

RESULT OF TECHNICAL EVALUATION / DEMONSTRATION

| Ser | Item | Specs demanded by PHC | Total Marks | Grading / performance | Vital Interpnational Marks | Bahre Karam & Sons Marks |
|-----|--|--|-------------|--|---|---|
| 1. | 4K (3840 x 2160 @ 25FPS) Motorized verifocal IP camera | <ol style="list-style-type: none"> 2.8 to 12mm WDR 120db IR 60m On board storage / memory card. Reset key Intelligent / deep learning features. IP66 IK 10 Must be CE + FCC / UL listed. | 15 | <ol style="list-style-type: none"> Good (5 Marks) V. good (10 Marks) Excellent (15 Marks) | <p align="center">Quoted model (HFW3841T-ZS) 15</p> | <p align="center">Quoted model (DS-2CDD2686G2-1ZS) 05</p> <ol style="list-style-type: none"> Live view is sluggish. Switching on/off some functions need restarting of camera Night view is not good WDR function is not satisfactory. Quoted model data sheet not attached. |
| 2. | 4MP (2688 × 1520 @ 25FPS) IP full color view camera | <ol style="list-style-type: none"> 24/7 color view at 0.0005 lux WDR 130db Illumination light range 50m Intelligent / smart features face capture. On board storage / memory card Built in Mic Having reset key. IP67 CE/UL listed. | 15 | <ol style="list-style-type: none"> Good (5 Marks) V. good (10 Marks) Excellent (15 Marks) | <p align="center">Quoted model (IPC-HFW5449T-ASE-LED) 10</p> | <p align="center">Quoted model (DS-2CDD2T47G2-L) 05</p> <ol style="list-style-type: none"> Live view is sluggish. Switching on/off some functions need restarting of camera Night view is not good WDR function is not satisfactory. Quoted model data sheet not attached. |
| 3. | 4MP (2688 × 1520) verifocal IP Camera | <ol style="list-style-type: none"> Motorized verifocal 2.8 to 12mm Onboard storage / memory card. Reset key WDR 120db Intelligent / deep learning features face capture. IR 60m IP67 IK 10 CE/UL listed. | 15 | <ol style="list-style-type: none"> Good (5 Marks) V. good (10 Marks) Excellent (15 Marks) | <p align="center">Quoted model (IPC-HFW5442E-2E) 10</p> | <p align="center">Quoted model (DS-2CDD2T47G2-L) 05</p> <ol style="list-style-type: none"> Live view is sluggish. Switching on/off some functions need restarting of camera Focusing / zooming speed is slow Facial detection picture quality isn't good. Quoted model data sheet not attached. |

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| 4. | 4MP PTZ camera | <ol style="list-style-type: none"> 1. Progressive scan CMOS. 2. 25x optical and 16x digital zoom 3. IR minimum 100m 4. Intelligent / deep learning features. 5. WDR 120db 6. On board storage. 7. IP66 8. CE certified. 9. With 3-inch dia 7-feet (L shape) Pole. | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (IPC-SD49425GB-HNR)</p> <p>10</p> | <p>Quoted model (IDS-2CD2T47G2-L)</p> <p>10</p> |
| 5. | 4MP (2688 × 1520) IP ANPR (License Plate Recognition) camera | <ol style="list-style-type: none"> 1. Motorized varifocal lens 2.8 to 12mm 2. color view at 0.0005 lux 3. WDR 140db 4. Must be IP67 and IK10 5. CE/UL listed | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (ITC413-PW4D)</p> <p>15</p> | <p>Quoted model (IDS-2CD7A446G0P-1ZHS(Y))</p> <ol style="list-style-type: none"> 1. Vehicle color recognition failed 2. No plate recognition error. 3. Vehicle type recognition failed. <p>0</p> |
| 6. | 64 Port / channel 4K AI / Deep learning NVR | <ol style="list-style-type: none"> 1. Latest model 2. Minimum 8 SATA (10 TB for each HDD) interfaces for HDDs. 3. Up to 1-Ch@32MP (30FPS) and 16-Ch 1080p (30 FPS) decoding capability. 4. Up to 16-Channel for parameter protection / FR / ANPR. 5. Minimum Incoming bandwidth 400 Mbps and outgoing 400 Mbps. 6. RAID supportable. 7. Recording resolutions 32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p. 8. 128 remote connections. | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (DHI-NVR 608H-64-XI)</p> <p>15</p> | <p>Quoted model (IDS-7664NXI-M8)</p> <ol style="list-style-type: none"> 1. Quoted model was not presented for demo <p>0</p> |

