

INVITATION FOR BIDS (IFB)
INTERNATIONAL COMPETITIVE BIDDING

The Republic of Ghana
Ministry of Communications
e-Transform Project

PROCUREMENT OF FURNITURE AND EQUIPMENT FOR GHANA POST

Credit No IDA 5304-GH
IFB No: eTP/RComp/3.9.1

ADDENDUM 1

CLARIFICATIONS TO REQUESTS

Reference is made to the above invitation which was published on February 22, 2019. We wish to clarify request from bidders.

Procurement of ICT equipment (Various)-eTP/RComp/3.9.1d

NO.	REQUEST	CLARIFICATION	LOT
	Bid Submission Deadline	Bid Submission Deadline still remains Thursday, March 28, 2019 at 10:00 am in the Ministry of Communications Conference Room on the Sixth Floor.	
Page 68: Technical Specifications for Laptop	<ul style="list-style-type: none"> • You mentioned Monitor – 23” inch windscreen LCD with display port. • Do you need extra monitor with laptop? Kindly Clarify. • What is the exact laptop screen size? Kindly Clarify. 	<ul style="list-style-type: none"> - 15.6” Display for the Laptop, (i5) - NO extra monitor - 15.6” Display for the Laptop 	<u>1</u>
Page 68 : Technical Specifications on for Desktop	<ul style="list-style-type: none"> • Do you need a monitor? Kindly Clarify. • What is the desktop screen size required? Kindly Clarify. 	<ul style="list-style-type: none"> - Desktop screen size is 23” - i5 	<u>1</u>
Page 6 : Technical Specifications for Scanners	<ul style="list-style-type: none"> • You mentioned Flatbed Scanners. • What is the Exact Specification Required? Kindly Clarify. 	<p>Scanner type Flatbed, ADF</p> <p>Scan resolution, optical Up to 600 dpi (colour and monochrome, ADF); Up to 1200 dpi (colour and monochrome, flatbed)</p> <p>Media types Paper (banner, inkjet, photo, plain), envelopes, labels, cards (greeting, index)</p> <p>Scan file format For text and images: PDF, JPEG, PNG, BMP, TIFF, TXT(Text), RTF (Rich Text) and searchable PDF</p> <p>Scanner advanced features One pass duplex scanning; One button scan; OCR;</p> <p>Buttons including Sleep/Power button)</p>	<u>2</u>

NO.	REQUEST	CLARIFICATION	LOT
		<p>LEDs (including Power, Error, Scan to which destination and Simplex/Duplex)</p> <p>Compatible operating systems Windows 10, 8/8.1, 7 Mac compatible</p> <p>Connectivity Hi-Speed USB 2.0</p> <p>Power Input Voltage: 90 to 264 VAC, 50/60 Hz</p> <p>Operating temperature range 10 to 35°C</p>	
Page 6 : Reference for Project Sites:	<ul style="list-style-type: none"> You mentioned Different destination site for each item deliveries. Is the Bidder responsible for delivering Items to various Stations? Kindly Clarify. 	<u>Yes, all the Offices mentioned in the bidding document</u>	<u>1-3</u>
Page 70 : Specifications for CCTV Cameras	<ul style="list-style-type: none"> You mentioned Dome Camera, Switch and 2TB Hard Drive Storage. What is the type of switch required? Example: POE or Normal Switch. Kindly Clarify. How many port do your require for the switch? Kindly Clarify. Does your existing infrastructure have DVR? Kindly Clarify. What is the type or model of DVR in your existing infrastructure? Kindly Clarify. What are the quantities for the DVR, Hard Drive and switch for each site? 	<ul style="list-style-type: none"> - Yes, - switches should be at least 24 ports, - All switches support POE - Switches should have manageable interfaces - Yes, we have DVR - The DVR / MVR Hard Drive should have a storage of at least 2TB 	<u>3</u>

