

**Bid Document**

<b>Bid Details</b>	
Bid End Date/Time	07-12-2019 15:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Punjab
Department Name	Governance Reforms Department Punjab
Organisation Name	N/a
Office Name	Punjab State E-governance Society, Mohali Hq, Punjab
Total Quantity	5450
Item Category	Outdoor Unlicensed Band RF Radio , Outdoor RF Antenna , Outdoor Unlicensed Band RF Radio , Outdoor Unlicensed Band RF Radio , Outdoor RF Antenna , High mast pole for national flags , High mast pole for national flags , High mast pole for national flags
Average Turnover (Last 3 Years)	1000 Lakh (s)
OEM Average Turnover (Last 3 Years)	7500 Lakh (s)
Experience with Government Required	1 Year (s)
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	Experience with Government,Annual Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover
Bid to RA enabled	No

**Note:**

1. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

## Outdoor Unlicensed Band RF Radio ( 350 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
RADIO SPECIFICATIONS	<b>GSR 38 (E) Unlicensed Frequency Band (MHz)</b>	5825 - 5875	5825 - 5875
	PSK Modulation Supported : 1) BPSK 2) QPSK	In Compliance	*
	QAM Supported : 1) 16 QAM 2) 64 QAM	In Compliance	*
	<b>256 QAM Supported</b>	No	Yes, No
	Available Channel Bandwidth 1) 5 MHz 2) 10 MHz 3) 20 MHz 4) 40 MHz	In Compliance	*
	Integrated Antenna Gain ( dBi)	24	*
	Integrated Antenna Azimuth (degree)	18	*
	Number of External Antenna Port	2	*
	<b>MIMO Supported</b>	2 x 2	2 x 2
	TX Power (dB)	30	*
	Rx Receiver Sensitivity in (dB)	-92	*
	Automatic Transmit Power Control Available	Yes	*
	Maximum Supported Link Distance with 36 dBm EIRP (Km)	30	*
	TDD Supported	Yes	*
	<b>TDMA Supported</b>	Yes	Yes
	OFDMA Supported	No	*
	<b>Throughput (Mbps)</b>	250	250.0 - 400.0 Or higher
	Configurable uplink throughput % of total product capacity	90	*
Configurable downlink	90	*	

throughput % of total product capacity		
Spectral Efficiency ( b/Hz)	6.25	*
<b>Quality of Service according to IEEE 802 point 1p, TOS/ Diffserve</b>	Yes	Yes
<b>GPS Synchronization Supported</b>	Yes	Yes
Forward Error Correction Feature	Yes	*
LAN Interface 10/100/1000 Base T interface	Yes	*
MTU Size (Bytes)	2100	*
Framing/Coding IEEE802 pointy 3/U standard Compliance	Yes	*
SNMP Supported 1) v1 2) v2 3) v3	Yes	*
Local and Remote Management Supported	Yes	*
Management VLAN supported	Yes	*
VLAN Supported : 1) Trunking 2) Passthrough 3) Transparent 4) Q in Q (Double Tagging)	Yes	*
Encryption Method Supported	AES 128	*
DC 20 to 60 VDC Power supported	Yes	*
AC 110-240v AC Power supported	Yes	*
Radius Client Supported	Yes	*
NTP Client Supported	Yes	*
<b>Number of CPE Supported</b>	100	100.0 - 200.0 Or higher
Built-in Spectrum analyzer tool	Yes	*
Management by Telnet	Yes	*
Management by Web Interface	Yes	*

	Radio is capable to support Dynamic Bandwidth Allocation/CIR	Yes	*
	Radio is capable to support NMS for Configuration and Monitoring	Yes	*
	IP v4 Compliant	Yes	*
	IP v6 Compliant	Yes	*
	<b>Dual Stack IPv4 and IPv6 Compliant</b>	Yes	Yes
	Power Consumption (Watt)	8	*
SAFETY AND PROTECTION	Safety Standard IEC/UL-60950-1 Compliance	Yes	*
	Safety Standard IEC/UL-60950-22 Compliance	Yes	*
	<b>Ingress Protection Rating (IP)</b>	67	67 Or higher
	Lightening Protection Class and Standard	IEC 61000-4-5	*
OTHERS	Equipment Type Approval Certificate available from WPC (Certificate shall be furnished when demanded by buyer)	Yes	*
	Equipment Type Approval Certificate number and its validity	-	*
	Minimum Operating Temperature (Degree C)	-40	*
	Maximum Operating Temperature (Degree C)	60	*
	Minimum Operating Humidity (RH) (%)	90	*
	Dimensions (L x B x H) ( mm x mm x mm)	-	*
	Weight (grams)	1000	*
ACCESSORIES	Outdoor Twisted Pair Cable - 50 meter	Yes	*
	CAT 6 Cable shielding type UTP (Flame	Yes	*