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| | | <ul style="list-style-type: none"> 9. 2 RJ-45 Giga interfaces. 10. 2 HDMI and 2 VGA output 11. Advance dual streaming technology 12. CE and FCC listed. 13. With 06 Nos 4TB Surveillance Grade HDD. 14. With 02 Nos branded wireless mouse. 15. With 02 Nos 10m USB extension cable. | | | | | | |
| 7. | 16 Port / channel 4K NVR | <ul style="list-style-type: none"> 1. 16 channel 1U 4K NVR. 2. Incoming 160Mbps and outgoing bandwidth 160Mbps 3. Which Support 08TB 4. CE/FCC listed. 5. With original branded wireless mouse 6. With 2m usb extension cable. 7. With 4TB new surveillance grade HDD. 8. With branded high quality rack for NVR (rack having 4 Port PDU, double circuit breaker, front mirror, lock) | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) 2. V. good (10 Marks) 3. Excellent (15 Marks) | 15 | Quoted model (DHI-NVR 4116HS-ED) | 0 | <ul style="list-style-type: none"> 1. Quoted model (DS-7616NI-K2) for demo |
| 8. | 55 inch screen | <ul style="list-style-type: none"> 1. 4K 3840*2160 (4K UHD) original screen. 2. Model Not be older than 2022. 3. Crystal Processor 4K, Airslim design, 3 bezel-less 4. PQI (Picture Quality Index)2200 5. HDR10+ support 6. Bluetooth (BT5.2) support, Triple protection, Noise reduction 7. WIFI direct, one billion color, HLG (Hybrid log gamma) 8. Web service Microsoft365 9. 3 HDMI, 2 USB | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) 2. V. good (10 Marks) 3. Excellent (15 Marks) | 15 | Quoted model (55BU8000) | 15 | Quoted model (55BU8000) |

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| | | <ul style="list-style-type: none"> 10. optical digital audio out 11. IPv6 support 12. With 4k 10m high quality HDMI cable 13. With all accessories (wall mount stand etc) | | | | |
| 9. | PTZ camera Controller | <ul style="list-style-type: none"> 1. Full-featured network keyboard 2. OEM Brand. 3. Supports various cameras, NVRs, DVRs 4. Flexible 4-axis joystick 5. Buttons can be used to perform powerful functions 6. Ethernet interface 1 x 10 M/100 Mbps self-adaptive 7. Serial interface 1 RS-232, 1 RS-422, 1 RS-485 | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | Quoted model (NKB5000) 15 | <p style="text-align: center;">0</p> <p>Quoted model (DS-1200KI) Due to technical / configuration issue controller was not in functioning condition.</p> |
| 10. | 24 Port gigabit Core switch for PHC control room. | <ul style="list-style-type: none"> 1. OEM Brand. 2. Having minimum 12 x Gigabit SFP fiber optical port and 8 x giga Ethernet ports 3. CE / FCC certified 4. 8 x Gigabit PoE ports. 5. OEM Brand 6. 1 x Gigabit SFP fiber optical port 7. 1 x giga RJ-45 uplink port 8. POE power budget minimum 90 to 110 watt 9. Metal casing. 10. CE / FCC / UL certified | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | Quoted model (24GF8GT4XF) 15 | <p style="text-align: center;">0</p> <p>Quoted model (DS-3E0524TF) Quoted model was not presented for demo</p> |
| 11. | 8 Port PoE switch | <ul style="list-style-type: none"> 1. 4 x Gigabit PoE ports 2. OEM Brand. 3. 1 x giga RJ-45 uplink port 4. POE power budget minimum 60 watt 5. Metal casing. 6. CE / FCC / UL certified | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | Quoted model (PFS4212-8GT-96) 15 | <p style="text-align: center;">0</p> <p>Quoted model (DS-3E0510P-E) Quoted model was not presented for demo</p> |
| 12. | 4 Port PoE switch | <ul style="list-style-type: none"> 1. 4 x Gigabit PoE ports 2. OEM Brand. 3. 1 x giga RJ-45 uplink port 4. POE power budget minimum 60 watt 5. Metal casing. 6. CE / FCC / UL certified | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | Quoted model (PFS3006-4GT-60) 15 | <p style="text-align: center;">15</p> <p>Quoted model (DS-3E0505P-E)</p> |
| 13. | SFP module | Data Rate 1Gbps Distance 0 to 20kms | 15 | <ul style="list-style-type: none"> 1. Good (5 Marks) | Quoted model (DAHUA TECH) 15 | <p style="text-align: center;">15</p> <p>Quoted model (HK-SFP-1.25G-20-</p> |

