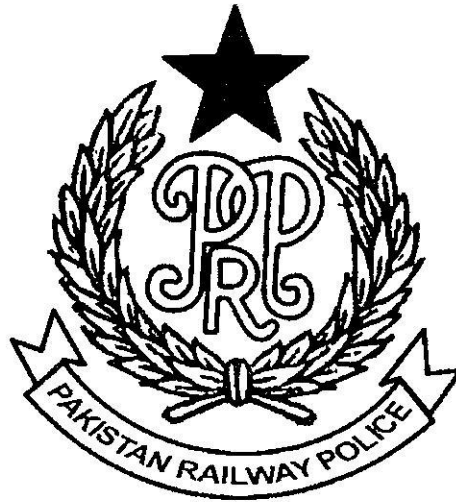


Superintendent of Police  
Pakistan Railways, Multan

**PAKISTAN RAILWAYS POLICE**  
**MULTAN DIVISION**



**FINANCIAL PROPOSAL**

**PROCUREMENT, INSTALLATION, TESTING AND COMMISSIONING**  
**OF IP CAMERAS (BULLET CAMERAS & PTZ SPEED DOME)**  
**ELECTRICAL AND FURNITURE**

(Approximate Cost Rs. \_\_\_\_\_)

M/s \_\_\_\_\_

**FINANCIAL BID FOR SUPPLY/INSTALLATION OF IP CAMERAS  
AT RAILWAY STATIONS, MULTAN CANTT: AND KHANEWAL**

S #	DESCRIPTION	AMOUNT
1.	<b>SPECIFICATIONS OF 5 MP IP HD NETWORK CAMERA (Quantity= )</b>	In figures Rs. _____
i.	5MP (2560x 1920) original resolution mode.	In words Rs. _____
ii.	Progressive scan 1/(1.8/2.5-3.2).	_____
iii.	SNR 50 db.	_____
iv.	Lens DC auto iris/P-iris/varifocal (not less than 2.8 mm) manual & remote control focus, adjustable angle/max degree/zooming facility/ waterproof.	
v.	Day & Night auto min up to 50 m (IR/ICR).	
vi.	WDR minimum 120 db POE/better, frame rate 30 fps/higher.	
vii.	Motion detection/ private masking Tampering /POE.	
viii.	Serial interface RS-232/RS-485 Key board, joy stick.	
ix.	Video compression format H.264/5 MJPEG.	
x.	Ethernet RJ-45 as per standard.	
xi.	Frame rate at all resolutions 30 fps higher will be preferable.	
xii.	Multiple streaming.	
xiii.	Protocols TCP/IP, UDP/IP, HTTP, ICMP, DNS.	
xiv.	Storage Micro SD/SDHC/SATA (up to 64GB).	
xv.	Programming interface ONVIF, Window-7/Vista/Internet Explorer.	

xvi.	Network IPV-6/4,light weight/defog/face detection/line detector/field detector.	
xvii.	Power ac 24Vac, 12dc POE (IEEE 802.3af class-3).	
xviii.	Operating temperature -10 to + 55.	
xix.	Mounting screws, bracket, specification sheets user manual & installation guide CD, Service warranty three years and equipment warranty 3 years, bidder is required to submit test result reports and all relevant certifications.	
xx.	All required accessories from the same manufacture if applicable.	
xxi.	Complete in all respect.	
<b>2. SPECIFICATIONS OF 5 MP IP HD PTZ CAMERA (Quantity= )</b>		
i.	5 MP original resolutions (2560x1920).	In figures Rs. _____ In words Rs. _____
ii.	Optical zoom/lens (30/32)X.	_____
iii.	Image sensor 1/(2.5/2.8-3).	_____
iv.	Rotate range 360 degree.	
v.	WDR minimum 120 db/better.	
vi.	Not less than 30/60 fps.	
vii.	Multiple streaming.	
viii.	IR range 100-150 m/better.	
ix.	Progressive scan system.	
x.	Day and night auto.	
xi.	Video compression H.264/5 (High profile supported)/MJPEG/SD Card.	
xii.	Programming interface ONVIF profiles, Protocol IPV4/6, TCP.	
xiii.	Programming interface ONVIF, HTTP.	
xiv.	Ethernet RJ-45 10/100 BASE-T Security Password protection, HTTPS/IEEE 802.1 Open Protocol.	

