

**Electronics Corporation of Tamil Nadu Ltd, Chennai-35**

**Tender for Web Streaming of Videos for General Elections to Tamil Nadu Legislative Assembly, 2016**

**Tender No. ELCOT/Networks/OT/32891/Elections/2016**

**Corrigendum - 4 - Pre Bid Clarifications**

**Date: 10/03/2016**

The Tender document (Version 1.0) was released on 01.03.2016 and the Pre - bid meeting was held on 04.03.2016. The Queries raised by the prospective bidders and clarifications of ELCOT are given below. Further, the Tender document (Version 2.0) incorporating the corrections furnished below is hosted in the websites (www.elcot.in, www.tenders.tn.gov.in and www.elections.tn.gov.in) for the convenience of the prospective bidders who are advised to follow the Revised Tender Document. During the submission of the bid, bidders should submit the signed and sealed Corrigendums 1, 2, 3 & 4 along with the Revised Tender document Version 2.0 without fail.

Sl. No.	Page No.as per Version 1.0 Tender document	Clause No.as per Version 1.0 Tender document	Title of Clause	Description of clause as per Tender Document	Amendment Requested	Reasons for requesting the Amendment	ELCOT's Clarifications
1	38	Chapter 8	Scope of Work-(k)	Training of the officials on the operation of the web streaming software as required.	For what Purpose you are looking for this training, Is it for operate the laptop which is provided by bidder or some other purpose.	Need a Clarification	To run smoothly the web streaming of the polling and counting day activities wherever they are posted
2	42	Chapter 8	8.1 Technical Details-Task 2 (e)	In case of Re-poll ordered at a booth under live web streaming, the web Streaming of that repoll shall continue to be the responsibility of the bidder. This will not entail additional financial commitment.	This clause need to be removed , And till what time we have to provide the webcast for RePolling. Is there any time schedule could you provide us.	As there the no of location is not fixed for the repolling how we can commit to provide the live webcast service for the said requirement without any additional financial Commitment.	Tender conditions would remain the same
3	42	Chapter 8	8.1 Technical Details-Task 2 (b)	The bidder has to provide the suitable internet connectivity with minimum of 1 mbps speed from a reputed suitable service provider to the Laptops installed, in the identified polling stations.	Internet Connectivity with 1 Mbps speed only on wireless in the Polling stations is requested, which is again difficult to provide since such facility could be possible only in places having 3G coverage. Both wired and wireless connections is requested in the above scope.	If network connectivity is separated from the main tender and permit BSNL to choose the connectivity type like using BB/mobile depending on feasibility at these Polling stations then BSNL can participate in the procees of Provision of Web Streaming.	The bidder has to provide the suitable internet connectivity through, locally available, in wired/wireless mode, with minimum of 512kpbs upload speed with good coverage from a reputed suitable service provider to the Laptops installed, in the identified polling stations.
4	81	Appendix - 7	Technical Specifications - A1 Specifications for Laptop	Intel Core i5 6200U with Processor speed of 2.0 GHz or higher.	X86 processors/ dual or quad core/2.0 Ghz or higher/4Gb DDR3 SD RAM 1066Mhz / Intel or AMD.	the specification outlined on the RFP for laptops is kind of only favouring one mentioned brand (intel).So that department can be flexible in providing options to the bidder / participate to choose optional/ suitable configuration complying for the required services according to their cost / budget.	Intel/AMD Dual or Quad Core with Processor speed of 2.0 GHz or higher.
5	18	Chapter 4	Eligibility Criteria - 4.1	Bidder should be a Company registered in India under the Companies Act 1956.	Please Allow *Partnership Firm / Proprietorship* also		Tender conditions would remain the same
6	18	Chapter 4	Eligibility Criteria - 4.2	Consortium of Bidders is allowed with maximum of two partners.	Consortium of Bidders with Maximum of *5* Members		Consortium of Bidders is allowed with maximum of four partners (Prime bidder plus 3 co-bidders).

