**მოწვევა ბაზრის კვლევაში მონაწილეობის მიღების თაობაზე**

**საქართველოს ოკუპირებული ტერიტორიებიდან დევნილთა, შრომის, ჯანმრთელობისა და სოციალური დაცვის სამინისტრო**

**აცხადებს ბაზრის კვლევას**

**საინფორმაციო და საკომუნიკაციო აღჭურვილობის (ICT) შესყიდვის მიზნით**

საქართველოს ოკუპირებული ტერიტორიებიდან დევნილთა, შრომის, ჯანმრთელობისა და სოციალური დაცვის სამინისტრო, COVID-19-ის წინააღმდეგ სწრაფი რეაგირების პროექტის ფარგლებში, მსოფლიო ბანკის შესყიდვების წესებისა და პირობების შესაბამისად გეგმავს საინფორმაციო და საკომუნიკაციო აღჭურვილობის (ICT) შესყიდვას: ლოტი 1 - აუდოივიზუალური სისტემა, ლოტი 2 - ფოტოაპარატურა.

გთხოვთ, შესასყიდი საქონლის სპეციფიკაციები და ბაზრის კვლევაში მონაწილეობის მისაღებად მიმწოდებლისათვის განსაზღვრული მოთხოვნები იხილოთ თანდართულ დოკუმენტში და წარმოადგინოთ წინადადება მითითებული ფასების ცხრილის ფორმატის შესაბამისად.

წინადადებების წარმოდგენის ბოლო ვადაა 2022 წლის 23 ივნისი.

გთხოვთ, წინადადებები მოგვაწოდოთ შემდეგი ელექტრონული ფოსტის მისამართზე: ttoriashvili@moh.gov.ge და khamilakhvari@moh.gov.ge - სათაურით (subject line) ***წინადადება - ბაზრის კვლევა საინფორმაციო და საკომუნიკაციო აღჭურვილობის შესყიდვის მიზნით***.

წინასწარ გიხდით მადლობას ბაზრის კვლევაში მონაწილეობის მიღებისთვის!

საკონტაქტო ინფორმაცია: საქართველოს ოკუპირებული ტერიტორიებიდან დევნილთა, შრომის, ჯანმრთელობისა და სოციალური დაცვის სამინისტრო

მსოფლიო ბანკის პროექტის განმახორციელებელი ჯგუფი:

თეა ტორიაშვილი - შესყიდვების კონულტანტი.

ტელ: 032 2 51 00 26 (შიდა - 05 06)

**Invitation to participate in Market Research**

**The Ministry of Internally Displaced Persons from Occupied Territories, Labour, Health and Social Affairs of Georgia announces market research for procurement of ICT Equipment**

The Ministry of Internally Displaced Persons from Occupied Territories, Labour, Health and Social Affairs of Georgia intends to procure Information and Communication (ICT) Equipment (Lot 1 – Audiovisual system, Lot 2 – Photographic equipment) in compliance with the World Bank Procurement Rules and Regulations within the framework of the **Emergency COVID-19 Response Project.**

Technical Specifications and other requirements to participate in market research are provided in attached document. Please, submit your offer in compliance with above referenced requirements and the price schedules provided in the attached document.

The deadline for submission of your offers in June 23, 2022.

The offers should be submitted to the following e-mail addresses: ttoriashvili@moh.gov.ge და khamilakhvari@moh.gov.ge - (subject line) Offer – ***market research for procurement of Information and Communication (ICT) Equipment.***

Thank you in advance for participating in Market Research!

**Contact Information:** The Ministry of Internally Displaced Persons from Occupied Territories, Labour, Health and Social Affairs of Georgia

The World Bank Implementation Project:

Tea Toriashvili, Procurement Consultant.

