

BOARD OF SCHOOL EDUCATION HARYANA, BHIWANI
Quotation Notice

Quotation Notice No. 63/Gen

Date:- 21.08.2026

Subject: Purchase of 8 Port Networking POE Switch.

Quotations are invited for purchase of 8 Port Networking POE Switch as per specification enclosed Annexure-I, II & Annexure-III, subject to the terms and conditions mentioned in Annexure-IV. Quotations must reach to E-mail address: ratesbseh@gmail.com latest upto 02:00 PM on 27.08.2026.

In case the quotationer does not implicitly follow all these instructions terms and conditions (as in Annexure-IV) quotations cannot be considered. The maximum period of delivery is 05 days from the date of placing the orders.

Quotations will be opened on the same day subject to availability of competent authority.



Assistant Secretary (General)
for Secretary

Items Requirement List

No.: 63/Gen

Date: 21.08.2026

Sr. No.	Description of item	Quantity Required	Cost of item to be quoted by the quotationer including all taxes in figure and words
1.	8 Port Networking POE Switch RUCKUS ICX 8200-C08PF POE Full Specification as per Annexure-II	1 Set	Rs. _____ per Set. In words _____
2.	8 Port Networking POE Switch NETGEAR GS510TLP Full Specification as per Annexure-III		Rs. _____ per Set. In words _____

(Space to be used by the Quotationer for quoting the rates of the items both in figure and words. The same Annexure is to be sent back to board after filling up the rates by email. The quantity of above items can be increased/decreased by this office.)

It is certified that the instructions, terms and conditions of the Quotation Notice are acceptable and the rates of the items in Annexure-I quoted by me are correct.

1. Name of Quotationer _____
2. Name of Firm/Agency _____
3. Address of Firm/Agency _____
4. PAN No. _____
5. GST No. (Mandatory) _____
6. Mobile No./E-mail Id _____
7. Reg. No. of the firm/agency _____
8. Name of the Bank in which Quotationer has account _____
9. Name of the Branch of the Bank _____
10. Account No. of the Quotationer _____
11. I.F.S.C Code of the Bank Branch _____
12. It is certified that this firm is not debarred by department of Industries & commerce or any other Govt. Department/Agency of the State.
13. It is certified that goods will be provided as per rate given by my firm and there will be no difference in rate for next 120 days.

Signature of Quotationer
With seal/stamp

To

The Asstt. Secretary (General)
Board of School Education Haryana,
Bhiwani-127021

Specification

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RUCKUS ICX 8200 Compact

These RUCKUS ICX 8200 compact switches offer a single integrated power supply, one USB Type-C port for console management, one RJ-45 Ethernet port for out-of-band network management, one RJ-45 port for serial/console management, and one USB port for external file storage.



ICX 8200-C08PF PoE

- 8x 10/100/1000 Mbps RJ-45 PoE+ ports
- 2x 1/10GbE uplink/stacking SFP+ ports
- 124 W PoE budget PoE+ 802.3at



ICX 8200-C08ZP Multigigabit PoE

- 4x 100/1000/2500 Mbps RJ-45 PoE++ 90W ports
- 4x 1/2.5/5/10 Gbps RJ-45 PoE++ 90W ports
- 2x 1/10/25 GbE uplink/stacking SFP28 ports
- 240 W PoE budget

RUCKUS ICX 8200 Fiber

These stackable RUCKUS ICX 8200 models offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial/console management, and one USB port for external file storage.



