

PA19-006 GSS wireless sensors

Item	Description	Approved product price (price per unit unless specified)																																
1	GSS Renl-Time Vibration Monitoring S:r:stcm	HKD 40000																																
2	Series 1A04-WISENMESHNET 1-Channel VW Interface Node	HKD 15696.2																																
3	Series 1A04-WISENMESHNET 1-Channel VW Interface Node	HKD 2190																																
4	A5 - Automatic vibrograph with datalogger	HKD 39468																																
5	Mounting plate	HKD 550																																
6	GSS Sensor - External battery pack (36 months battery life)	HKD 6000																																
7	Webpage Monitoring Portal basic frameware setup	HKD 14000																																
8	Webpage Monitoring Portal sensor service	HKD 5,000 for I sensor per year																																
9	Each months SIM card data services	HKD 108 for I Sensor per month																																
10	HKD 40000 (3GV-01/3GV-02 Vib Sensor) HKD 28000 (WMS-02 Tilt Senor) HKD 20000 (WMD-01 USB Dongle) HKD 30000 (WMM3G 3G Gateway) Typical Arrangement: 1x USB Dongle / 1x 3G Gateway + 3x Tilt Sensor (Appro. HKD 114,000) or 2x 3GV Vib Sensor Appro. HKD 80,000	Refer to description																																
11	WMS-02-SD	HK\$28,000.00																																
12	WMD-01	HK\$20,000.00																																
13	WMM3G-04	HK\$30,000.00																																
14	3GV-02U	HK\$40,000.00																																
15	<div><div><div></div><div><h2>QUOTE</h2><p>Build King - Kum Shing Joint Venture</p></div><div><p>Date 23 Jul 2019</p><p>Quote Number QU-0067</p><p>Reference WISEN</p></div><div><p>Digital G Limited Attention: Mr Andy K L WONG 28/F, Devon House, Taikoo Place, 979 King's Road, Hong Kong HONG KONG</p></div></div><table><tr><th>Description</th><th>Quantity</th><th>Unit Price</th><th>Amount HKD</th></tr><tr><td>1. Water Level Monitoring at 3 locations (by WISENMESHNET system), including installation of vibrating wire piezometer (Max 30m) and 1-CH vibrating wire sensor node at existing Standpipe / Piezometer</td><td>1.00</td><td>50,418.00</td><td>50,418.00</td></tr><tr><td>2. Vibration monitoring at 12 locations, including installation of vibration sensor node on wall/ground</td><td>1.00</td><td>319,956.00</td><td>319,956.00</td></tr><tr><td>3. Tilt monitoring at 8 locations (by WISENMESHNET system), including installation</td><td>1.00</td><td>43,711.00</td><td>43,711.00</td></tr><tr><td>4. Geotechnical monitoring website (for 25 users) for 12 months monitoring of all the above sensors (per month)</td><td>12.00</td><td>8,000.00</td><td>96,000.00</td></tr><tr><td>5. Site visits to check or repair damaged equipment. Material / replacement costs will be charged separately. (Rate only)</td><td>12.00</td><td>5,400.00</td><td>64,800.00</td></tr><tr><td colspan="3">Subtotal</td><td>574,885.00</td></tr><tr><td colspan="3">TOTAL HKD</td><td>574,885.00</td></tr></table></div>	Description	Quantity	Unit Price	Amount HKD	1. Water Level Monitoring at 3 locations (by WISENMESHNET system), including installation of vibrating wire piezometer (Max 30m) and 1-CH vibrating wire sensor node at existing Standpipe / Piezometer	1.00	50,418.00	50,418.00	2. Vibration monitoring at 12 locations, including installation of vibration sensor node on wall/ground	1.00	319,956.00	319,956.00	3. Tilt monitoring at 8 locations (by WISENMESHNET system), including installation	1.00	43,711.00	43,711.00	4. Geotechnical monitoring website (for 25 users) for 12 months monitoring of all the above sensors (per month)	12.00	8,000.00	96,000.00	5. Site visits to check or repair damaged equipment. Material / replacement costs will be charged separately. (Rate only)	12.00	5,400.00	64,800.00	Subtotal			574,885.00	TOTAL HKD			574,885.00	Refer to description