xv.	ONVIF, Protocol IPv4/6,TCP/IP.	
xvi.	Backlight Compensation Off / BLC / HLC / WDR.	
xvii.	AC24V/12dvc PoE (IEEE802.3a) , freq 50/60 HZ.	
xviii.	Motion detection/IP66/light weight/weather proof defog/face detection/line detector/field detector.	
xix.	Temperature -10°C ~ +55°C.	
xx.	Mounting screws, brackets specification sheets user manual & installation guide CD, Service warranty three years & equipment warranty 3 years, successful bidder is required to submit test result reports and all relevant certifications.	
xxi.	All accessories from the same manufacture if applicable.	
xxii.	Complete in all respect.	
<b>3. SPECIFICATIONS OF 16 CHENNAL NETWORK VIDEO RECORDER (Quantity= )</b>		In figures Rs. _____
i.	16IP camera inputs.	In words Rs. _____
ii.	16 channel real time full HD recording.	_____
iii.	16 ports POE switch.	_____
iv.	Frame rate 25-30/60fps recording, built in POE switch, compatible with ONIF, third party camera support, ISCSI support.	_____
v.	Combined VGA/HDMI output, H.264/5, MJPEG.	
vi.	Search Mode day & time/event log.	
vii.	Hard disk not less than 30 days storage capacity on 5 MP.	
viii.	Network interface RJ-45.	
ix.	Serial interface RS-232/RS485/Key Board, Mouse.	
x.	Protocol TCP/IP, IPV4/6, temperature -10-55c.	

xi.	Input voltage 100-240v AC, alarm in/out.	
xii.	3 years equipment warranty, 3 year service warranty, successful bidder is required to submit test result reports and all relevant certifications.	
xiii.	Compatible with cameras.	
<b>4. SPECIFICATIONS OF UPS 1.5/2 KV</b> <b>(Quantity= )</b>		In figures Rs. _____ In words Rs. _____ _____ _____
i.	1.5/2 KVA 12/24 VDC pure sine wave having backup 2 hours.	
ii.	LED display & Alarm when ON/OFF.	
iii.	Line interactive. Alarms on battery, low battery, delays, typical recharge time 24 hour, overload battery health, cut off display, overload protection.	
iv.	Communications Interface RS-232, Relay control output Frequency (Hz) * 50 / 60.	
v.	Mountable rack for maintenance free dry batteries with complete installation, cabling & configuration and testing and with standard manufacturing warranty or etc.	
vi.	12 months replacement warranty of maintenance free dry batteries after installation.	
vii.	12 months UPS warranty.	
viii.	Mounting stand included.	
ix.	Only for LHR station 2 KVA is required.	
5.	<b>KEY BOARD CONTROLLER</b> <b>(Quantity= )</b> Compatible with PTZ cameras, superior system compatibility by CMS, SSM support 3d joy stick USB interface, firmware upgrade, and connation with NVR.	In figures Rs. _____ In words Rs. _____ _____ _____

6.	<p><b><u>LED SCREEN (Quantity= )</u></b>  40/21 inch LED Screen, high contrast ratio, minimum 2 HDMI ports, along with all accessories, complete in all respect.(SAMSUNG/SONY/LG/EQUIVALENT).</p>	<p>In figures Rs. _____  In words Rs. _____  _____  _____</p>
7.	<p><b><u>NETWORK SWITCH POE (TYPE-I) (Quantity= )</u></b>  Fixed configuration enabled industrial grade manageable minimum 12 port, layer 2 aggregation with rack mount kit, 8 ports 10/100/1000Mbps SFP, minimum 4 x 1000baseX SFP ports for OFC rings installation supports MSTP/RSTP/STP ring control protocols, ether net ring redundancy, support port recovery time &lt; 20ms, based VLAN &amp; IEEE 802 Tag VLAN, operating temperature-20 to + 70 degree with slandered warranty Brands  CISCO/JUNIPER/MOXA/EQUIVALENT.</p>	<p>In figures Rs. _____  In words Rs. _____  _____  _____</p>
8.	<p><b><u>SFP MODULE (Quantity= )</u></b>  Industrial Giga bit SFP module single mode. Brand ISCO/JUNIPER /better.</p>	<p>In figures Rs. _____  In words Rs. _____  _____  _____</p>
9.	<p><b><u>UTP CABLE (Quantity= )</u></b>  4 pair category 6 UTP cable complete with installation, testing commissioning. Standard manufacturing warranty.</p>	<p>In figures Rs. _____  In words Rs. _____  _____  _____</p>
10.	<p><b><u>PIGTAILS (Quantity= )</u></b>  Pigtails S, 1 meter, single mode with complete installation.</p>	<p>In figures Rs. _____  In words Rs. _____  _____  _____</p>