	Retardant) - 50 meter		
	CAT 6 Cable shielding type STP (Flame Retardant) - 50 meter	No	*
	LMR600 Cable Length - 1point 5 meter with connector both ends	Yes	*
	Surge Protection Unit	Yes	*
WARRANTY AND INSTALLATION	Installation and Site Survey is included in the scope of supply	Yes	*
	<b>On Site OEM Warranty (Year)</b>	5	5

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	350	90

#### Outdoor RF Antenna ( 350 pieces )

##### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specifications	<b>Operating Frequency Range (MHz)</b>	5825 - 5875	5825 - 5875
	<b>Type of Antenna</b>	Sectorial	Sectorial
	RF Connector on Antenna	2	*
	Polarization	Dual	*
	<b>Beamforming</b>	No	Yes, No
	Antenna vertical	8	*

azimuth (degree)		
Antenna horizontal azimuth (degree)	120	*
<b>Gain (dBi)</b>	14	14.0 - 36.0 Or higher
VSWR (MAX)	1.5	*
Input Power (Watts)	1	*
Impedance (Ohm)	50	*
Maximum Operating Temperature	70	*
Minimum Operating Humidity (RH) (%)	90	*
Dimensions (L x B x H) ( mm x mm x mm)	-	*
Weight (grams)	1.8	*
<b>On Site OEM Warranty (Year)</b>	5	5

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	350	90

#### Outdoor Unlicensed Band RF Radio ( 2000 pieces )

#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
RADIO SPECIFICATIONS	<b>GSR 38 (E) Unlicensed Frequency Band (MHz)</b>	5825 - 5875	5825 - 5875

PSK Modulation Supported : 1) BPSK 2) QPSK	In Compliance	*
QAM Supported : 1) 16 QAM 2) 64 QAM	In Compliance	*
<b>256 QAM Supported</b>	No	Yes, No
Available Channel Bandwidth 1) 5 MHz 2) 10 MHz 3) 20 MHz 4) 40 MHz	In Compliance	*
Integrated Antenna Gain ( dBi)	24	*
Integrated Antenna Azimuth (degree)	18	*
Number of External Antenna Port	2	*
<b>MIMO Supported</b>	2 x 2	2 x 2
TX Power (dB)	30	*
Rx Receiver Sensitivity in (dB)	-92	*
Automatic Transmit Power Control Available	Yes	*
Maximum Supported Link Distance with 36 dBm EIRP (Km)	30	*
TDD Supported	Yes	*
<b>TDMA Supported</b>	Yes	Yes
OFDMA Supported	No	*
<b>Throughput (Mbps)</b>	100	100.0 - 400.0 Or higher
Configurable uplink throughput % of total product capacity	90	*
Configurable downlink throughput % of total product capacity	90	*
Spectral Efficiency ( b/Hz)	6.25	*
<b>Quality of Service according to IEEE 802 point 1p, TOS/ Diffserve</b>	Yes	Yes
<b>GPS Synchronization Supported</b>	No	Yes, No
Forward Error Correction Feature	Yes	*

LAN Interface 10/100/1000 Base T interface	Yes	*
MTU Size (Bytes)	2100	*
Framing/Coding IEEE802 pointy 3/U standard Compliance	Yes	*
SNMP Supported 1) v1 2) v2 3) v3	Yes	*
Local and Remote Management Supported	Yes	*
Management VLAN supported	Yes	*
VLAN Supported : 1) Trunking 2) Passthrough 3) Transparent 4) Q in Q (Double Tagging)	Yes	*
Encryption Method Supported	AES 128	*
DC 20 to 60 VDC Power supported	Yes	*
AC 110-240v AC Power supported	Yes	*
Radius Client Supported	Yes	*
NTP Client Supported	Yes	*
<b>Number of CPE Supported</b>	100	50 - 200
Built-in Spectrum analyzer tool	Yes	*
Management by Telnet	Yes	*
Management by Web Interface	Yes	*
Radio is capable to support Dynamic Bandwidth Allocation/CIR	Yes	*
Radio is capable to support NMS for Configuration and Monitoring	Yes	*
IP v4 Compliant	Yes	*
IP v6 Compliant	Yes	*
<b>Dual Stack IPv4 and</b>	Yes	Yes