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16	<div><div><div><div><h2>SOUTH South Instruments Technology Limited</h2><p>Target your success Rmn K, 8/F, Blk 2, Kin Ho Ind Bldg, No. 14 – 24 Au Pui Wan St, Fotan, Shatin, Hong Kong.</p></div><div>Tel: +852 9293 3693 Fax: +852 3705 0140 E-Mail : sales@southsurvey.com.hk</div></div><div>To : Hing Seng Builder Company Limited 8/F, KOHO, 73-75 Hung To Road, Kwun Tong, Kowloon, Hong Kong</div><div>Attn : Mr. Terry Yeung e-mail : terryyeung@nwconstruction.com.hk Tel. : +852 9274 7313</div><div>Fax : +852 3110 2202</div></div><div>Re : No.: 1905910QR3 Date : 19th Aug. 2019</div><div>Surveying Instruments & Accessories Contract No.: 60580729 MONITORING FOR FOUNDATION - SITE A2 (Skycity) PROPOSED DEVELOPMENT AT SKYCITY SITE A2 L894, PORTION OF CHEK LAP KOK LOT NO. 3</div><table><tr><th>Item</th><th>Description</th><th>Qty</th><th>Rate U/P (HK\$)</th><th>Amnt. (HK\$)</th></tr><tr><td colspan="5">QUOTATION</td></tr><tr><td>1</td><td>GSS Real-Time Vibration Monitoring System GSS 3G and Vibration Sensor (3GV) Specification: Vibration Limit(X,Y,Z); +/-8G Conformance: DIN45689-1 Maximum Response: 1Hz to 1kHz Accuracy: +/-5% Sample Rate (Hz): 1000, 2000, 4000 Peak Particle Velocity (by design): 0.05 mm/sec to 3000 mm/sec Peak Particle Velocity (validated): Up to 620 mm/sec Heartbeat interval: 30 sec to 12 hours Time Stamping: 1 millisecond Buffer Size: 1MB Alert Thresholds: 1 to 620 mm/sec (@ 2G Range) Alert SMS Numbers: 5 Data Outputs: Zero Crossing, Peak amplitude/frequency values (1Hz to 1kHz), Peak Particlle Velocity (mm/s), Peak Vector Sum (mm/s). Threshold alerts, historical trend readings.</td><td>10 Set</td><td>28,400</td><td>284,000</td></tr><tr><td>2</td><td>System Accessories Included: - Protection Metal Case - Solar Panel System - 12 months SIM card data services with Webpage Monitoring Portal - System Installation service - Training for Webpage Monitoring Portal operation - Training for GSS 3G and Vibration Sensor (3GV)</td><td>10 Set</td><td>8,940</td><td>89,400</td></tr><tr><td colspan="4">Net Total:</td><td>373,400</td></tr></table><div>Delivery : 1-2 weeks after receipt of your firm purchase order. Payment : 50% deposit, 50% C.O.D. Price : EXW Mian Min in US\$ Basic</div><div>373400/10=37340</div></div>	Item	Description	Qty	Rate U/P (HK\$)	Amnt. (HK\$)	QUOTATION					1	GSS Real-Time Vibration Monitoring System GSS 3G and Vibration Sensor (3GV) Specification: Vibration Limit(X,Y,Z); +/-8G Conformance: DIN45689-1 Maximum Response: 1Hz to 1kHz Accuracy: +/-5% Sample Rate (Hz): 1000, 2000, 4000 Peak Particle Velocity (by design): 0.05 mm/sec to 3000 mm/sec Peak Particle Velocity (validated): Up to 620 mm/sec Heartbeat interval: 30 sec to 12 hours Time Stamping: 1 millisecond Buffer Size: 1MB Alert Thresholds: 1 to 620 mm/sec (@ 2G Range) Alert SMS Numbers: 5 Data Outputs: Zero Crossing, Peak amplitude/frequency values (1Hz to 1kHz), Peak Particlle Velocity (mm/s), Peak Vector Sum (mm/s). Threshold alerts, historical trend readings.	10 Set	28,400	284,000	2	System Accessories Included: - Protection Metal Case - Solar Panel System - 12 months SIM card data services with Webpage Monitoring Portal - System Installation service - Training for Webpage Monitoring Portal operation - Training for GSS 3G and Vibration Sensor (3GV)	10 Set	8,940	89,400	Net Total:				373,400	Refer to description							