Tel: 032 2 51 00 26 (Ext - 05 06)

**Technical Specifications and Standards**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No** | **Name of Goods or Related Service** | **Required Technical Specifications and Standards** | **Technical Specifications to be filled by the Supplier** |
| **Lot 1 Audiovisual System** |
| **1** | **Wireless Access Point** | - Access point shall control and manage not less than 100 wireless conference units;- Two-way wireless connection for conference audio and communication;- Frequency range of 2.4GHz/5 GHz, Frequency auto-correction and interference avoidance capability;- AES-128 wireless encryption for audio security;- Basic system configuration;- LED indicators showing system status;- Wall/ceiling mount;- THD: No less than 0.01 %- Dynamic Range: No less than 98dBA - Audio inputs – Maximum Input- Level: No less than: 15 dBV- Configuration: Easy and intuitive web browser interface for system setup, configuration, control.**Audio Outputs:**- No less than- Maximum Output Level: No less than 4 dBV- WIFI standard radio frequency: at least IEEE 802.11g 802a, 2.4GHz ISM / 5GHz UNII;- Consumption: no more than 13W, Powering via Power over Ethernet (POE)- Network interface: Gigabit Ethernet, Connection type: 1x RJ45, with LED status indicators ceiling/wall mount.**Environmental requirements:**- Operating temperature range: 5°C to 49°C.- Relative humidity up to < 95 %**Warranty Period: no less than 2 years** |  |
| **2** | **Portable Wireless Conference Unit with “Gooseneck” Microphone** | **Gooseneck” microphone:**- Electrical - Polar pattern: cardioid;- Color: black;- Iluminatin: Lighted on when microphone is active - Length: no more than 50 cm**Portable Wireless Conference Unit:**- Touch screen no less than 4.3 inches in size, to display Logo and data on speaking participants;- Speak and Mute buttons with LED status indicators;- NFC for participant identification;- Dual 3.5mm headphone jacks with volume control;- Frequency response 100 Hz to 20 Khz;- Dynamic range: no more than 100 dB;- Total Harmonic Distortion: no more than < 0.2%**Audio inputs:**- Nominal input: No less than -55dB- Maximum input: No less than -1.5dBV**Audio output/speaker output:**- Nominal output: no less than 70 dB SPL at 0,5 m- Maximum output: no less than 80 dB SPL at 0,5 m**Headphone output:**- Maximum output: no more than 3.5 dbV- load impedance > 7 ohm <1k ohm- at least one 3.5 mm headphone sockets jack type.- WIFI standard radio frequency: at least IEEE 802.11/a/g/n- Radio frequency: 2.4 GHz and 5 GHz - Rechargeable Li-Ion battery no less then with > 9 hours.**Warranty Period: no less than 2 years** |  |
| **3** | **Charging Station for Battery** | * Charging Capacity: No less than 5 individual Battery Pack charging capacity with LED indicators.
* Mains power supply on/off LED indicator.

**Warranty Period: no less than 2 years** |  |
| **4** | **Ceiling-mount Loudspeaker** | * Connector Type RJ45
* Power over Ethernet not less than (PoE Class 0)
* Frequency response: No less than 120 Hz to 20 kHz;
* Power Handling: No less than 10W;
* Sensitivity: No less than 90 dB;

Coverage: No less than 90°**Warranty Period: no less than 2 years** |  |
| **5** | **Conference audio processor** | * USB connector: USB 2.0 type B, USB port must support for no less than 1 incoming and 1 outgoing channels – for PC audio connection.
* Cable connector: RJ45, with no less than 5 outgoing digital audio signals.
* Electric requirements: 802.3 at Type 2 (PoE Plus), class 4 or mains power supply.
* Frequency response: from 20 to 20 000 Hz;
* Digital audio: no less than 48 kHz, 16 and 24 bit;
* Dynamic specifications (analog to digital): no more than 115 dB;
* Dynamic specifications (digital to analog): no more than 119 dB;
* Signal-noise correlation: no less than 86 dBV (line), -98dBV (Aux)
* Total harmonic distortion: <0.05%;
* Other additional analogue or digital connection ports.

Web or Software management capability**Warranty Period: no less than 2 years** |  |
| **6** | **Smart TV** | * Diagonal size: no less than 82'';
* Resolution: no less than 1080p;
* Smart functionality;
* Wi-Fi capability;
* Ports: at least 3 HDMI, 2 USB, 1 Ethernet (LAN);

**Warranty Period: no less than 2 years** |  |
| **7** | **mini-PC** | * CPU:

- Socket: FCLGA1200/ FCLGA1700- Cores: no less than 6- Threads no less than 12- Base Frequency no less than 2.3 GHz- Cache no less than 12 MB* RAM: No less than 8 GB DDR 4;
* Storage: No less than 256 GB SSD.