ICX 8200-24F Fiber

- 24x 1GbE SFP ports
- 4x 1/10/25 GbE uplink/stacking SFP28 ports



ICX 8200-48F Fiber

- 48x 1GbE SFP ports
- 4x 1/10/25 GbE uplink/stacking SFP28 ports



ICX 8200-24FX 10G Fiber

- 16x 1/10GbE SFP+ ports
- 8x 1/10/25 GbE uplink/stacking SFP28 ports

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RUCKUS ICX 8200 Feature/Model Comparison

Feature	Gigabit Compact	Gigabit Non-PoE		Gigabit PoE			
	RUCKUS ICX 8200-C08PF	RUCKUS ICX 8200-24	RUCKUS ICX 8200-48	RUCKUS ICX 8200-24P	RUCKUS ICX 8200-48P	RUCKUS ICX 8200-48PF	RUCKUS ICX 8200-48PF2
Switching capacity (data rate, full duplex)	56 Gbps	248 Gbps	296 Gbps	248 Gbps	296 Gbps	296 Gbps	296 Gbps
Forwarding capacity (data rate, full duplex)	42 Mpps	184 Mpps	220 Mpps	184 Mpps	220 Mpps	220 Mpps	220 Mpps
10/100/1000 Mbps RJ45	8	24	48	24	48	48	48
100/1000 Mbps SFP uplinks							
1/10 Gbps SFP/SFP+ uplinks	2						
1/10/25 Gbps SFP/SFP+/SFP28 uplinks		4	4				
PoE/PoE+ 802.3at ports	8			4	4	4	4
uPoE and PoH* ports				24	48	48	48
Dual hot-swap power supplies and fan modules							
Max PoE Class 3 ports (15.4 W per port)	8						Yes
Max PoE+ Class 4 ports (30 W per port)	4			24	48	48	48
Energy Efficient Ethernet (802.3az)				12	12	24	48 (2 PSU)
Base IPv4/v6 Layer 3 routing (static routing, RIP)	Yes						
Advanced IPv4/v6 Layer 3 (OSPF, VRRP, VRF, GRE, PIM, BGP)	Yes						
Aggregated stacking bandwidth (data rate, full duplex)	240 Gbps	With License					
Stacking density (maximum switches in a stack)		1.2 Tbps					
Stacking ports (maximum ports usable for stacking)	Up to 2x10 GbE SFP+	12					
Maximum stacking distance (distance between stacked switches)		Up to 4x25 GbE SFP28					
		10 km					

* LLDP request from PD required.

RUCKUS ICX 8200 Ordering Information

Part Number	RUCKUS ICX 8200 Switches with Three-Year Remote TAC support TAA-Compliant
ICX8200-C08PF	RUCKUS ICX 8200 Compact Switch, 8x10/100/1000 Mbps PoE+ ports, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-C08ZP	RUCKUS ICX 8200 Compact Switch, 4x100/1000/2500 Mbps PoE++ ports, 4x 1/2 S/5/10Gbps PoE++ ports, 2x25 GbE SFP28 stacking/uplink-ports, 240 W PoE budget, three-year remote TAC support. Power cord not included. Must use power cord with high temperature C15 connector.
ICX8200-24	RUCKUS ICX 8200 Switch, 24x10/100/1000 Mbps ports, 4x25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-24P	RUCKUS ICX 8200 Switch, 24x10/100/1000 Mbps PoE+ ports, 4x25 GbE SFP28 stacking/uplink-ports, 370 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-24ZP	RUCKUS ICX 8200 Switch, 24x100/1000/2500 Mbps PoE++ ports, 4x25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-48	RUCKUS ICX 8200 Switch, 48x10/100/1000 Mbps ports, 4x25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-48P	RUCKUS ICX 8200 Switch, 48x10/100/1000 Mbps PoE+ ports, 4x25 GbE SFP28 stacking/uplink-ports, 370 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-48PF	RUCKUS ICX 8200 Switch, 48x10/100/1000 Mbps PoE+ ports, 4x25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-48PF2-E	RUCKUS ICX 8200 Switch, 48x10/100/1000 Mbps PoE+ ports, 4x25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget (with one PSU), hot swap power supplies and fans, one power supply and one fan included, three-year remote TAC support. Power cord not included.
ICX8200-48PF2-E2	RUCKUS ICX 8200 Switch, 48x10/100/1000 Mbps PoE+ ports, 4x25 GbE SFP28 stacking/uplink-ports, 1440 W PoE budget, not swap power supplies and fans, two power supplies and two fans included, three-year remote TAC support. Power cords not included.
ICX8200-48ZP2-E	RUCKUS ICX 8200 Switch, 32x10/100/1000 Mbps PoE+ ports, 16x100/1000/2500 Mbps RJ-45 PoE++ ports, 4x25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget (with one PSU), hot swap power supplies and fans, one power supply and one fan included, three-year remote TAC support. Power cord not included.
ICX8200-48ZP2-E2	RUCKUS ICX 8200 Switch, 32x10/100/1000 Mbps PoE+ ports, 16x100/1000/2500 Mbps RJ-45 PoE++ ports, 4x25 GbE SFP28 stacking/uplink-ports, 1480 W PoE budget, hot swap power supplies and fans, two power supplies and two fans included, three-year remote TAC support. Power cords not included.
ICX8200-24F	RUCKUS ICX 8200 Switch, 24x100/1000 Mbps SFP ports, 4x25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-48F	RUCKUS ICX 8200 Switch, 48x100/1000 Mbps SFP ports, 4x25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-24FX	RUCKUS ICX 8200 Switch, 16x1/10GbE SFP+ ports, 8x25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.