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Delivery : 1-2 weeks after receipt of your firm purchase order. Payment : C.O.D. Price : EXW Hong Kong In HK\$ Basis. Remarks : 1) Please sign, chop and return the whole page to us by fax within 2 weeks. 2) This quotation is valid for 90 days. 3) Should you have any queries, please feel free to contact the undersigned. 4) 1 year warrant.																																																																																																										
21	<table><tr><td colspan="5">Contract No.: [T-D101] Main Work roof movement monitoring</td></tr><tr><td colspan="5">Tilting Monitoring System</td></tr><tr><td>1</td><td>GSS 3G Tilting Sensor (3GV) Specifications: Euler Angles: Pitch +/- 90°, Roll +/- 90° Resolution: 0.0035° Accuracy: +/- 0.005° Temperature Stability: +/- 0.5°(-45 to 110°C) Stabilisation Time: 10 secs Step Response Time: 2 secs Sample Rate: 50Hz Heartbeat Interval: 10 sec to 12 hours Buffer Size: 128Kb Pre-Alert Buffer: 8192 samples (- Post Alert Buffer) Post-Alert Buffer: 8192 samples (- Pre Alert Buffer) Pre Alert Rate: 1 sec/sample to 10 sec/sample Post Alert Rate: 1 sec/sample to 10 sec/sample Alert Thresholds: 0.5 to 70.0° Rearm Tolerance: 0.5 to 45.0° Rearm Stable: 1 sec to 300 sec Mounting Plate for epoxy glue</td><td>4</td><td>pc</td><td>32,000</td><td>128,000</td></tr><tr><td>1b</td><td></td><td>4</td><td>pc</td><td>500</td><td>2,000</td></tr><tr><td>2</td><td>Real-time Web base Monitoring system</td><td></td><td></td><td></td><td></td></tr><tr><td>2a</td><td>Webpage Monitoring Portal basic framework setup</td><td>1</td><td>job</td><td>14,000</td><td>14,000</td></tr><tr><td>2b</td><td>Webpage Monitoring Portal service (HKD 500 for 1 sensor per months : Total 4 sensors) Included: Each months SIM data card data services Equip with Real time warning Email service for AAA level asset Training for Webpage Monitoring Portal operation (1 day hardware training and 1 day software training) Remarks: - Item 2b must be Minimum 6 months per order</td><td>6</td><td>mtl</td><td>2,000</td><td>12,000</td></tr><tr><td colspan="4">Net Total:</td><td>156,000</td></tr><tr><td colspan="4"></td><td>156000-2000=154000</td></tr></table>	Contract No.: [T-D101] Main Work roof movement monitoring					Tilting Monitoring System					1	GSS 3G Tilting Sensor (3GV) Specifications: Euler Angles: Pitch +/- 90°, Roll +/- 90° Resolution: 0.0035° Accuracy: +/- 0.005° Temperature Stability: +/- 0.5°(-45 to 110°C) Stabilisation Time: 10 secs Step Response Time: 2 secs Sample Rate: 50Hz Heartbeat Interval: 10 sec to 12 hours Buffer Size: 128Kb Pre-Alert Buffer: 8192 samples (- Post Alert Buffer) Post-Alert Buffer: 8192 samples (- Pre Alert Buffer) Pre Alert Rate: 1 sec/sample to 10 sec/sample Post Alert Rate: 1 sec/sample to 10 sec/sample Alert Thresholds: 0.5 to 70.0° Rearm Tolerance: 0.5 to 45.0° Rearm Stable: 1 sec to 300 sec Mounting Plate for epoxy glue	4	pc	32,000	128,000	1b		4	pc	500	2,000	2	Real-time Web base Monitoring system					2a	Webpage Monitoring Portal basic framework setup	1	job	14,000	14,000	2b	Webpage Monitoring Portal service (HKD 500 for 1 sensor per months : Total 4 sensors) Included: Each months SIM data card data services Equip with Real time warning Email service for AAA level asset Training for Webpage Monitoring Portal operation (1 day hardware training and 1 day software training) Remarks: - Item 2b must be Minimum 6 months per order	6	mtl	2,000	12,000	Net Total:				156,000					156000-2000=154000	Refer to description																																																						
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PA19-006 GSS wireless sensors

