

# **Tender Document**

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**Government of Jharkhand  
Cabinet (Election) Department  
Sector-2, Dhurwa, Ranchi**

**1. Invitation of Bid**

Sealed Bids under two bid system are invited from prospective companies / firms /bidders, strictly in accordance with this scope of work, terms & conditions, eligibility criteria etc. as mentioned in this tender document. This is a turnkey project and bidders are requested to study this document carefully, before submitting their offer, and ensure that they have clearly understood the purpose of this Tender invitation.

**2. Scope of Work**

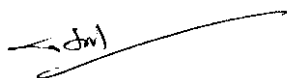
**Lok sabha/Assembly election Polling booth live video coverage**

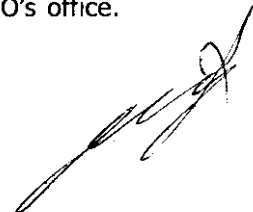
Deployment of election polling booths video coverage solution using IP based HD web camera and power backup, at the selected number of polling booths on the day of the Lok sabha and Assembly elections in future. The following is the work to be carried out by Bidder for the successful execution of the live webcast and its recording:

(a) Bidder / OEM should act as single TSP to organize project in terms of:

The Successful bidder has to undertake the Live web streaming (both audio & video) of polling day and counting day events during the Elections with the installation of the necessary suitable, proven web based web streaming software along with the supply of other related items as per the detailed Scope of Work given below.

1. Supply, installation, commissioning and implementation of the web based audio & video streaming software in the server set up in the secured cloud environment.
2. Supply and installation internet connectivity for use in the identified polling stations on the polling day along with one manpower per polling station, to operate them to web stream the live data.
3. Supply and installation of (as required) LED TV as per the specifications for use in the office of the Returning Officer (RO), on the polling day to operate them to view the live data.
4. Supply and installation of (as required) LED TV as per the specifications indicated in ( appendix B) for use in the office of the District Election Officers (DEO), on the polling day a long with one manpower per DEO, to operate them to view the live data.
5. Supply and installation of (as required) LED TVs as per the specifications indicated in ( Appendix B) for use in the office of the Chief Election officer (CEO) at State HeadQuarters, on the polling day along with two manpower, to operate them to view the live data.
6. Supply and installation of IP based HD web cameras along with one manpower per counting centre, for use in the counting centres, on counting day, to web stream the counting day activities in each counting centre.
7. Supply and installation of (as required) LED TV as per the specifications indicated in ( A ppendix B) in the office of the DEO, along with one manpower, for use on the counting day, to view the live data of counting activities in each DEO's office.





8. Supply and installation of (as required) LED TV as per the specifications indicated in ( Appendix B) in the office of the CEO, along with two manpower, for use on the counting day, to view the live data of counting activities in each CEO's office.
9. The Video Streaming solution should be able to display multiple streams happening at the same time, in the Polling stations/Counting Centres, on TV (s) for viewing in the Offices of the CEO, DEOs & ROs and ECI/
10. Training manual and training schedules at each DEO office for the officials on the operation of the web streaming software.
11. Establishment of the centralized Help desk with minimum of (as required) seaters to manage and fix the complaints/issues coming up on the Polling and Counting days.

**(b) Schedule of Bidding Process**

The Authority shall endeavor to adhere to the following bidding schedule:

Sl. No.	Event Description	Date
1	Issue of Bid Documents	From 29.01.2019
2	Last date for receiving queries	07.02.2019 by 5:00 PM (IST)
3	Pre Bid Meeting	08.02.2019 at 3:00 PM (IST)
4	CEO's response to queries latest by	12.02.2019
5	Bid Due Date	20.02.2019 by 1:00 PM (IST)
6	Opening of Technical Bids	20.02.2019 at 3:00 PM (IST)
7	Opening of Price Bid	20.02.2019
9	Issuance of Letter of Intent ("LoI")	To be informed

## Technical Specifications

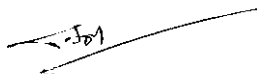
### Task 1: Hosting of the web based streaming software:

The bidder shall deploy suitably secured proven web based software that has the ability to record both audio and video.