Part Number	RUCKUS ICX 8200 Power Supplies, Fans and Accessories
ICX8200-PREM-LIC	ICX 8200 Layer 3 premium license. Enables advanced layer 3 features (OSPF, VRRP, PIM, PBR, VRF, GRE).
RP523-E	Hot-swap 920 W AC PoE power supply, front to back airflow. Only applicable to the ICX8200 models with hot swap power supplies (up to 2 per switch). Power cord not included.
LAX-FAN13-E	Hot-swap fan tray front to back airflow. Only applicable to the ICX8200 models with hot swap fans (up to 2 per switch).
XBR-R000295	1U, 1.5U, and 2U Universal Kit for Four-Post Racks.
ICX7000-RMK	Two-post fixed rack mount kit.
ICX7000-C12-RMK	Rack mount kit for compact switches.
ICX7000-C12-WMK	Wall Mount Bracket Kit for compact switches.
ICX-DIN-MNT	DIN rail mount kit.
CC-USBC-USBA	USB 2.0 Cable, Type-C to Type-A, 1 meter (for USB Type-C console port).
CC-RJ45-DB9	Console cable RJ45-RJ45 with RJ-45-DB9 Adapter (for RJ-45 console port).



Data Sheet | GS510TLP, GS510TPP, GS418TPP

Gigabit PoE+ Smart Switches

Technical Specifications	GS510TLP	GS510TPP	GS418TPP
10M/100M/1G RJ-45 copper ports	8	8	16
PoE / PoE+ ports	8 PoE+ (75W PoE budget)	8 PoE+ (190W PoE budget)	16 PoE+ (240W PoE budget)
100M/1G SFP (fiber) ports	2 (dedicated)	2 (dedicated)	2 (dedicated)
USB port (for config file upload/backup & firmware updates)	No	No	Yes
Performance Specification			
CPU	400 MHz Cortex-A9 Single Core, 512MB RAM 16MB SPI + 256MB NAND FLASH		
Packet buffer memory (Dynamically shared across only used ports)	1.5 MB		
Forwarding modes	Store-and-forward		
Bandwidth	20Gbps		
Priority queues	8		
Priority queuing	Weighted Round Robin (WRR) and Strict Priority		
MAC Address database size (48-bit MAC addresses)	16K		
Multicast Groups	512		
Number of IPv4 static routes	32		
Number of IPv6 static routes	32		
Number of ARP/NDP cache entries	256		
Number of VLANs	479 ARP / 223 NDP		
Number of DHCP snooping bindings	8K		
Access Control Lists (ACLs)	100 shared for MAC, IP and IPv6 ACLs		
Packet forwarding rate (64-byte packet size) (Mpps or Mpps)	14.88	14.88	26.78
Jumbo frame support	Up to 9K packet size		
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	0 dBA	32 dBA	33 dBA
Mean Time Between Failures (MTBF) @ 25° C	913,368 hours	1,509,979 hours	1,364,013 hours
100M Copper Latency (64-byte; 1518-byte; 9216-byte frames)	8.725µs ; 8.119µs ; 8.119µs	8.725µs ; 7.933µs ; 8.119µs	7.457µs ; 7.494µs ; 7.416µs
1G Copper Latency (64-byte; 1518-byte; 9216-byte frames)	3.313µs ; 3.293µs ; 3.293µs	3.313µs ; 3.322µs ; 3.293µs	3.195µs ; 3.198µs ; 3.176µs
1G Fiber Latency (64-byte; 1518-byte; 9216-byte frames)	2.402µs ; 2.372µs ; 2.372µs	2.402µs ; 2.405µs ; 2.372µs	2.395µs ; 2.402µs ; 2.376µs
L2 Services - VLANs			
Number of VLAN Supported	256		
IEEE 802.1Q VLAN tagging	Yes		
IP-based VLANs	Yes		
MAC-based VLANs	Yes		
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address		
Auto-VoIP	Yes, based on protocols (SIP, H.323 and SCCP). Prioritizes traffic to a higher queue		