	<b>IPv6 Compliant</b>		
	Power Consumption (Watt)	8	*
SAFETY AND PROTECTION	Safety Standard IEC/UL-60950-1 Compliance	Yes	*
	Safety Standard IEC/UL-60950-22 Compliance	Yes	*
	<b>Ingress Protection Rating (IP)</b>	67	67 Or higher
	Lightening Protection Class and Standard	IEC 61000-4-5	*
OTHERS	Equipment Type Approval Certificate available from WPC (Certificate shall be furnished when demanded by buyer)	Yes	*
	Equipment Type Approval Certificate number and its validity	-	*
	Minimum Operating Temperature (Degree C)	-50	*
	Maximum Operating Temperature (Degree C)	65	*
	Minimum Operating Humidity (RH) (%)	90	*
	Dimensions (L xz B x H) ( mm x mm x mm)	-	*
	Weight (grams)	1000	*
	ACCESSORIES	Outdoor Twisted Pair Cable - 50 meter	Yes
CAT 6 Cable shielding type UTP (Flame Retardant) - 50 meter		Yes	*
CAT 6 Cable shielding type STP (Flame Retardant) - 50 meter		No	*
LMR600 Cable Length - 1point 5 meter with connector both ends		Yes	*
Surge Protection Unit		Yes	*
WARRANTY AND INSTALLATION	Installation and Site Survey is included in the scope of supply	Yes	*

<b>On Site OEM Warranty (Year)</b>	5	5
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\* Specifications highlighted in bold are the Golden Parameters.  
 \* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

**Additional Specification Documents**

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	2000	90

**Outdoor Unlicensed Band RF Radio ( 1100 pieces )**

**Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
RADIO SPECIFICATIONS	<b>GSR 38 (E) Unlicensed Frequency Band (MHz)</b>	5825 - 5875	5825 - 5875
	PSK Modulation Supported : 1) BPSK 2) QPSK	In Compliance	*
	QAM Supported : 1) 16 QAM 2) 64 QAM	In Compliance	*
	<b>256 QAM Supported</b>	Yes	Yes
	Available Channel Bandwidth 1) 5 MHz 2) 10 MHz 3) 20 MHz 4) 40 MHz	In Compliance	*
	Integrated Antenna Gain ( dBi)	24	*
	Integrated Antenna Azimuth (degree)	18	*
	Number of External Antenna Port	2	*

<b>MIMO Supported</b>	2 x 2	2 x 2
TX Power (dB)	30	*
Rx Receiver Sensitivity in (dB)	-89	*
Automatic Transmit Power Control Available	Yes	*
Maximum Supported Link Distance with 36 dBm EIRP (Km)	30	*
TDD Supported	Yes	*
<b>TDMA Supported</b>	Yes	Yes
OFDMA Supported	No	*
<b>Throughput (Mbps)</b>	400	400.0 - 400.0 Or higher
Configurable uplink throughput % of total product capacity	90	*
Configurable downlink throughput % of total product capacity	90	*
Spectral Efficiency ( b/Hz)	7.5	*
<b>Quality of Service according to IEEE 802 point 1p, TOS/ Diffserve</b>	Yes	Yes
<b>GPS Synchronization Supported</b>	Yes	Yes
Forward Error Correction Feature	Yes	*
LAN Interface 10/100/1000 Base T interface	Yes	*
MTU Size (Bytes)	2100	*
Framing/Coding IEEE802 pointy 3/U standard Compliance	Yes	*
SNMP Supported 1) v1 2) v2 3) v3	Yes	*
Local and Remote Management Supported	Yes	*
Management VLAN supported	Yes	*
VLAN Supported : 1) Trunking 2) Passthrough 3)	Yes	*

