Energy Star, ISO 9001, ISO 14001, BVQi	
EMI Certification	FCC, CE, C - tick, BSMI	
Safety Certification	CB, UL, CUL/CSA, CCEE, CCIB, Nemko, B-Mark, TUV/GS	
Printer	K7100 or equivalent, A3 capable	
I/O Interface	-	4-USB, 1-Parallel, 2-Serial, 2-Mic-in Jacks, 2-PS/2, 1-RJ-45, 1-Line-in Jack, 1-Line-out Jack, 1-Headphone Jack, 1-MIDI
I/O Expansion	-	1-AGP, 3-PCI
Audio	-	Embedded AC '97 3D PCI Audio w/ 16 bit Sound Blaster Compatibility
Speakers	-	External Speaker
Keyboard	-	USB Keyboard w/ Internet & email Access keys, Audio/Video controls, Volume dial & mute, Suspend / resume button
Mouse	-	USB Scroll Mouse w/ Pad / Optical Mouse
UPS	-	A1 PLUS 700, Input : 230V, 50/60 Hz., 4.04 A Output : 230V, 50/60 Hz., 3.04 A Watts/VA : 462W/700VA
Table	-	Computer Table
Chair	-	Computer Chair

### DIGITAL CAMERA / VIDEO CAMERA

The Contractor shall provide within thirty (30) days after notice to commence work, **one (1) unit** "Brand New" Digital Camera/Video Camera for use of the PPA Engineer and staff. The unit shall be the property of PPA. Operation and maintenance shall be borne by PPA

The Camera shall be a 14.2 Megapixel APS HD CMOS Sensor Digital Camera with 3D Sweep Panorama (on firmware update), Interchangeable lens Camera (E-mount) (18 - 55mm lens), True HD Movie Recording. Internal memory should be 4 GB to be included also a 4 GB memory card. The Video Camera shall be 120GB Disk Drive, Exmor "R" CMOS Sensor and with 12 Mega Pixels still image capture with professional quality lenses.

### SERVICE VEHICLE

The Contractor shall provide within thirty (30) days after notice to commence work, **one (1) unit** "Brand New" Transportation Service Vehicle for the use of the Engineer and staff. The vehicle to be provided by the Contractor shall be the satisfaction of the Engineer. The vehicle shall comply in all respect with all relevant national or local laws, statutes and regulations. The unit shall become the property of PPA. Operations and maintenance shall be borne by PPA.

The vehicle shall be a passenger van/Sports Utility Vehicle (SUV) with an engine displacement of not more than 3000cc, diesel-fed, and with an engine not exceeding 4 cylinders, or;

Multi-Purpose Vehicle (MPV) / Asian Utility Vehicle (AUV) with an engine displacement of not more than 2500cc, diesel-fed, with an engine not exceeding 4 cylinders.

**MINIMUM EQUIPMENT REQUIREMENTS**

- 1 unit Road Grader (125 hp., minimum), owned ✓
- 1 unit Road Roller (10 t, vibratory, minimum), owned ✓
- 1 unit Payloader (80 hp., minimum), owned/leased ✓
- 1 unit Backhoe (0.50 cu.m, 94 hp., minimum), owned/leased ✓
- 2 units Transit Mixer (5 cu.m, cap., minimum), owned/leased
- 1 unit Forklift (1.36 t, minimum), owned/leased
- 2 units Jackhammer, owned
- 1 unit Chipping Hammer, owned
- 2 units Plate Compactor, vibratory (5 hp., minimum), owned
- 1 unit Dump Truck (6.88 cu.m, minimum), owned
- 1 unit Water Truck with Pump (1,000 gal., minimum), owned
- 2 units Concrete Screeder, owned/leased
- 2 units Concrete Mixer (1 bagger, minimum), owned
- 2 units Concrete Vibrator (3.5 hp., minimum), owned
- 2 units Bar Cutter (electric, 25mm dia., minimum), owned
- 2 units Bar Bender (electric, 25mm dia., minimum), owned
- 1 unit Air Compressor (250 cfm, minimum), owned
- 1 unit Welding Machine (400 amp., minimum), owned
- 1 unit Oxy/Acetylene cutting outfit, owned

## CONSTRUCTION SAFETY AND HEALTH REQUIREMENTS

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements :

### LABOR

- |   |     |                           |
|---|-----|---------------------------|
| 1 | no. | Safety Engineer / Officer |
| 1 | no. | Nurse / Health Officer    |

### EQUIPMENT / MATERIALS

#### Personnel Protective Equipment

- |    |      |              |
|----|------|--------------|
| 40 | pcs. | Hard Hats    |
| 40 | pcs. | Gloves       |
| 40 | pcs. | Goggles      |
| 10 | pcs. | Aprons       |
| 10 | pcs. | Safety Belts |
| 40 | pcs. | Safety Shoes |

#### Safety Devices

- |   |      |                   |
|---|------|-------------------|
| 1 | lot  | Barricades        |
| 1 | lot  | Warning signs     |
| 2 | unit | Fire extinguisher |

Medical and First Aid System - For eight (8) mos.

### NOTE :

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.