IEEE Network Protocols	GS510TLP	GS510TPP	GS418TPP
• IEEE 802.3 Ethernet • IEEE 802.3u 100BASE-T • IEEE 802.3ab 1000BASE-T • IEEE 802.3af PoE • IEEE 802.3at PoE+ • IEEE 802.3az Energy Efficient Ethernet (EEE) • IEEE 802.3ad Trunking (LACP) • IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX	• IEEE 802.3x Full-Duplex Flow Control • IEEE 802.1Q VLAN Tagging • IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED) • IEEE 802.1p Class of Service • IEEE 802.1D Spanning Tree (STP) • IEEE 802.1s Multiple Spanning Tree (MSTP) • IEEE 802.1w Rapid Spanning Tree (RSTP) • IEEE 802.1x RADIUS Network Access Control		
Management			
Password management		Yes	
Configurable management VLAN		Yes	
Admin access control via RADIUS and TACACS+		Yes	
IPv6 management		Yes	
SNTP client over UDP port 123		Yes	
SNMP v1/v2c		Yes	
SNMP v3 with multiple IP addresses		Yes	
RMON group 1,2,3,9		Yes	
Port mirroring		Yes	
Many-to-one port mirroring		4	
Web browser-based graphical user interface (GUI)		Yes (English, German and Japanese supported)	
Dual software (firmware) image		Yes	
Dual configuration file		Yes	
Cable test utility		Yes	
SSL/HTTPS Web-based access (version)		Yes (v3)	
TLS Web-based access (version)		Yes (v1.0)	
File transfers (uploads, downloads)		TFTP / HTTP	
HTTP upload/download (firmware)		Yes	
Syslog (RFC 3164)		Yes	
USB port for firmware and config upload /download	No	No	Yes
LEDs			
Per port		Speed, Link, Activity	
Per device		Power and Fan	
Physical Specifications			
Dimensions (W x D x H)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	440 x 100 x 43 mm (17.3 x 3.9 x 1.7 in)
Weight	1.74 kg (3.84 lb)	1.83 kg (4.03 lb)	2.14 kg (4.72 lb)

