

Bid Document

| Bid Details | |
|--|---|
| Bid End Date/Time | 28-07-2020 11:00:00 |
| Bid Opening Date/Time | 28-07-2020 11:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 75 (Days) |
| Ministry/State Name | Ministry Of Power |
| Department Name | Power Grid Corporation Of India Limited |
| Organisation Name | Power Grid Corporation Of India Limited |
| Office Name | Corporate Office Gurgaon |
| Total Quantity | 3 |
| Item Category | Video Conferencing End Point |
| MSE Exemption for Years of Experience and Turnover | No |
| Startup Exemption for Years of Experience and Turnover | No |
| Document required from seller | OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| Bid to RA enabled | No |
| Inspection Required | No |
| Estimated Bid Value | 600000 |

EMD Detail

| | |
|-------------------|---------------------|
| Advisory Bank | State Bank of India |
| EMD Percentage(%) | 2.00 |
| EMD Amount | 12000 |

ePBG Detail

| | |
|-------------------------------------|---------------------|
| Advisory Bank | State Bank of India |
| ePBG Percentage(%) | 10.00 |
| Duration of ePBG required (Months). | 38 |

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Power Grid Corporation of India limited
Saudamini, Plot No. 2, Sector-29, Gurgaon, Haryana-122001
(Power Grid Corporation Of India Limited)

Splitting

Bid splitting not applied.

Video Conferencing End Point (3 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---------------|---|---------------------------|---|
| Specification | Type of End Point | Point to Point upgradable | Point to Point upgradable |
| | Does it require mandatory registration with MCU | NA | * |
| | Video Conferencing System Resolution | 1080p, 60 fps | 1080p, 60 fps, 4K, 30 fps, 4K, 60 fps Or higher |
| | Minimum Bandwidth Required for Specified video quality at End point/far-site end (Kbps) | 1024 | * |
| | Type of Camera | PTZ | PTZ Or higher |
| | Camera Positioning System | Preset | Automatic Voice Activated, Face Detection, Preset Or higher |
| | Type of sensor | CMOS | * |

| | | |
|---|-----------------------------------|--|
| Camera Control (focusing, brightness, and white balance) | Automatic | * |
| Multiple Camera System in case of Automatic Voice activated CameraTracking | NA | * |
| Optical zoom | 3X | 3X, 4X, 5X, 10X, 12X, 20X, 22X, 30X, 2X, NA Or higher |
| Digital zoom | 4X | * |
| Field of View at zoom (Degree) | 85 | * |
| Pan range Minimum to Maximum (+/- Degree) | -100,100 | * |
| Tilt Range (Degree) | -20,20 | * |
| Cord and Connector to be supplied | Yes | * |
| System delivers Full HD video and voice & Full HD content for an overall Full HD experience at specified bandwidth | Yes | * |
| Video coding support Protocol | H.263,H.264AVC,H.264 High Profile | * |
| System has G-722/ G-711/ G-729 or equivalent nt wideband audio coding support | Yes | * |
| System supports sharing of video and graphics content during the video call | 1080p, 30fps | 1080p, 30fps, 1080p, 60fps, 4k, 30fps, 4k, 60fps Or higher |
| It is possible to see both the near and far site on one Screen thus making most efficient use of a single display area | Yes | * |
| System is equipped with one or more Omni directional High Definition Microphones as required to cover large conference room | Yes | * |
| Number of microphone supported | 1 | * |

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|--|-----|------------------------------------|
| Number of microphone supplied | 1 | 1, 2, 3, 4, 5, 6, 7, 8 Or higher |
| Number of camera support from the same OEM | 2 | * |
| Number of Ethernet connection points for System supports for RJ-45, 10/100/1000 Mbps Base-T Ethernet connection | 1 | * |
| Wi Fi Connectivity | No | Yes, No Or higher |
| If Yes, Type of Wi Fi Connectivity | NA | Integrated, External, NA Or higher |
| System supports AES encryption video calls; System has Encryption On and Off capability | Yes | * |
| Video Codec shall support 16:9 format | Yes | * |
| Power supply: 230 + or - 10% volts, 50 Hz | Yes | * |
| Shall come with easy to use infra-red hand held remote control / Touch Panel with operating distance | Yes | * |
| All equipment are in compliance with the requirements of ITU-T (SIP Protocol & H Dot 323) Standard related to Video Conferencing | Yes | * |
| System to be IPv6 ready from day one | Yes | * |
| System uses standards based protocols & the offered system is inter operable with any existing H-323 AVC/SVC based VC equipment in a P to P call on VC end point; All H/W and S/W required to make it interoperable is included in the scope of supply | Yes | * |
| Number of Input DVI Ports | 0 | * |

| | | |
|--|------------------|-------------------|
| Number of Input HDMI or equivalent Ports | 3 | * |
| Number of Input USB Ports | 0 | * |
| Number of Output DVI Port | 0 | * |
| Number of Output HDMI or equivalent Port | 1 | * |
| Number of output USB Port | 1 | * |
| Calendering Feature | No | * |
| Recording @1080p on the end point | Yes | Yes, No Or higher |
| System supplied complete with the following components from the same OEM (a) Codec (b) Camera (c) At least one Microphones with suitable connectivity (d) Remote Control/Touch Panel (e) Data sharing capability using H/W or S/W (f) Necessary Cables | Yes | * |
| Type of Microphone | Omni Directional | * |
| System is also tropicalized and report available from ILAC/NABL/Govt Lab with all add on including Environmental Sequence | Yes | * |
| (a) Dry Heat- For 16 hrs at 55 deg C as per IS:9000/pt-3/sec-5/1977(b) Cold-For 4 hrs at 0 deg C as per IS:9000/pt-2/sec-4/1977 (c) Damp Heat- For 2 Cycles of 24 h each at 40 deg C & 95% RH as per IS:9000/pt-5/sec-1/1991 (All Reaffirmed 2007) | Yes | * |
| After each environmental test and a recovery period of two hours, the video | Yes | * |

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| | conferencing system has been checked for complete functional parameters, and the results found satisfactory | | |
| | Type Test Report from ILAC/NABL/Govt lab confirming conformance to above technical specifications - to be made available to buyer | Yes | * |
| | BIS Registration under CRS of Meity | Yes | * |
| | BIS Registration Number and its Validity | - | * |
| | UL/CE certification | Yes | * |
| | If Yes, UL/CE certificate Number (Corresponding UL/CE Certificate to be furnished when demanded by the buyer) | - | * |
| | Minimum Operating temperature (Degree C) | 0 | * |
| | Maximum Operating Temperature (Degree C) | 40 | * |
| | Minimum Operating humidity (%RH) | 10 | * |
| | Maximum Operating humidity (%RH) | 90 | * |
| | Free installation and commissioning | Yes | * |
| | On Site OEM Warranty (Year) | 3 | 3, 5 Or higher |

* 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 | ATUL KUMAR | 122001,POWERGRID CORPORATION OF INDIA LIMITED, Saudamini, Plot No. 2, Sector-29, Gurgaon | 3 | 30 |

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. Bidders can also submit the EMD with Account Payee Demand Draft in favour of POWER GRID CORPORATION OF INDIA LIMITED payable at DELHI/GURGAON. Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
3. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of POWER GRID CORPORATION OF INDIA LIMITED payable at DELHI/GURGAON. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

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

---Thank You---