NO.	REQUEST	CLARIFICATION	LOT
	<p style="text-align: center;">Kindly Clarify</p>		
	<p>Missing specifications required as follows;</p> <ul style="list-style-type: none"> • Item no. 1: Printers – Color or Black& White 	<p>PRINTER</p> <p>Print speed black: Normal: Up to 38 ppm ¹⁴</p> <p>Print Resolution Technologies HP FastRes 1200, HP ProRes 1200, 600 dpi</p> <p>Print technology</p> <ul style="list-style-type: none"> • Laser <p>Processor speed 1200 MHz</p> <p>Print languages HP PCL 5, HP PCL 6, HP Postscript Level 3 emulation, direct PDF (v1.7) printing, URF, PCLM, PWG</p> <p>Display</p> <ul style="list-style-type: none"> • backlit LCD graphic display <p>Connectivity</p> <p>Mobile printing capability HP ePrint Apple AirPrint™ Mopria™-certified Google Cloud Print 2.0 Mobile Apps 1 Hi-Speed USB 2.0 1 Host USB</p> <p>Network ready Standard (built-in Gigabit Ethernet)</p> <ul style="list-style-type: none"> • Windows 10,8,7, (32 & 64-bit), <p>Memory specifications 128 MB DRAM; 128 MB NAND Flash</p>	<u>2</u>

NO.	REQUEST	CLARIFICATION	LOT
		<p>Paper handling</p> <p>100-sheet multipurpose Tray 1</p> <ul style="list-style-type: none"> • 250-sheet input Tray 2 • 150-sheet output bin <p>Duplex printing</p> <ul style="list-style-type: none"> • Tray 1: A4, A5, A6, A5-R, B5 (JIS), B6 (JIS), envelope B5, C5, DL, custom size • Tray 2 & Tray 3: A4, A5, A6, A5-R, B5 (JIS), B6 (JIS), custom size <p>Media types</p> <p>Paper (plain, EcoFFICIENT, light, heavy, bond, coloured, letterhead, preprinted, prepunched, recycled, rough), envelopes, labels, transparencies</p> <p>Power and operating requirements</p> <p>Input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)</p> <p>Operating temperature range 15 to 32.5°C</p>	
	<ul style="list-style-type: none"> • Item no. 2 : Photocopiers – Speed not mentioned , Color or Black & White, Automatic document scanner or Plain platen cover 	<p>Type Desktop or Free-standing, (Reader-Printer Combined) Maximum Original Size A3 Copy Sizes Cassette 1,3 and 4: A3, A4, A4R, A5R Custom size: 139.7 to 297mm x 182 to 432mm Cassette 2: A3, A4, A4R, A5R, Envelope (with optional</p>	

NO.	REQUEST	CLARIFICATION	LOT
		<p>Envelope Feeder Attachment-D1) Stack Bypass: A3, A4, A4R, A5R, Envelopes Custom size: 99 to 297mm x 148 to 432 mm Resolution Reading: 600dpi x 600dpi Copying: 600dpi x 600dpi Printing: 600dpi x 600dpi, 1200dpi x 1200dpi (UFR II-LT only) Number of Tones: 256 Gradations Copy/Print Speed A4:: 45ppm (BW) A3:: 22ppm (BW) Magnification Zoom: 25-400% Fixed: 25%, 50%, 70%, 100%, 141%, 200%, 400% None Interface Ethernet (100Base-TX/10Base-T), USB Host I/F 2.0 x 1 port, USB Device 1.0 x 1 port Power Supply 220-240V AC, 50/60Hz, 4.2A (45/35 ppm model), 220-240V AC, 50/60Hz, 3.3A (30/25/20 ppm model) Power Consumption 1.827kW (45/35ppm model), 1.345kW (30/25ppm), 1.542kW (20ppm model) Lot26 (http://www.canon-europe.com/For_Work/Lot26/index.aspx) NETWORK PRINTER KIT PDL UFR II-LT, PCL5e/6 (standard on i models, optional on non i</p>	