Network Security	GS510TLP	GS510TPP	GS418TPP
IEEE 802.1x		Yes	
Guest VLAN		Yes	
RADIUS-based VLAN assignment via .1x		Yes	
MAC-based .1x		Yes	
RADIUS accounting		Yes	
Access Control Lists (ACLs)		L2 / L3 / L4 ingress	
IP-based ACLs (IPv4 and IPv6)		Yes	
MAC-based ACLs		Yes	
TCP/UDP-based ACLs		Yes	
MAC lockdown		Yes	
MAC lockdown by the number of MACs		Yes	
Control MAC # Dynamic learned entries		4096	
Control MAC # static entries		96	
IEEE 802.1x RADIUS port access authentication		Yes	
Port-based security by locked MAC addresses		Yes	
Dynamic ARP inspection		Yes	
Broadcast, multicast, unknown unicast storm control		Yes	
DoS attacks prevention		Yes	
Quality of Service			
Port-based rate limiting		Yes egress	
Port-based QoS		Yes	
Support for IPv6 fields		Yes	
DiffServ QoS		Yes ingress	
IEEE 802.1p COS		Yes	
Destination MAC and IP		Yes	
IPv4 and IPv6 DSCP		Yes	
IPv4 and IPv6 ToS		Yes	
TCP/UDP-based		Yes	
Weighted Round Robin (WRR)		Yes	
Strict priority queue technology		Yes	
Auto-VoIP VLAN / Auto-Voice VLAN	Yes, based on OUI bytes (default database and user-based OUIs) in the phone source MAC address		
Auto-VoIP	Yes, based on protocols (SIP, H.323 and SCCP). Prioritizes traffic to a higher queue		
Voice VLAN	Yes, based on either VLAN ID or 802.1p priority, packets are passed onto the connecting VoIP phone using LLDP-MED		
Auto-Video VLAN		Yes	

L2 Services - VLANs	GS510TLP	GS510TPP	GS418TPP
Voice VLAN	Yes, based on either VLAN ID or 802.1p priority, packets are passed onto the connecting VoIP phone using LLDP-MED		
Auto-Video VLAN		Yes	
Private VLAN		Yes	
L2 Services - Availability			
Broadcast, multicast, unknown unicast storm control		Yes	
IEEE 802.3ad - LAGs (LACP)		Yes	
IEEE 802.3x (full duplex and flow control)		Yes	
IEEE 802.1D Spanning Tree Protocol		Yes	
IEEE 802.1w Rapid Spanning Tree Protocol		Yes	
IEEE 802.1s Multiple Spanning Tree Protocol		Yes	
Layer 2 DHCP Relay		Yes	
L2 Services - Multicast Filtering			
IGMP snooping (v1, v2 and v3)		Yes	
MLD snooping support (v1 and v2)		Yes	
IGMP snooping queries		Yes	
Multicast VLAN Registration (MVR)		Yes	
Block unknown multicast		Yes	
L3 Services - DHCP			
DHCP client		Yes	
DHCP snooping		Yes	
L3 Services - Routing			
IPv4 static routes		32	
IPv6 static routes		32	
VLAN routing		Yes	
Host ARP table (number of entries)		479 ARP / 223 NDP	
ICMP Router Discovery Protocol (IRDP)		Yes	
Number of IP VLAN interfaces (routed VLANs)		15	
Link Aggregation			
IEEE 802.3ad - LAGs (LACP)		Yes	
Manual Static LAG		Yes	
# of Static or LACP LAGs	5 LAGs with max	5 LAGs with max	9 LAGs with max
# of members in each LAG	8 members in each LAG	8 members in each LAG	8 members in each LAG
Network Monitoring and Discovery Services			
802.1ab LLDP		Yes	
SNMP		v1, v2c, v3	
RMON group 1,2,3,9		Yes	