Port: At least HDMI; 2xUSB; RJ45**Warranty Period: no less than 2 years** |  |
| **8** | **Video Conference Camera** | * Image sensor: No less than 1/2.8” 1080p 60fps Exmor CMOS
* Effective picture elements: No less than 2.0 megapixels
* Optical zoom: No less than 10x
* Digital zoom: No less than 10x
* Horizontal viewing angle: 72.1° (Wide) ~ 6.6° (Tele)
* Pan/Tilt angle: Pan: +-170°, Tilt: +90°/-30°
* Focal length: No less than f = 3.9mm (Wide) ~ 46.8mm (Tele)
* Minimum working distance: No less than 0.3m (Wide), 1.5m (Tele)
* Output resolution: at least Auto, 1080p/60, 1080p/59.94, 1080p/50, 1080i/60, 1080i/59.94, 1080i/50, 1080p/30, 1080p/29.97, 1080p/25, 720p/60, 720p/59.94, 720p/50
* Power frequency: Auto / 50Hz / 60Hz
* USB 2.0 Resolution: No less than 1080p

 IP streaming Resolution: at least 1920x1080, 1280x720, 960x540, 640x480**Warranty Period: no less than 2 years** |  |
| **9** | **Stand Mount with Roller for Smart TV** | * Compatible to the offered Smart TV
* With shelf for camera and PC
* With cable management