11.	<b>SPLICING (Quantity= )</b> Fiber optic cable fusion splicing single mode with complete installation of arial/direct burred/duct buried/indoor/ outdoor cables per sample, successful bidder is required to submit test result reports.	In figures Rs. _____ In words Rs. _____ _____ _____
12.	<b>FIBER PATCH CARD (Quantity= )</b> Single mode fiber patch card with complete installation.	In figures Rs. _____ In words Rs. _____ _____ _____
13.	<b>FIBER PATCH PANEL/ODF (Quantity= )</b> 12 port rack mountable fiber patch panel /ODF single mode. Complete splice tray and installation for Control Room.	In figures Rs. _____ In words Rs. _____ _____ _____
14.	<b>FIBER PATCH PANEL/ODF (Quantity= )</b> 4/6 port rack mountable fiber patch panel /ODF single mode. Complete splice tray. and installation for Control Room.	_____ _____ _____ _____
15.	<b>DATA CABINET For CCTV Control ROOM (Quantity= )</b> 42 U Rack mounting Surveillance Equipment, UPS and Switches, installation, configuration, testing and commissioning and standard manufacturer warranty.	In figures Rs. _____ In words Rs. _____ _____ _____
16.	<b>OUTDOOR WEATHER PROOF DATA CABINET (Quantity= )</b> Weather proof outdoor data cabinet 4 U, Mounted to cemented base, having minimum 03 sockets door and key complete with all accessories, installation with standard manufacturer warranty.	In figures Rs. _____ In words Rs. _____ _____ _____

17.	<p><b><u>UPVC CONDUIT (Quantity= )</u></b>          1"/1 1/2" UPVC Pipe, complete with all necessary fixing, accessories, laying and installation.          Brand: Turk/Popular/Beta/ Adamjee /Equivalent.</p>	<p>In figures Rs. _____          In words Rs. _____          _____          _____</p>
18.	<p><b><u>GI CONDUIT (Quantity= )</u></b>          1" GI Pipe, complete with all necessary fixing, accessories, laying and installation.</p>	<p>In figures Rs. _____          In words Rs. _____          _____          _____</p>
19.	<p><b><u>POWER CABLE (Quantity= )</u></b>          Power cable 2 Core 2.5mm Centralized from the control room to each data cabinet.          Brand: Pakistan Cables/ Fast Cables/ New age/allied cables.</p>	<p>In figures Rs. _____          In words Rs. _____          _____          _____</p>
20.	<p><b><u>POLE 10/15 FEET FOR CAMERAS (Quantity= )</u></b>          10/15 Feet Pole for PTZ Cameras with Foundation Base and Complete Installation or as per requirement.</p>	<p>In figures Rs. _____          In words Rs. _____          _____          _____</p>
21.	<p><b><u>DIGGING/CEMENT/ CONCRETE CUTTING (Quantity= )</u></b>          Digging/Cement/ Concrete Cutting with Backfilling (As per actual).</p>	<p>In figures Rs. _____          In words Rs. _____          _____          _____</p>
22.	<p><b><u>Internet Device/Connection (Quantity= )</u></b>          At least 20 MB flash fiber</p>	<p>In figures Rs. _____          In words Rs. _____          _____          _____</p>

<p>23.</p>	<p><b>TABLE (Quantity= )</b> 2 Wooden (5'*3').</p>	<p>In figures Rs. _____</p> <p>In words Rs. _____</p> <p>_____</p> <p>_____</p>
<p>24.</p>	<p><b>CHAIR (Quantity= )</b> 2 Revolving &amp; 12 Wooden.</p>	<p>In figures Rs. _____</p> <p>In words Rs. _____</p> <p>_____</p> <p>_____</p>

Signatures of Contractor \_\_\_\_\_

CNIC # \_\_\_\_\_

NTN # \_\_\_\_\_ Dated \_\_\_\_\_

  
 Superintendent of Police 12/7/23  
 Pakistan Railways Multan