TERMS AND CONDITIONS

ANNEXURE-IV

1. **All quotations will be deemed to be for F.O.R. Destination unless otherwise specified in the quotation and should include packing and forwarding charges and must not be “ex-works” “ex-go down”, “ex-mills”, etc.**
2. If quoting otherwise than F.O.R. Destination, insurance charges to destination may please be separately stated.
3. Unless the goods offered are of recognized popular standard makes and full specifications have been stated samples bearing stamp, seal and signature must in all cases accompany all quotation for all items quoted for. It is necessary that samples must reach this office before or at the latest by the due time and date of opening quotations.
4. Samples received are not paid for and should be sent freight paid. Those returnable at suppliers request, arrangement and cost if called for within 60 days from opening date.
5. In cases where full specifications are not incorporated in the enquiry or where alternative specifications are quoted for the suppliers own specifications should be stated in full for the articles quoted for any illustrative literature available duly stamped and signed should also accompany.
6. In all cases the country of manufacture and unit of measurement must be prominently stated. The unit should usually be the one stated in the enquiry.
7. All containers will be deemed to be non-returnable, unless when specifically stated otherwise in the quotation.
8. **The minimum period of delivery from date of placing the order should be specified.**
9. **All quotations will be deemed valid for at least 30 days from and excluding the date of opening of tenders.**
10. The approved sample will be sealed and signed in the office immediately by you on the receipt of the order.
11. A sufficient number of samples according to the approved pattern for supply of one each to the Joint Secretary/Deputy Secretary/Assistant Secretary and two spares will be supplied by you and got approved from this office in the first instance within **05** days from the date of issue of

- this order. A sample of these will be forwarded to the Joint Secretary/Deputy Secretary/Assistant Secretary for comparing the supply.
12. (i) The inspection of the goods be carried out by the consignee at destination and rejected goods will have to be removed by you within 10 days of dispatch of advice from Joint Secretary/Deputy Secretary/Assistant Secretary, failing which the goods will lie at your risk.
- (ii) The rejected goods must be replaced by you within 15 days of the dispatch by the Joint Secretary/Deputy Secretary/Assistant Secretary of a registered notice intimating that the goods have been rejecting failing which the Secretary, Board of School Education Haryana, Bhiwani will be entitled to make risk purchases without any further reference to you.
- (iii) if you claim that the goods supplied by you are strictly according to the approved sample you may file an appeal with the **Secretary, Board of School Education Haryana, Bhiwani** under intimation to the **Joint Secretary/Deputy Secretary/ Assistant Secretary** within 5 days of the receipt of the registered notice from the **Joint Secretary/Deputy Secretary/Assistant Secretary**. Where such an appeal has been filed and **Joint Secretary/Deputy Secretary/Assistant Secretary** will hold the goods with him till the final decision of the **Secretary, Board of School Education Haryana, Bhiwani**.
13. The supply must be completed satisfactorily within the stipulated period, failing which the **Secretary, Board of School Education Haryana, Bhiwani** reserves the right to purchase or to allow purchase of goods at your risk, provided that where goods are not supplied according to the muster pattern and on account of urgency of the demand the **office** decides to retain the interior goods you will be entitled to received payment not at the contract but at the rate fixed by the **Secretary, Board of School Education Haryana, Bhiwani** with due regards to the quality of the material supplied.
14. **Your quotations may be accepted in part or whole.**
15. In case your rates are good for a certain period, postings of the acceptance on the last day will be acceptable to you.

16. In case of controlled goods by the Government the quotation must be sent subject to the control rate and other conditions and you will be paid at the controlled rate or rate offered by you whichever is lower.
17. In case of any dispute the decision of the **Secretary, Board of School Education Haryana, Bhiwani** shall be final and binding on you.
18. The firm must be supplied genuine and good quality items as per supply order within stipulated time failure in this, the firm can be debarre/blacklist as decide by the **Secretary, Board of School Education Haryana, Bhiwani** and this decision also binding on you.
19. The contractor shall dispatch material "freight paid" in all cases where their offer is F.O.R. Destination.
20. All above conditions will be enforced, unless written orders of **Secretary, Board of School Education Haryana, Bhiwani** are obtained relaxing any specific condition in any specific instance.
21. The quotations not strictly in accordance with the above conditions are liable to be rejected without considerations.
22. Without prejudice to other rights of the **Secretary, Board of School Education Haryana, Bhiwani** or the **Joint Secretary/ Deputy Secretary/ Assistant Secretary** the contractor shall be liable to pay at the rate of ten percent of the value of the order by way of liquidated damages which shall be recoverable from any amount due to the contractor whether under this or any other contract of account.
23. The firm should not be debarred/ blacklisted by the department of Industries & Commerce or any other government department/agency of the state.