	Transparent 4) Q in Q (Double Tagging)		
	Encryption Method Supported	AES 128	*
	DC 20 to 60 VDC Power supported	Yes	*
	AC 110-240v AC Power supported	Yes	*
	Radius Client Supported	Yes	*
	NTP Client Supported	Yes	*
	<b>Number of CPE Supported</b>	200	50 - 200
	Built-in Spectrum analyzer tool	Yes	*
	Management by Telnet	Yes	*
	Management by Web Interface	Yes	*
	Radio is capable to support Dynamic Bandwidth Allocation/CIR	Yes	*
	Radio is capable to support NMS for Configuration and Monitoring	Yes	*
	IP v4 Compliant	Yes	*
	IP v6 Compliant	Yes	*
	<b>Dual Stack IPv4 and IPv6 Compliant</b>	Yes	Yes
	Power Consumption (Watt)	8	*
SAFETY AND PROTECTION	Safety Standard IEC/UL-60950-1 Compliance	Yes	*
	Safety Standard IEC/UL-60950-22 Compliance	Yes	*
	<b>Ingress Protection Rating (IP)</b>	67	67 Or higher
	Lightening Protection Class and Standard	IEC 61000-4-5	*
OTHERS	Equipment Type Approval Certificate available from WPC (Certificate shall be furnished when	Yes	*

	demanded by buyer)		
	Equipment Type Approval Certificate number and its validity	-	*
	Minimum Operating Temperature (Degree C)	-40	*
	Maximum Operating Temperature (Degree C)	60	*
	Minimum Operating Humidity (RH) (%)	90	*
	Dimensions (L xz B x H) ( mm x mm x mm)	-	*
	Weight (grams)	1000	*
ACCESSORIES	Outdoor Twisted Pair Cable - 50 meter	Yes	*
	CAT 6 Cable shielding type UTP (Flame Retardant) - 50 meter	Yes	*
	CAT 6 Cable shielding type STP (Flame Retardant) - 50 meter	No	*
	LMR600 Cable Length - 1point 5 meter with connector both ends	Yes	*
	Surge Protection Unit	Yes	*
WARRANTY AND INSTALLATION	Installation and Site Survey is included in the scope of supply	Yes	*
	<b>On Site OEM Warranty (Year)</b>	5	5

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B,	1100	90

**Outdoor RF Antenna ( 1100 pieces )****Technical Specifications**\* [As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specifications	<b>Operating Frequency Range (MHz)</b>	5825 - 5875	5825 - 5875
	<b>Type of Antenna</b>	Solid Parabolic	Solid Parabolic
	RF Connector on Antenna	2	*
	Polarization	Dual	*
	<b>Beamforming</b>	No	Yes, No
	Antenna vertical azimuth (degree)	6	*
	Antenna horizontal azimuth (degree)	60	*
	<b>Gain (dBi)</b>	29	29.0 - 36.0 Or higher
	VSWR (MAX)	1.5	*
	Input Power (Watts)	1	*
	Impedance (Ohm)	50	*
	Maximum Operating Temperature	70	*
	Minimum Operating Humidity (RH) (%)	90	*
	Dimensions (L xz B x H) ( mm x mm x mm)	-	*
	Weight (grams)	5	*
<b>On Site OEM Warranty (Year)</b>	5	5	

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

**Additional Specification Documents****Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporti	Address	Quantity	Delivery Days
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	ng Officer			
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	1100	90

## High Mast Pole For National Flags ( 100 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
ITEM	<b>Item</b>	High mast pole for national flags	High mast pole for national flags
	<b>Cross Section</b>	Multigonal	Round, Multigonal
	<b>Pole Design</b>	Conical	Conical, Straight, Cylindrical
CONSTRUCTION	<b>No Of section in pole</b>	5	1, 2, 3, 4, 5
	<b>Mounting base Provided</b>	Yes	Yes, No
	<b>Holes in the mounting base Provided</b>	Yes	Yes, No
	<b>Necessary accessories provided for hosting flag</b>	Yes	Yes, No
	<b>Coating</b>	Painted	Painted, Polished, Matt, Mild, Galvanised, Steel, NA
	<b>Supply of pole</b>	Single piece	Knock down, Single piece
MATERIAL	<b>Material</b>	Mild Steel	Mild Steel, Stainless Steel, Brass
DIMENSION	<b>Diameter at the bottom end of the pole(mm)</b>	560	*
	<b>Diameter at the top end of the pole(mm)</b>	100	20, 30, 40, 50, 60, 70, 80, 90, 100, 200
	<b>Pole Thickness(mm)</b>	2.5	*
	<b>Height of Pole(meter)</b>	40	40
	<b>Base Diameter(mm)</b>	500	*
	<b>Thickness of base</b>	30	*