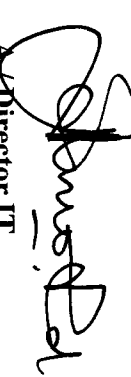
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| | | | 2. V.good (10 Marks) 3. Excellent (15 Marks) | | 1310) |
| 14. | 10U Rack for control room | <ol style="list-style-type: none"> 1. Branded. 2. Front mirror. 3. Steel material 4. Dual Locks with keys 5. Cooling fans. 6. Wall mounted 7. With minimum 8 Port PDU 8. Compatible to cater all accessories as per CCTV design. | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (NOT MENTIONED) rack was not presented for demo</p> <p>0</p> | <p>Quoted model (Roswell branded) rack was not presented for demo</p> <p>0</p> |
| 15. | High quality Outdoor waterproof DB / enclosure for PoE switch, UPS, fiber enclosure etc | <ol style="list-style-type: none"> 1. Minimum 18 gauge. 2. Must have tray / shelf's for holding PDU, rack mount UPS, PoE switch, OFC kit, OFC etc 3. Weather and rust proof painted. 4. Lock with keys. 5. Compatible to cater all accessories as per CCTV design. 6. With double circuit breaker. 7. With Minimum 4 port PDU | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (NOT MENTIONED) DB not presented for demo</p> <p>0</p> | <p>Quoted model (Local) DB not presented for demo</p> <p>0</p> |
| 16. | CAT-6 Cable | <ol style="list-style-type: none"> 1. ISO certified brand / UL listed. 2. 0.565 (23AWG). 3. 305m / Roll. 4. Solid bare copper (99.95%) 75C U/UTP 5. Life time of cable 10 year or higher. | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (PFM9201-6U-U)</p> <p>15</p> | <p>Quoted model (DS-1LN6U-SC0)</p> <p>15</p> |
| 17. | 4K HDMI video / screen Splitter | <ol style="list-style-type: none"> 1. 4 Port 2. HDMI splitter. | <ol style="list-style-type: none"> 1. Good (5 Marks) 2. V-good (10 Marks) 3. Excellent (15 Marks) | <p>Quoted model (IMP) not presented for demo</p> <p>0</p> | <p>Quoted model (CHINA) not presented for demo</p> <p>0</p> |