NO.	REQUEST	CLARIFICATION	LOT
		<p>models), Postscript level 3 emulation (optional)</p> <p>Resolution 600 x 600dpi, 1200dpi x 1200dpi (UFR II-LT only)</p> <p>Memory 512MB</p> <p>Supported OS PCL: Windows 2000/ XP/ Server 2003/ Vista/ Server 2008/ Windows 7 Postscript level 3 emulation: Windows 2000/ XP/ Server 2003/ Vista/ Server 2008/ Windows 7, Mac OS X (10.4 or later) UFR II-LT: Windows 2000/ XP/ Server 2003/ Vista/ Server 2008/ Windows 7, Mac OS X (10.4 or later), Linux Mac-PPD: Mac OS X 10.4 or later</p> <p>Interface Ethernet (100Base-TX/10Base-T)</p> <p>Network Protocol TCP/IP(LPD/ Port9100, HTTP), SMB, SNMP v1, WSD, IPv4/ IPv6 support</p> <p>Pull Scan Network TWAIN Driver (75/ 100/ 150/ 200/ 300dpi 8bit color / 75-600dpi 1bit Black & white)</p> <p>Document Scanning Speed Copy: 45ipm (A4, 600 x 600 dpi: BW) Scan: 45/34 ipm (A4, 600 x 600 dpi: BW / 300 x 300 dpi: Colour)</p> <p>CASSETTE UNIT CST. Feeding UNIT-AE1 for all models</p> <p>FINISHER</p>	

NO.	REQUEST	CLARIFICATION	LOT
		<p>Optional/Standard</p> <p>Optional Inner Finisher-B1 for all models</p> <p>Number of Trays</p> <p>One stack tray (Optional 2nd Tray; INNER FIN ADD. TRAY-B1)</p> <p>Tray Capacity</p> <p>A4 - A5R :1000 sheets (or 125 mm in height)</p> <p>A3, A4R: 500 sheets (or 62.5 mm in height)</p> <p>Staple Position</p> <p>Corner, Double</p> <p>Staple Capacity</p> <p>A4: 50 sheets x 30 sets</p> <p>A4R/ A3: 30 sheets x 15 sets</p> <p>Other Accessories (Optional)</p> <p>Platen Cover Type P: Platen cover to be selected when configuring</p> <p>First Copy Time</p> <p>Black-and-White: 3.9sec (45/35 ppm model), 5.4sec (30/25 ppm model), 6.4sec (20 ppm model)</p> <p>Warm-Up Time</p> <p>30 seconds</p> <p>Multiple Copies/Prints</p> <p>1 to 999 sheets</p> <p>Duplexing</p> <p>Standard</p> <p>Paper Weight</p> <p>Cassette: 64 to 90g/m2</p> <p>Stack Bypass: 64 to 128g/m2</p> <p>Duplex: 64 to 80g/m2</p> <p>Paper Capacity</p>	

NO.	REQUEST	CLARIFICATION	LOT
		Cassette 1: 550 sheets (80g/m2), (250 sheets for the (with optional Envelope Feeder Attachment-D1) Stack Bypass: 100 sheets (A4,A4R,A5;80g/m2), 50 sheets(A3;80g/m2) Optional: 550 sheets x 2 cassettes (80g/m2) Total capacity: 2,300 sheets,(2,000 sheets for the image RUNNER 2520i/ 2520) CPU Canon Custom Processor, 400MHz Memory 512MB (image RUNNER 2500 i models), 256MB (imageRUNNER 2500 non i models) Hard Disk Drive	
ITB 32.1	E. Evaluation and Comparison of Bids The date for the exchange rate shall be: February 28, 2018.	Yes	

Procurement and Installation of Solar Energy Equipment and Generator Set - eTP/RComp/3.9.1e

<u>No.</u>	<u>Request</u>	<u>Clarification</u>	<u>Remarks</u>	<u>LOT</u>
page 69	<ul style="list-style-type: none"> • The capacity (KVA) of the generator set is not stated • Please confirm the AMP for the Automatic Transfer/change over switch 	<u>Below are the specifications</u>		<u>2</u>

TECHNICAL SPECIFICATIONS FOR GENERATOR SETS

SUPPLY OF 1NO. 500KVA AND 1NO. 200KVA GENERATING SETS SYNCHRONIZED TO ONE COMMON AUTOMATIC TRANSFER PANEL

For the supply of one (1) automatic start, auto synchronizing, auto load sharing, industrial diesel generating set, producing a prime rated power (PRP) output of 500kVA (400kw) at 0.8 power factor, 640kw, 400/230 volts, three (3) phase, four (4) wire, fifty (50) Hz at 1500rpm.