	<b>plate(mm)</b>		
INSTALLATION	<b>Supply of pole with installation</b>	Yes	Yes, No

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	100	90

#### High Mast Pole For National Flags ( 75 pieces )

#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
ITEM	<b>Item</b>	High mast pole for national flags	High mast pole for national flags
	<b>Cross Section</b>	Multigonal	Round, Multigonal
	<b>Pole Design</b>	Conical	Conical, Straight, Cylindrical
CONSTRUCTION	<b>No Of section in pole</b>	3	1, 2, 3, 4, 5
	<b>Mounting base Provided</b>	Yes	Yes, No
	<b>Holes in the mounting base Provided</b>	Yes	Yes, No
	<b>Necessary accessories provided for hosting flag</b>	Yes	Yes, No
	<b>Coating</b>	Painted	Painted, Polished, Matt, Mild, Galvanised, Steel, NA
	<b>Supply of pole</b>	Single piece	Knock down, Single piece



MATERIAL	<b>Material</b>	Mild Steel	Mild Steel, Stainless Steel, Brass
DIMENSION	<b>Diameter at the bottom end of the pole(mm)</b>	560	*
	<b>Diameter at the top end of the pole(mm)</b>	100	20, 30, 40, 50, 60, 70, 80, 90, 100, 200
	<b>Pole Thickness(mm)</b>	3.5	*
	<b>Height of Pole(meter)</b>	32	32
	<b>Base Diameter(mm)</b>	500	*
	<b>Thickness of base plate(mm)</b>	30	*
INSTALLATION	<b>Supply of pole with installation</b>	Yes	Yes, No

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	75	90

#### High Mast Pole For National Flags ( 375 pieces )

#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
ITEM	<b>Item</b>	High mast pole for national flags	High mast pole for national flags
	<b>Cross Section</b>	Multigonal	Round, Multigonal
	<b>Pole Design</b>	Conical	Conical, Straight, Cylindrical

CONSTRUCTION	<b>No Of section in pole</b>	4	1, 2, 3, 4, 5
	<b>Mounting base Provided</b>	Yes	Yes, No
	<b>Holes in the mounting base Provided</b>	Yes	Yes, No
	<b>Necessary accessories provided for hosting flag</b>	Yes	Yes, No
	<b>Coating</b>	Painted	Painted, Polished, Matt, Mild, Galvanised, Steel, NA
	<b>Supply of pole</b>	Single piece	Knock down, Single piece
MATERIAL	<b>Material</b>	Mild Steel	Mild Steel, Stainless Steel, Brass
DIMENSION	<b>Diameter at the bottom end of the pole(mm)</b>	560	*
	<b>Diameter at the top end of the pole(mm)</b>	100	20, 30, 40, 50, 60, 70, 80, 90, 100, 200
	<b>Pole Thickness(mm)</b>	2.5	*
	<b>Height of Pole(meter)</b>	30	30
	<b>Base Diameter(mm)</b>	500	*
	<b>Thickness of base plate(mm)</b>	30	*
INSTALLATION	<b>Supply of pole with installation</b>	Yes	Yes, No

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gurpreet Singh	160062,Department of Governance Reforms, Plot No D-241, Industrial Area, Near QuarkCity, Phase 8B, Sector 74, Mohali (Punjab) - 160062	375	90

**EMD Detail**

Required	No
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**ePBG Detail**

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	62

1. EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.  
Beneficiary:

**Member Secretary, PSeGS**

**Punjab State e-Governance Society, O/o Directorate of Governance Reforms, Plot No D-241, Industrial Area, Phase 8B, Sector-74, Mohali, Punjab  
(Parminder Pal Singh)**

**Splitting**

Bid splitting not applied.

**Buyer Specific Additional Terms and Conditions**

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
4. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
5. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of

Telephone Numbers for Service Support.  
7. ISO 9001: The bidder must have ISO 9001 certification.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**