7	18	Chapter 4	Eligibility Criteria - 4.4	Bidder or the Consortium Partners, should have executed, at least one single order, for having experience in rendering similar services where live streaming from multiple locations was involved in India, on behalf of Election Commission of India or any other organisation for a value of Rs.50.00 Lakhs or more, during any one of the previous two financial years (2013-14, 2014-15).	*Kindly Amend the Clause as* "Bidder or the Consortium Partners, should have executed, at least *Multiple* order, for having experience in rendering similar services where live streaming from multiple locations was involved in India, on behalf of Election Commission of India or any other organisation for a value of Rs.10.00 Lakhs or more, during any one of the previous *five* financial years (2010-11 to 2014-15).		Bidder or the Consortium Partners, should have executed, two orders, for having experience in rendering similar services where live streaming from multiple locations was involved in India, on behalf of Election Commission of India or any other organisations for a total value of Rs.50.00 Lakhs or more, during any one of the previous two financial years (2013-14, 2014-15).
8	55	Chapter 9	Payment Clause - 9.1	Deduction of payment for milestones.	For each % violation in SLA set forth, ONE time the equivalent % deduction in contract value can be exercised	Considering the huge task in scope of work, without breathing time to rectify any defect during the day, there are opportunities for unforeseen error by human force as well as by technology	Tender conditions would remain the same
9	31	Chapter 7	Payment of Security Deposit - 7.3	The successful Bidder will be required to remit a Security Deposit (SD) equivalent to Five percent of the value of the order, inclusive of EMD by way of Demand Draft in the name of Chief Electoral Officer, Elections Department, Govt of Tamil Nadu, payable at Chennai or in the form of unconditional irrevocable Bank Guarantee, valid for a period, equivalent to the Contract period from the date of acceptance of the tender on receipt of confirmation from ELCOT.	Security deposit equivalent to 2% of the value of the Tender can be fixed	Considering the high volume of Tender value, coupled with enormous amount of risk taken, this relief can be considered	Tender conditions would remain the same
10	12	Chapter 2	Tender schedule - EMD - 2.5	Rs.1,50,000/- (Rupees One Lakh and Fifty Thousand only) should be paid by way of Demand Draft or Banker's Cheque.	EMD can be exempted for NSIC membership holders	Because of SSI, this relief is followed in earlier Election Tenders also	Tender conditions would remain the same
11	12	Chapter 2	Tender schedule - Due Date - 2.8	On 09.03.2016 @ 3.00 PM.	Due date for submission of Tenders can kindly be extended to another 19 days after the date of Corrigendum	Since lot of logistics to be done after knowing the Corrigendum, coupled with high volume of documentation between all the Consortium partners to be prepared.	The due date of the extended upto 18.03.2016 @ 3.00 PM
12	66&67	Chapter 10	Penalty Clause - 10.1 & 10.2	Penalty for the delay in transmission of data feed from the polling stations & from web camera	Achievement of 90% uptime can be reduced to 75%	Since huge task of 30000 polling booths to be covered, we may face unforeseen drawback in relay due to server failure, technology down, human error etc. etc.	Tender conditions would remain the same
13	19	Chapter 4	Eligibility Criteria - 4.5	The Bidder/Prime Bidder in the case of consortium, should have valid ISO 27001:2011 or higher certificate in his name	May be removed	The scope of ISO is not required for this Tender. Additionally ISO is a certification from private body and is not issued by Government of India.	The Bidder/any of the Bidders in the case of consortium, should have valid certificate of ISO 27001:2011 or higher/ISO 9001:2008 or higher/ both, in his name