SOUTH

South Instruments Technology Limited

Target your success

Rm K, 6/F, Bk 2, Kin Ho Ind Bldg, No. 14 – 24 Au Pui Wan St, Fatan, Shatin, Hong Kong.

Tel : +852 6293 3993

Fax: +852 3705 0141

E-Mail : sales@southsurvey.com.hk

To : ACE Construction Co., Ltd.

Unit 4003 & 4004, 40/F, Tower 2, Metroplaza, 223 Hing Fong Road, Kwai Chung, N.T.

Attn : Mr. Gary Kam

e-mail : garykam@accd.hk

Tel : (852) 5225 4022

Fax : (852) 2439 6016

Re :

Nil : 2102001QR1

Date : 6th Jan, 2021

Surveying Instruments & Accessories

Contract No.:

Item	Description	Qty	Rate U/P (HK\$)	Amt. (HK\$)	
QUOTATION					
1	<div>GSS Vibration Series</div> <div>3G Vibration (3GV) Series</div> <div>Specification:</div> <div>Conformance: DIN45669-1</div> <div>Maximum Response: 1Hz to 1KHz</div> <div>Accuracy: +/-5%</div> <div>Sample Rate (Hz): 1000, 2000, 4000</div> <div>Peak Particle Velocity (by design): 0.05 mm/sec to 3000 mm/sec</div> <div>Peak Particle Velocity (validated): Up to 620 mm/sec</div> <div>Heartbeat interval: 30 sec to 12 hours</div> <div>Time Stamping: 1 millisecond</div> <div>Buffer Size: 1MB</div> <div>Alert SMS Numbers: 5</div>	1	pc	33,480	33,480
2	Calibrate 3G Vibration with IAS Certificate (equivalent HOKLAS)	1	no.	2,000	2,000
Net Total:				35,480	

Delivery : 1 - 2 weeks after receipt of your firm purchase order.

Payment : C.O.D.

Price : EXW Hong Kong in HK\$ Basis.

Quotation For:

Peter Lau

In Construction Ltd

26/F Park Avenue Tower, 5 Moreton Terrace

Causeway Bay, Hong Kong

Project

Construction near Sheung Wan MTR

Currency	Delivery	Payment
HKD	4 Weeks	50% upon order 50% upon delivery

Item	Description	Part No	Quantity	Unit Price	Amount
1	GSS Integrated Gateway and Vibration Sensor Kit	3GV-02	8	\$ 39,500.00	\$ 316,000.00
Subtotal					\$ 316,000.00
Handling Fees					-
TOTAL					\$ 316,000.00

Quotation valid until: 90 Days

Prepared by: Darrin Couch

Item	Description	Qty	U/P (HK\$)	Amt. (HK\$)	
Surveying Instruments Service					
1	<div>3GV GSS Vibration Sensor (3GV)</div> <div>Specification:</div> <div>Vibration Limit(X,Y,Z): +/-8G</div> <div>Maximum Response: 1Hz to 1KHz</div> <div>Accuracy: +/-5%</div> <div>Sample Rate (Hz): 1000, 2000, 4000</div> <div>Peak Particle Velocity (by design): 0.05 mm/sec to 3000 mm/sec</div> <div>Peak Particle Velocity (validated): Up to 620 mm/sec</div> <div>Buffer Size: 1MB</div> <div>Alert SMS Numbers: 5</div> <div>Data Outputs: Zero Crossing, Peak amplitude/frequency values (1Hz to 1KHz), Peak Particle Velocity (mm/s), Peak Vector Sum (mm/s)</div>	3	Set	29,380	88,140
NET Total:				88,140	

Comments or Special Instructions:

Price does not include shipping, taxes or duties.

Currency	Delivery	Payment
HKD	1 week	30 days

DESCRIPTION	PART NO	QUANTITY	UNIT PRICE	AMOUNT
3GV Vibration Monitor	3GV	2	31,580.00	63,160.00
SUBTOTAL				\$ 63,160.00
HANDLING FEES				
TOTAL				\$ 63,160.00