**Warranty Period: no less than 2 years** |  |
| **Lot 2 Photographer Equipment** |
| **1** | **Camera** | **Type:**Digital cameraReplaceable lensFull CMOS supportNo less than:Z-mount system matrixElectronically powered shutterShutter sound and sensor shieldShutter speed from 1/32000 to 30 seconds(Choose from sizes 1/3, 1/2 and 1 EV, with optical exposure up to 900 seconds in M mode)LampIntegrated clockX200**Sensor type and size:**No less than 35.9 x 23.9 mmFormatFX image sensorTypeStacked CMOS sensor5-axis vibration compensator**Effective pixels** - No less than 45,7 million**Total pixels** - No less than 52,37 million**Low Pass filter** - No less than TypeStacked CMOS sensorSensor size: 35.9 x 23.9 mmFormatFX image sensor**Processor** - No less than: EXPEED 7, combined**Focus type:**No less than:Focus point 493 (single point AF)AF-Area ModePinpointCollapseFocus/Autofocus systemHybrid phase detection/contrast detection AFAF exposure value from -6.5 to +19 EV (from -8.5 to +19 EV under starlight, measured under ISO 100 mode, f/1.2 lens, at 20 °C/68 °F)**A/F function range:**ISO sensitivity: no less than 64–25600 in step measurements 1/3 and 1 EV0.3, 0.7 or 1 EV (approx.) are also acceptable (equivalent of ISO 32).Measurements below ISO 64 or approximately equal to 0.3, 0.7, 1 or 2 EV (equivalent of ISO 102400) are acceptable as well.Automatic ISO sensitivity control should be available.**Viewfinder type:**No less than: CollapseViewfinderViewer size: 1,27 cm/0,5 inApprox. 3690k-dot (Quad VGA) OLEDViewfinder with color balancing and automatic 16-level mechanical brightness control. Viewfinder Frame Coverage: approx. 100% horisontal, 100% verticalZoom capability approx. 0.8x (for a 50mm lens to infinity, -1.0 m -1)Eyespot: no less than 21mm (-1,0 m -1 from the rear surface of the eyespot lens).Viewfinder diopter adjustment: −4 – +3 m−1Eye sensor should automatically switch between the monitor and the viewscreen.OLED digital screen with no less than 3.6m dots.**Viewfinder coverage (horizontal/vertical)** - No less than 100%**Screen** - FT sensor LCD least 3.2 inches (diagonally) in size, inclined vertically and horizontally**Screen coverage** - No less than 100%**Focusing dots** - No less than 493**Lens attachment** - At least Z-Mount**Image style:**No less than JPEG; JPEG-Baseline corresponds to minor (approx. 1:4), average (approx. 1:8) or baseline (approx. 1:16) compression; can switch between priority and optimal compression settings. NEF (RAW) + JPEG: each photo is recorded in NEF (RAW) and JPEG formats.NEF (RAW): 14-bit for massive images and highly efficient compression14 MediaCFexpress (type B) storageXQD type memoryDCF 2.0 file systemExif 2.32**Video recording:**At least Movie MeteringTTLExposure measurement using the main visual sensorMaximum recording time: at least 2h 5mVideo file format: MOV/MP4Video compression: Apple ProRes 422 HQ (10 bit), H.265/HEVC (8 bit/10 bit), H.264/AVC (8 bit)Audio format: Linear PCMAACMovie8K UHD 7,680×4,320 / 30p (progressive)8K UHD 7,680×4,320 / 25p8K UHD 7,680×4,320 / 24p4K UHD 3,840 × 2,160 120p4K UHD 3,840 × 2,160 100p4K UHD 3,840x2,160 / 60 fps4K UHD 3,840x2,160 / 50 fps4K UHD 3,840x2,160 / 30 fps4K UHD 3,840x2,160 / 25 fps4K UHD 3,840x2,160 / 24 fpsFull HD 1,920x1,080 / 120 fpsFull HD 1,920x1,080 / 100 fpsFull HD 1,920x1,080 / 60 fpsFull HD 1,920x1,080 / 50 fpsFull HD 1,920x1,080 / 30 fpsFull HD 1,920x1,080 / 25 fpsFull HD 1,920x1,080 / 24 fpsActual frame frequency: 120p, 100p, 60p, 50p, 30p, 25p and 24p is, accordingly, 119.88, 100, 59.94, 50, 29.97, 25 and 23.976 fps.Integrated stereo or external microphone with a muffling option and adjustable sensitivity. **Integrated GPS** – YES**Water resistant/Dustproof** – YES**Interface:**No less than:USB type CUSB connector (SuperSpeed USB)Integrated USB port highly recommended.Audio input: stereo mini-pin jack (3.5mm diameter, with extras support)Audio output: stereo mini-pin jack (3.5mm diameter)A 10-pin HDMI connectorIntegrated terminal.**Battery:**No less than 3 battery units, at least EN-EL18d Lithium-ion, rechargeableFully compatible with the camera as described aboveCapacity (Wh): 36 Wh /3300 mAhOutput power: 10.8 VDC.**Battery charger** - At least MH-33 Battery Charger**Compatible platform** - At least Windows, Mac OS **Approx. weight** - No less than 47,3 ounces (1340 g)Approx. 1340 g (2 pounds 15,3 ounces) with battery and memory card, but without body cover and accessories. The camera alone should weigh 1160g (2 pounds 9 ounces)**Warranty: no less than 2 years** |  |
| **2** | **Camera lens N.1** | **Viewing angle (horizontal, vertical, diagonal)** - At least 24-120 mm f/4 S Full-Frame on a Z-Mount system;**Diaphragm** - At least permanent f/4 diaphragm;**Minimal aperture** – 22**Minimal focusing distance** - 35 cm**Optical zoom** - At least 24 mm-120 mm;**Image stabilization** – YES**Moisture/dust protection** – YES**Filter diameter** - At least 77 mm**Lens cover** – YES**Lens case**  - YES**Warranty: no less than 1 year** |  |
| **3** | **Camera lens N. 2** | **Viewing angle (horizontal, vertical, diagonal)** - At least 70-200 mm Full-Frame on a Z-Mount system;**Diaphragm** - At least F2.8;**Minimal aperture** - At least f/22**Minimal focusing distance** - At least 50 cm**Optical zoom** - At least 70-200 mm**Rangefinder** – YES**Image stabilization** – YES**Moisture/dust protection** – YES**Filter diameter** - At least 77 mm**Lens cover** – YES**Lens case –** YES**\Warranty: no less than 1 year**  |  |
