



## BAC RESOLUTION NO. 2021-154

### **Supply, Installation, Testing & Commissioning of Real Time CCTV Cameras in 20 Pumping Stations with Wireless Communication Module Equipment (2.4 GHz/5.7 GHz) Suitable for PLC/Scada Monitoring of Flow & Pressure Controlling the Operations of Pumps & Motors, Valves, VFD etc.**

(PHASE V for the installation of CCTV Cameras in 4 Pumping Stations - Tata Pading, Tata Leon, Frances Bukid, Meysulao Sapa PS and Metropolis Subd.Ground Reservoir monitored in CWD Main Office)

WHEREAS, the Bids and Awards Committee is hereby instructed to act upon the CWD with Purchase Request No. 2021-07-022; **Supply, Installation, Testing & Commissioning of Real Time CCTV Cameras in 20 Pumping Stations with Wireless Communication Module Equipment (2.4 GHz/5.7 GHz) Suitable for PLC/Scada Monitoring of Flow & Pressure Controlling the Operations of Pumps & Motors, Valves, VFD etc.**

(PHASE V for the installation of CCTV Cameras in 4 Pumping Stations - Tata Pading, Tata Leon, Frances Bukid, Meysulao Sapa PS and Metropolis Subd.Ground Reservoir monitored in CWD Main Office);


WHEREAS, the members of the BAC agreed to adopt Section 53.9, Article XVI of RA 9184, which states the use of Small Value Procurement, a method of procurement of Goods, Infrastructure and Consulting Services where the amount involved does not exceed the thresholds prescribed in Annex "H" of this IRR: Provided, That in case of Goods, the procurement does not fall under shopping in Section 52 of this IRR.(a)


The BAC shall prepare and send the RFQs/RFPs to at least three (3) suppliers, contractors or consultants of known qualifications. This, notwithstanding, those who responded through any of the required postings shall be allowed to participate. Receipt of at least one (1) quotation is sufficient to proceed with the evaluation thereof.

NOW THEREFORE, We, the members of Bids and Awards Committee, hereby RESOLVE as it is hereby RESOLVED;

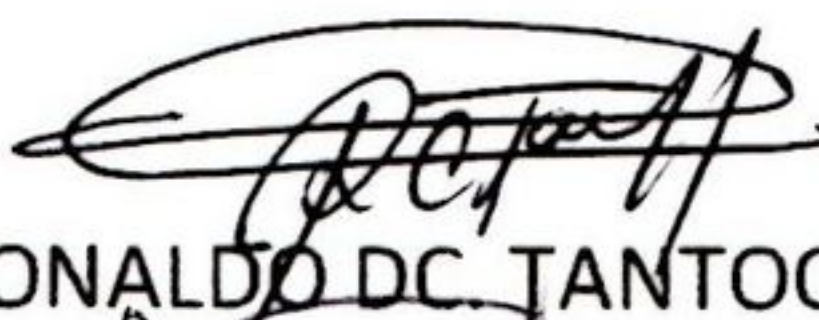
1. To recommend the use of Small Value Procurement for Purchase Request No. 2021-07-022;.
2. To recommend for approval by the General Manager of the Calumpit Water District the foregoing findings;


RESOLVED, at the CWD Office, Corazon, Calumpit, Bulacan, this 13<sup>th</sup> day of July 2021.

  
EMELY E. ECHEVARRIA  
BAC Chairman

  
ESPERANZA L. CORTEZ  
BAC Vice Chairman

  
EDILBERTO P. SANTOS  
BAC Member

  
RONALDO DC TANTOCO  
BAC Member

  
BENJO S. TORRES  
BAC Member



Office/Section : Operations Dept.		PR No.: <u>2021-07022</u> Responsibility Center Code :	Date: July 8, 2021		
Stock/ Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
	lot	<b>Supply of Equipment, Install, Testing , Commissioning of Real Time Monitoring CCTV Cameras in 20 Pumping Station with Wireless Communication Module Equipment (2.4GHz/5.7 GHz) suitable for PLC/Scada Monitoring of Flow and Pressure Controlling the Operation of Pumps and Motors, Valves, VFD etc</b>	1	950,000.00	950,000.00
		<b>PHASE V:</b>			
		<b>For the installation of CCTV Cameras in FOUR (4) Pumping Stations (Tata Pading, Tata Leon, Meysulao Sapa, Frances Bukid) and Metropolis Ground Reservoir monitored in CWD main office</b>			
		<b>A. CCTV Supply</b>			
	units	<b>"HIKVISION"</b> CCTV Bullet type camera	8		
		Model: DS-2CD2T35FWD-I5			
		- Up to 3MP High Resolution			
		- Full 2048 x 1536 @30 fps			
		- 2.8mm / 4mm / 6mm / 8mm Fixed Lens Options			
		- Ultra- Low light, 0.008 Lux, Dark Fighter Technology			
		- H.265+, H.265, H.264+, H.264			
		- 120 dB Wide Dynamic Range			
		- 3D Digital Noise Reduction			
		- 12 VDC & PoE (802.3af)			
		- EXIR 2.0 with up to 165 ft (50m) IR Range			
		- IP 67 Protection			
		- 1/2.8" Progressive Scan CMOS			
		- 256 Kbps – 16 Mbps video rate			
		- minus I3: 30 meters; -I5: 50 meters; -I8: 80m lens capability			
		- ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI standard			
		- 0.01Lux @(F1.2,AGC ON), 0.028 Lux @ (F2.0,AGC ON), 0 Lux with IR			
		- 1/3 s ~ 1/10,000 s			
	units	<b>"HIKVISION"</b> CCTV Dome type	3		
		Model: DS-2CD2722FWD-I			
		- Up to 2.0 MP / 1/3" CMOS / 25(P)/30(N) fps @ (1920 x 1080)			
		- 32 Kbps to 8 Mbps			
		- 2.8-12mm @ F1.4, horizontal field of view: 104° to 24° meter lens capability			
		Color: 0.01 Lux@ F1.2/WDR/3D-DNR True Day and Night / IR Distance: 20mm/IP66			
		- 1/3 s to 1/100,000 s shutter speed			