14	18	Chapter 4	Eligibility Criteria - 4.3	a) Bidder or the Prime bidder in case of the consortium, should have an average annual turnover of Rs.50 Crores and above, in the last three (2012-13, 2013-14 & 2014-15) audited financial years	Turnover may be reduced to 30 crore combined to last 3 years and Combined turnover of consortium bidder may be accepted.		Bidder or all bidders together in case of the consortium, should have an average annual turnover of Rs.30 Crores and above, in the last three (2012-13, 2013-14 & 2014-15) audited financial years
15	52	Chapter 8	Supply, Installation and Commissioning - 8.4 - Delivery	Delivery	This clause may be removed.	Material will be supplied once the site is ready, additionally the tender is for service deliver only.	Please refer tender document version 2.0 for details
16	55	Chapter 9	Payment Clause - 9.1 (b)	Submission of an irrevocable Bank Guarantee of the Contract amount in the format (Appendix-2) specified to the Client.	To be converted to BG for Security deposit	Not applicable	Submission of an irrevocable Bank Guarantee of the Security Deposit amount in the format (Appendix-2) specified to the Client.
17	39	Chapter 8	8.1 Technical Details-Task 1	The bidder is required to ensure the live streaming and recording of the conduct of the poll process at the identified polling stations/Counting Centers. In this regard, the bidder shall deploy suitably secured proven web based software that has the ability to record both audio and video.	The provision may to be support web based or application based web streaming or any other technology that the bidder may find fit.		The bidder is required to ensure the live streaming and recording of the conduct of the poll process at the identified polling stations/Counting Centers. In this regard, the bidder shall deploy suitably secured proven web based software that has the ability to record both audio and video with provision to support web based or application based live web streaming.
18	43	Chapter 8	8.1 Task 2 (m) -Live Streaming and Recording of the Polling at Polling Stations	Control Center	Internet connectivity of RO, DEO and CEO during polling should be provided by the Client instead of the Bidder	Connectivity at RO, DEO and CEO office to be provided by the Client both during polling and counting days along with days of trial Run	Internet connectivity at the offices of RO, DEO and CEO during Polling / Counting shall be provided by the Client
19	35	Chapter 7	7.11 - Liquidated Damages	A penalty will be levied at the rate of 5% per Polling station on day of Polling / per camera in the counting centre on the Counting day, on the value of the work pertaining to the day of the event, if the installation is not completed in full within the stipulated time. The delivery period will effect from the date of receipt of confirmed consignee address. If such failure happens for more than two occasions, apart from forfeiting the Security Deposit paid by the Successful Bidder, such performance may entail black-listing of the Successful Bidder.	Clause to be Removed	SLA and Penalty has already been defined in page 57 and in page 58 in clause number 10.1 and 10.2	Deleted. Please Refer Tender Document Version 2.0
20	35	Chapter 7	7.12 - Penalty for Non Fulfillment of Tender	A penalty for non fulfilment or non-observance of tender conditions indicated in the tender clauses, will be levied at 1% of the total value of the work order.	Clause to be Removed	SLA and Penalty has already been defined in page 57 and in page 58 in clause number 10.1 and 10.2	Deleted. Please Refer Tender Document Version 2.0

21	42	Chapter 8	8.1 Task 2 (c) - Live Streaming and Recording of the Polling at Polling Stations	The bidder has to post one person at each identified polling station, with proper training on the usage of the web streaming software, using the Laptop and the internet connectivity on the day of polling and also during trial runs. In addition the person will send the number of people in the queue, to cast vote, on a periodical basis, thro' SMS over the mobile device provided to him. This data will be provided to them on a periodical basis by the Client.	To be made optional or to be removed	As queue status is already being updated in streaming software developed by the client	The bidder has to post one person at each identified polling station, with proper training on the usage of the web streaming software, using the Laptop and the internet connectivity on the day of polling and also during trial runs. In addition the person will send the number of people in the queue, to cast vote, on a periodical basis, through the webbased streaming software provided by the bidder.
22	50	Chapter 8	8.1 Task 5 - Development of training material	In case of any disruption due to internet connectivity, the streaming data has to be stored in the local Hard Disk and the same shall be made available in DVD at the end of the day to the officials concerned.	Offline recording of all polling station must be done apart from online streaming. The copy of recording shall be handed over to nominated polling officer by the bidders in a pen drive after the end of event at respective polling station.	This will ensure high resolutions video feed is available with Election department for all polling station. Additionally In the event of Internet disturbance not all polling station's video feed may be available on online streaming.	Offline recording of all polling station/counting centre must be done apart from online streaming. The copy of the recording shall be handed over to the nominated person by the Returning Officer by the bidders in a suitable pen drive/DVD at his own cost, duly numbered, after the end of event at the respective polling station/counting centre.
23	42		General	Two Dry run before polling and Counting	Additional clause to be added "The client shall ensure access to polling station and counting station, power and necessary support to facilitate Dry run. Additionally internet connectivity should be available at counting station during the time of Dry Run		The client shall ensure access to the polling station and counting centre, power and necessary support to facilitate Dry run. Additionally internet connectivity shall be made available at the counting centres during the time of Dry Run by the Client.
24	57		General	Failure of server and its support system which is provided by client	Exception from penalty should be provided to Bidder in case of failure of server including crash, hardware failure and its support system such as Internet connectivity issues or power issues at the server and cloud infrastructure provided by the Client		Server side support shall be taken care of by the Client.
25	43 & 44	Chapter 8	8.1 Task 2 (f) & (m) - Live Streaming and Recording of the Polling at Polling Stations	LED TV 42"	Option for Color projector may also be included apart from LED TV.	As project will have a much larger and bigger view, the same be may be more effective in monitoring of multiple video feed during polling and counting.	Please refer tender document version 2.0 for details