| **4** | **Camera safety cage** | **Measurements** - 160 x 164 x 135 mm;**Size** - 160 x 120 x 68 mm**Weight** - Approx. 409 g ± 5 g**Packaged weight** - Approx. 515 g ± 5 g**Material** – Durable Aluminum ConstructionShould be lightweight aluminum Camera CageFormfitting camera cage with top handle. Cage should be compatible with above mention camera. Maintains access to camera controls, battery, and SD card slot, etc.  |  |
| **5** | **Microphones: 1 Handheld microphone; 1 lapel microphone; 1 receiver.** | Wireless microphones/camera-attached wireless Lavalier-type microphone system: handheld wireless microphone, lapel microphone, receiver.Lapel microphone and receiver should feature all-in-one wireless system, with high flexibility for broadcast quality sound. Should have excellent sound and construction quality. Should be easy to use and have fast setup time. Should have powerful and reliable wireless transmission - At least range up to 100 meters, Up to 8 hours of operation time.*Lapel microphone and camera receiver details:*They should come with clip-on microphone. Receiver should have mini jack at least 3.5 mm with 12x compatible AA- rechargeable batteries, current consumption at nominal voltage: at least typ. 180 mA. Receiver should have compatible adapter for camera. Receiver also should have compatible connector cable, screw-on mini-jack to XLR male unbalanced, length: 0.6 mReceiver and body transmitter frequency range at least E 823 865MHz; Dimensions Approx. 82 x 64 x 24 mm,  THD, total harmonic distortion ≤ 0.9 %, Weight (incl. batteries) approx. 160 g, Audio output 3.5 mm jack socket: +12 dBu (mono, unbalanced), Signal-to-noise ratio ≥ 110 dBA, Switching bandwidth up to 42 MHz, Peak deviation ±48 kHz, Nominal deviation ±24 kHz, Operating time Typically 8 h, Modulation Wideband FM, Receiving frequency Max. 1680 receiving frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels, no intermodulation 1 frequency bank with up to 12 programmable channels, RF sensitivity < 1.6 μV for 52 dBA eff S/N, Squelch low: 5 dBµV middle: 15 dBµV high: 25 dBμV, Temperature Range -10 °C to +55 °C , Receiver Principle Adaptive diversity, Blocking ≥ 70 dBHandheld transmitter details: transmitter should come with compatible microphone clamp. Frequency range D: 823 - 865 MHz ; Dimensions Approx. Ø 50 x 265 mm; THD, total harmonic distortion ≤ 0.9 % ; Weight (incl. batteries) approx. 450 g ; Signal-to-noise ratio ≥ 110 dBA ; RF output power Max. 30 mW ; Switching bandwidth up to 42 MHz ; Peak deviation ±48 kHz ; Nominal deviation ±24 kHz ; Operating time Typically 8 h ;  Modulation Wideband FM ; Max. Input voltage 3 Veff ; Transmission frequency Max. 1680 transmitting frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels, no intermodulation 1 frequency bank with up to 12 programmable channels, AF frequency response 80 – 18,000 Hz; Temperature Range -10 °C to +55 °C ; Frequency stability ≤ ±15 ppm**Warranty: no less than 6 months** |  |
| **6** | **Camera bag** | **Materials:**An all-weather bag made from waterproof nylon with a large zipperCan be carried both in one's hands (external handle) and on the shoulder;**Interior measurements** - At least 35.6 x 25.4 x 18 cm**Exterior measurements** - At least 48.3 x 26.7 x 22.9 cm |  |
| **7** | **Memory card** | **Capacity** - At least 120 Gb XQD**Maximum read speed** - At least 440 mb/sec**Maximum write speed** - At least 400 mb/sec**Warranty: no less than 1 month** |  |
| **8** | **Memory card reader** | **Type -** XQD card reader**Port -** At least USB 3.1**Format -** At least XQD**Speed** - At least 5 Gb/sec**Compatible platforms -** Windows; ANDROID, Mac OS; Linux; Chrome**Warranty: no less than 1 month** |  |
| **9** | **Lighting** | **Number of LED lights** - At least 36**Batteries** - At least 2x AA**Colors -** At least 5500~6500K**Brightness -** At least >260Lux (0.5m)**Optimal operating temperature** - At least -10~40**Product size -** At least 7 \* 8.9 \* 3.8cm**Weight -** At least 84g**Warranty: no less than 6 months** |  |
| **10** | **Tripod** | **Type -** At least TH-X H TH-X T tripod, SystemPayload 4 kg / 9.0 pounds**Weight bearing capacity** - At least 4 kg / 9.0 pounds (C.G.55 mm)**Weight** - At least 3.1 kg / 6.9 pounds**Height -** From at least 75,5 cm to 159 cm (from 29,7 to 62,6 inches)**Upper Section -** At least 1/4" with a screw-in video pin and a spare screw**Base diameter -** At least 65 mm**Sections-** At least 2**Bending angle** - From +90° to -80°**Operating temperature range** - From at least -20°C to +60°C-მდე (from -4°F to +140°F)**Warranty: no less than 6 months** |  |
| **11** | **Laptop** | **RAM -** At least 16 Gb**Processor** - At least i7**GHZ -** At least 3.60**SSD -** At least 1 Tb**Graphic controller -** At least 3070**Laptop Bag -** Compatible with the laptop**Warranty: no less than 2 years** |  |
| **12** | **Batteries with a charging station** | **Battery size -** At least AAARechargeable batteries – YES**Battery type -** At least NiMH**AAA battery capacity (V)** - At least 1.2**AAA battery capacity (mAh)**: - At least 2700 |  |
| **13** | **Stabilizer (pro kit)** | **Should be a full professional kit that includes**:At least: 1) Manual focus control system (follow focus) 2) Remote control 3) Carbon handle extension 4) Clasps and attachment points for other accessories 5) Various cable and flat cables for accessories.**Size** - At least 17,5 x 24 x 42,9 cm Weight bearing capacity - At least 4.6 kgBending angle - At least 230 °Moving angle - At least 360 °Certificates - At least CE, EAC, KC, FCC, IC, NCC, RCM, SRRC, TELECControllable bending range - At least: from + 175 ° to -55 °Charging time - At least 5 hoursOperating time at full charge - At least 12 hoursMinimal operating temperature - At least -10 ° CMaximum operating temperature - At least 45 ° C**Warranty: no less than 1 year** |  |