Purpose:

To be used for supply, installation, testing and commissioning of CCTV cameras for Tata Pading, Tata Leon, Frances Bukid, Meysulao Sapa PSs and Metropolis Ground Reservoir.



Office/Section : Operations Dept.		PR No.: 2021-67-022 Responsibility Center Code :	Date: July 8, 2021		
Stock/ Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
		<b>Complete with:</b>			
	<b>units</b>	<b>"HIKVISION" 4 Port 24 VDC passive PoE Switch</b>	<b>3</b>		
		Model: DS-3E0105P-E			
	<b>units</b>	<b>"HIKVISION" 8 Port 24 VDC passive PoE Switch</b>	<b>5</b>		
	<b>lots</b>	Cable tie, bolts and nuts, pipes and other accessories	<b>5</b>		
		- D-Link Cat 5e UTP 24 AWG, Solid: 305m, Blue			
		- Solid Cat5E FTP PO PE OSP, 50105F 010 4PR			
		24AWG, Black			
	<b>unit</b>	<b>"HIKVISION" NVR</b>	<b>1</b>		
		Model: DS-7616NI-I2			
		16 Ch. 4K & H. 265 NVR: 160Mbps/256Mbps			
		Bandwidth I/O, 16-Ch 1080P,			
		or 4-ch 4k, 2 SATA Interfaces, alarm I/O: 4/1			
	<b>unit</b>	4TB ST4000VX007 Hard Disk Drive	<b>1</b>		
	<b>units</b>	<b>"POWERBEAM AC GEN2"</b>	<b>10</b>		
		Microwave radio 5GHz 450mbps (25km)			
		- 300 N @ 200 km/h (67.44 lbf @ 125 mph)			
		- IEC 68-2-5 at 40° C (104° F),			
		Equivalent: ETS 300 019-1-4			
		- ETS 300 019-1-4, Equivalent: MIL-STD-810 G			
		Method 506.5			
	<b>unit</b>	<b>FLAT SCREEN TV 43"</b>	<b>1</b>		
	<b>units</b>	Metal Enclosure Coating Waterproof Box	<b>4</b>		
		(H300 x W250 x D150mm)			
	<b>unit</b>	CCTV Server Cabinet 600*800, 42U H2m	<b>1</b>		
		Model: NF6842			
	<b>pcs.</b>	UPS 650VA	<b>9</b>		
	<b>pc.</b>	UPS 3000VA	<b>1</b>		
	<b>sets</b>	Lightning Arrester	<b>5</b>		

Purpose: **To be used for supply, installation, testing and commissioning of CCTV cameras for Tata Pading, Tata Leon, Frances Bukid, Meysulao Sapa PSs and Metropolis Ground Reservoir.**

Requested by:

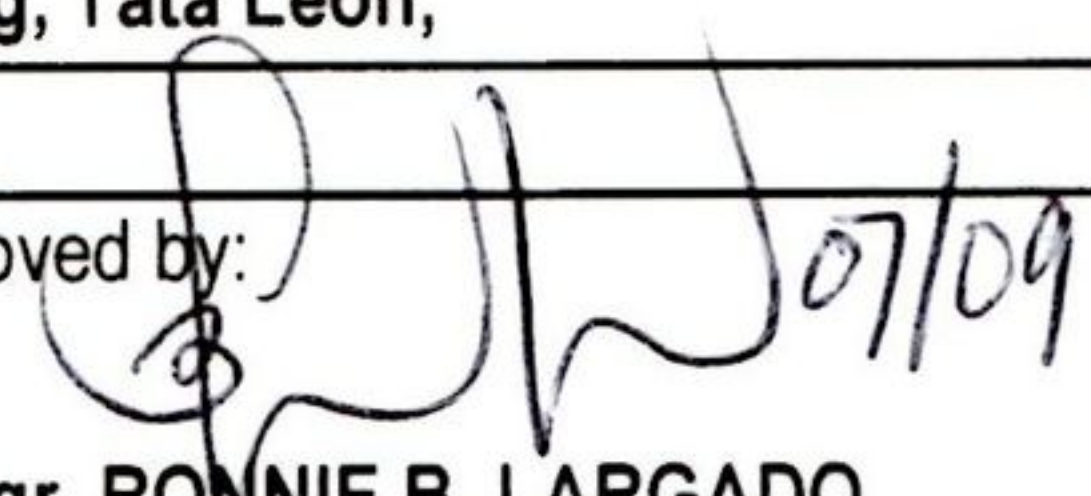
Signature :

Printed Name :

Designation :

  
**EDILBERTO P. SANTOS**  
 EOD Department Manager

Approved by:

  
**Engr. RONNIE B. LARGADO**  
 General Manager