The generating set shall comprise of, but not limited to the following construction:

(A)

ENGINE:	Heavy duty industrial engine, water cooled, turbo-charged intercooled direct injection type diesel engine , manufactured in accordance with B.S.S 5514/ISO8528 and generally to such international standards as D.I.N. E.I.C. N.E.M.A. On prime rated units, the engine should be capable of providing a 10% overload for a minimum of one (1) hour in any twelve (12) hour period, limited to 500 hours per annum in accordance with ISO8528.
GOVERNOR	Electronic compliant with ISO 8528-5 CLASS G2, for the support of frequency sensitive load.
ELECTRICAL SYSTEM	24V DC electrical system complete and energized to run shutdown solenoid, oil pressure and water temperature shutdown switches and gauge senders.
ENGINE PROTECTION	Low oil pressure, high water temperature and over speed protections are provided as standards, including electronic shutdowns provided by the controller.
FILTERS	Filters are provided for the following: <ul style="list-style-type: none">• Fuel oil - replaceable cartridge spin on type.• Lubricating oil - replaceable cartridge spin on type• Air intake c/w restriction indicator
COOLING SYSTEM	A set mounted radiator suitable for tropical duty and cooling fan complete with protection guards shall be provided and designed to cool the engine at specified output in air-on temperatures up to 40°C. Low water level detection protection should be provided.

EXHAUST	A flexible exhaust section should be provided for installation between the engine exhaust manifold and residential type silencer(s).
STARTING	The engine shall be arranged for starting by means of an axial external starter motor engaging on a toothed ring on the flywheel.
BATTERIES	The batteries should be of high capacity, maintenance free lead acid type, suitably sized to provide six attempts to start, including a stand and interconnecting leads based on zero (0°C) degree Celsius ambient operating conditions.
CHARGING	Dual charging of these batteries should be provided by means of an engine driven charge alternator and constant potential battery charger mounted within the control panel.
ALTERNATOR	Newage/Stamford, Mecc-alte, Leroy Somer, or equal brushless design screen protected, fan ventilated, drip-proof, self-exciting in accordance with IP22. Fitted with heavy duty long life bearings, lubricant packed for 4000 hours operation and constructed in accordance with B.S.S. 5000 part 99.
REGULATION	Voltage regulation is to be maintained within the limits of (+ or -) 1 to 2 % from no load to full load including cold to hot variations at any power factor between 0.8 lagging and unity and inclusive of a speed variation of 4.5% nominal voltage, set by means of an automatic voltage regulator system.
ALTERNATOR HEATER	Alternator anti-condensation heater should be fitted and wired to the terminal box for protection against high humidity environmental conditions.
INSULATION	Stator and rotor insulation should be Class H standard to Class H temperature rise.
SUPPRESSION	Radio and television suppression should be provided to comply with B.S.S. 800/1983.
BASE FRAME	The complete generating sets should be mounted as a whole on a heavy duty steel base frame.
ANTI-VIBRATION MOUNTS	The engine and alternator assembly should be isolated from the base frame using anti-vibration mounts. This will reduce the level of vibration transmitted to the base and surrounding area.
COUPLING	The engine is directly coupled to the alternator by means of an SAE flange to avoid the possibility of misalignment after prolonged use.
GUARDS	The fan, fan drive and battery charging alternator drive are fully guarded for personnel protection. A stone guard protects the radiator core from accidental damage.

(B) AUTOMATIC TRANSFER/CHANGE OVER SWITCH

One (1) automatic transfer switch of no less than 10000amp, 4 pole housed within a sheet steel free standing enclosure.

(C) ACOUSTIC CANOPY OR ATTENUATORS

Taking the location into consideration, the generator should be housed in Acoustic Canopies or Attenuators designed to meet an average noise level of **75dBA at one (1) metre** when operating.

NB: ANY ITEM OR SERVICES NOT SPECIFICALLY REFERRED ABOVE OR OTHERWISE TO BE INCLUDED SHOULD BE OFFERED AS OPTIONAL EXTRAS FOR CONSIDERATION. HOWEVER, ALL PROPOSALS SUBMITTED SHOULD BE IN STRICT COMPLIANCE WITH ALL ASPECTS OF THIS TECHNICAL SPECIFICATION WHICH IS THE MINIMUM REQUIREMENT.