**Note: The above mentioned equipment must be original not counterfeit. Should come in factory appropriate packaging and have appropriate documentation.**

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| --- |
| **Price Schedule** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **N°** | **Description of Goods**  | **Country of Origin** | **Delivery Date as defined by Incoterms** | **Quantity and physical unit** | **Unit price**  | **Total Price per Line item** **(Col. 7+8)** |
| **Lot 1 – Audiovisual System** |
| 1 | Wireless Access Point |  |  | 1 |  |  |
| 2 | Portable Wireless Conference Unit with “Gooseneck” Microphone |  |  | 14 |  |  |
| 3 | Charging Station for Battery  |  |  | 2 |  |  |
| 4 | Ceiling-mount Loudspeaker |  |  | 6 |  |  |
| 5 | Conference audio processor |  |  | 1 |  |  |
| 6 | Smart TV No lass than 82" inch |  |  | 1 |  |  |
| 7 | Mini-PC |  |  | 1 |  |  |
| 8 | Video Conference Camera |  |  | 1 |  |  |
| 9 | Stand Mount with Roller for offered Smart TV |  |  | 1 |  |  |
| **Total Lot 1** |  |
| 1 | Camera |  |  | 1 |  |  |
| 2 | Camera Lens #1 |  |  | 1 |  |  |
| 3 | Camera Lens #2 |  |  | 1 |  |  |
| 4 | Camera safety cage |  |  | 1 |  |  |
| 5 | Microphones: 1 Handheld microphone; 1 Lapel Microphone; 1 receiver |  |  | 1-1  |  |  |
| 6 | Camera Bag |  |  | 1 |  |  |
| 7 | Memory Card |  |  | 2 |  |  |
| 8 | Memory Card Reader |  |  | 1 |  |  |
| 9 | Lighting |  |  | 1 |  |  |
| 10 | Tripod |  |  | 1 |  |  |
| 11 | Laptop |  |  | 1 |  |  |
| 12 | Batteries with a Charging Station |  |  | 12 |  |  |
| 13 | Stabilizer |  |  | 1 |  |  |
| **Total Lot 2** |  |

**Please, provide following information:**

* **General Experience:** The Supplier shall demonstrate that it has similar experience
* **Specific Experience:** The Bidder shall demonstrate that it has successfully completed at least 1 contract of similar nature and complexity per lot in the capacity of the Prime Contractor within the last 5 years prior to bid submission deadline. The Suppliers shall indicate contract values for successfully completed contracts.