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| 18. | 2 Core flexible electric wire | 1. ISO certified brand 2. Cores Minimum 2.5mm (or higher if required). | 1. Good (5 Marks) 2. V.good (10 Marks) 3. Excellent (15 Marks) | 15 Quoted model (GM) | 0 Quoted model (PAK CABLE) Cable not presented for demo |
| 19. | ODF for PHC control room | 1. 24 port rack mounted full loaded ODF. 2. Dust cover : 2PVC 3. Environment temp -40 to +50 | 1. Good (5 Marks) 2. V.good (10 Marks) 3. Excellent (15 Marks) | 0 Quoted model (ULTRA) not presented for demo | 0 Quoted model (CHINA) not presented for demo |
| 20. | OFC Joint enclosure | 1. 08 Port plastic OFC joint enclosures / tray. 2. Must be suitable for mounting in rack | 1. Good (5 Marks) 2. V.good (10 Marks) 3. Excellent (15 Marks) | 0 Quoted model (ULTRA) not presented for demo | 0 Quoted model (NOT MENTIONED) not presented for demo |
| 21. | OFC Cable | 1. High quality 4 core 2. ISO certified brand. | 1. Good (5 Marks) 2. V.good (10 Marks) 3. Excellent (15 Marks) | 15 Quoted model (LITANG) | 0 Quoted model (AMC) not presented for demo |
| 22. | Poles for boundary wall cameras | 1. 2 inch dia painted pipe. 2. Minimum 5 feet length 3. T and L Type (as per location requirement) 4. Must be fixed on Rawal bolts and Pole must be easily removable for rectification of faults in camera. | 1. Good (5 Marks) 2. V.good (10 Marks) 3. Excellent (15 Marks) | 0 Quoted model (NOT MENTIONED) not presented for demo | 0 Quoted model (LOCAL) not presented for demo |
| 23. | Poles for cameras | 1. 1 inch dia painted pipe. 2. Minimum 2 feet length 3. T and L Type (as per location requirement) 4. Must be fixed on Rawal bolts and Pole must be easily removable for rectification of faults in camera. | 1. Good (5 Marks) 2. V.good (10 Marks) 3. Excellent (15 Marks) | 15 Quoted model (NOT MENTIONED) not presented for demo | 0 Quoted model (LOCAL) not presented for demo |

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| 24. | Junction box for camera mounting | <ol style="list-style-type: none"> OEM brand aluminum alloy / metal junction box Weight minimum 300g Weather proof / Water proof IP66 / IP67. | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | Quoted model (PFA-121) 15 | Quoted model (DS-1280ZJ-XS) 15 |
| 25. | Flexible pipe | <ol style="list-style-type: none"> Metal 1-inch flexible pipe | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | Quoted model (TURK PLAST) not presented for demo 0 | Quoted model (BANDED) not presented for demo 0 |
| 26. | U/PVC pipe | <ol style="list-style-type: none"> ISO certified brand / UL listed 1-inch. | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | Quoted model (TURK PLAST) 15 | Quoted model (GM) not presented for demo 0 |
| 27. | U/PVC pipe | <ol style="list-style-type: none"> ISO certified brand / UL listed 2-inch. | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | Quoted model (TURK PLAST) not presented for demo 0 | Quoted model (GM) not presented for demo 0 |
| 28. | Duct | <ol style="list-style-type: none"> ISO certified brand Size 1.5 x 1.5 | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | Quoted model (ADAMII) not presented for demo 0 | Quoted model (KSA) not presented for demo 0 |
| 29. | Rack mounted online UPS | <ol style="list-style-type: none"> Rack mount EU / UL / ISO certified brand 1.5 KVA UPS | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | Quoted model (ESI02RT) 15 | Quoted model (APC / BRANDED) not presented for demo 0 |
| 30. | 01 Year comprehensive warranty of the whole system | | 15 | <ol style="list-style-type: none"> 1 Yr (5 Marks) 2 Yrs (10 Marks) 3 Yrs (15 Marks) | PROVIDED 1 YEAR WARRENTY 05 | PROVIDED 2 YEAR WARRENTY 10 |
| 31. | List of technical staff involved in the project | | 15 | <ol style="list-style-type: none"> Good (5 Marks) V.good (10 Marks) Excellent (15 Marks) | 15 | 10 |

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| 32. | Regional Office (Peshawar / Islamabad) | 15 | Peshawar / Islamabad (15 Marks) | 15 | QUALIFIED FOR NEXT STAGE OF FINANCIAL BID OPENING | 0 No office is available at Islamabad / Peshawar. | |
| | Total Performance / Grading Marks | 480 | Total Obtained Marks | 305 (63.5%) | | | 120 (25%) |
| STATUS | | | | | | | DIS-QUALIFIED |



B&A ASSISTANT
 Muhammad Abbas / Member



Director IT
 Noor Muhammad / Chairman



CCTV SUPERVISOR
 Muhammad Asif / Member


CCTV TECHNICIAN
 Ihsan ahmed / Member


HC TECHNICAL S.B
 Muhammad Zahid / Member


CCTV OPERATOR
 Hazrat Ali / Member


CCTV OPERATOR
 Kashif Khan / Member


CCTV OPERATOR
 Said Ul Amin / Member