26	Page 57 & 58	Chapter 10	10.1 and 10.2 - Penalty Clause	Penalty in Delay in the transmission of data feed from polling station and counting stations & Penalty for the delay in the transmission of data feed from the Web Cameras from the counting centres -  90% or more up time	To be reduced to 80% of more uptime	Two major factors that may affect the uptime are Internet connectivity and power outage for more than 2 hours. Internet connectivity in rural and remote location is always a challenge across Tamilnadu. There could be multiple polling location where internet connectivity could be very poor for streaming or completely not available. Connectivity disturbance may also affect SLA during the course of polling.	Tender conditions would remain the same
27	81	Appendix 7	A1 Specifications for Laptop		To be removed	Bidder shall be in the right position to choose the configuration of Laptop based on their technology and software efficiency	Bidder shall supply LAPTOPS as per the minimum configuration or more as indicated in Appendix 7 of tender document version 2.0
28	82	Appendix 7	A3 Specifications for HD Camera		To be removed	The specification mentioned in the tender document is incorrect. The specification much be left to the bidder to choose.	Bidder shall supply HD CAMERA's as per the minimum configuration or more as indicated in Appendix 7 of tender document version 2.0
29	82	Appendix 7	A2 Specifications for Webcam		To be removed	Bidder shall be in the right position to choose the configuration of webcam based video resolutions required in the Scope of work	Bidder shall supply WEBCAM's as per the minimum configuration or more as indicated in Appendix 7 of tender document version 2.0
30			General	Minimum Video and Audio resolution required for both online streaming and offline recording during Polling event.	Video resolution of minimum of CIF (352 X 288) and above supporting 15 FPS and Above with 8 bit Audio to be made mandatory for online streaming and VGA (640 X 480) and above supporting 24 FPS and Above with 8 bit Audio to be made mandatory for Offline Streaming for polling process.	This clause may be added in the Scope of work as the bidder can plan necessary laptop, webcam and Internet connectivity configuration which needs to be provided to ensure above resolutions of audio and video is streamed and used for offline recording.	Please refer tender document version 2.0 for details under task 2 in chapter 8. Scope of Work.
31			General	Minimum Video and Audio resolution required for both online streaming and offline recording during Counting event.	Video resolution of minimum of VGA (640 X 480) and above supporting 20 FPS and Above with 8 bit Audio to be made mandatory for online streaming and (720 X 480) and above supporting 24 FPS and above with 8 bit Audio to be made mandatory for Offline Streaming for Counting.	This clause may be added in the Scope of work as the bidder can plan necessary laptop, webcam and Internet connectivity configuration which needs to be provided to ensure above resolutions of audio and video is streamed and used for offline recording.	Please refer tender document version 2.0 for details under task 3 in chapter 8 - Scope of Work.
32	42	Chapter 8	8.1. Technical Details - Task 2: Live streaming and recording of the polling at polling stations	Two Dry run before polling and Counting	Additional clause can be added, "the second dry run can be exempted in locations, where the first dry run was successful"	This will reduce the cost and operations effort	Tender conditions would remain the same