The key features of the software shall be:

1. Able to record video in H.264 compression or other equivalent open formats which can be read by a variety of open source software solution.
2. Able to record at least 4 kbps audio in a good quality. This may be either encoded within the video stream or recorded as a separate stream.
3. The camera should be wall mounted and fixed. It should be appropriately secured from physical damage.
4. The web camera should be so placed to cover the maximum possible area in polling station without hampering the secrecy of vote. The light and glare should be minimum and should be capable of zooming in as per the requirements
5. During recording the Parliament/assembly constituency and polling stations

- should be visible clearly in camera view.
6. Further, it must be insured that in the framework used for webcasting, advertisement of any kind is not displayed.
  7. Both audio and video should have the running time stamp. The timestamp should come from a secured location / source and should be approved by the Nodal Officer
  8. The recording should not require any specialized software for viewing and should be done using the standard browsers which include the latest and up to 4 previous versions of the following – Google Chrome, Internet Explorer, Mozilla FireFox and Apple Safari.
  9. The Application shall be loaded from the Browser and the operator shall, only have the capability to Start and Stop the Recording. (The operator is a person provided by the bidder, who will use and operate the recording system and online application at the polling station).
  10. The software shall provide video streaming URL with password protection to view district wise, parliamentary constituency/assembly constituency wise and polling station/counting centre wise videos which are streamed from the polling stations/counting centres. The software shall provide for secure data streaming over the internet, with viewing access only to the CEO, and such other Offices as authorized by the CEO with user id and password. The data streaming shall not be open for viewing by the public over the internet without the approval of CEO
11. The software shall include options for
- a. Connectivity status of web camera/IP camera from the polling station/counting centre whether the stream is online/offline.
  - b. Option for auto rotation of videos within assembly constituency/district/state level based on the type of user connected and options selected.
  - c. Option for on-demand view of the polling station/counting centre wise video
12. Upon browser based video recording commencement, generic desktop lock must be engaged to disable all other applications from launching and connecting to the internet.
13. The software provided should have been developed by the bidder and should not be the free software or shareware available on the internet. During the recording, the User should be able to see the actual video that is being recorded.
  14. The software should be able to offer graceful degradation of the recording quality in case there is deterioration in the network speed. This should be automated without any user inputs to be required on this.
  15. The necessary load testing should also be carried out so that web streaming event meets the demand and goes through smoothly with good performance.
  16. Software provided shall be able to perform query of the video and audio content of the storage. The software shall be able to burn CD and DVD disks on Windows based computers and be able to query the content available based on multiple parameters as Data, Time, Location, etc.
  17. The Video Streaming solution should be such that it supports rewind with playback option and the option to move to the current live status of recording.
  18. The Video Streaming solution should be able to display multiple streams happening at the same time on one TV location. It shall provide for the selection of any of the polling stations at any time on poll day, from where video data is being streamed, for viewing in the Offices of the CEO, DEOs & ROs.
  19. The software shall list all polling stations/counting centres with their respective webcast after collecting and updating the details and the application software design from the nodal officer.



20. The data should in no point be hosted outside India and bidder will not access the data unless authorised by the CEO/DEO.
21. The video recording of the live webcasting at server shall be done as per the instructions of the nodal officer and shall not be stored in any form in any type of devices outside CEO's office after giving backup of all the videos to CEO's office. The bidder shall add the digital video watermark in the background of the streaming videos.
22. Uploading of the videos shall be carried out by the manpower posted by the bidder at each identified place, using webcam/HD camera and connectivity of either 4G/3G/2G/broadband, WiMax, DSPT etc., based on local availability.
23. At the end of each event, the web streamed data along with required reports, shall be made available within 4 days to the Client in a Hard disk for later retrieval and usage as necessary.
24. The Client shall facilitate the bidder in interaction with the telecom service providers to see that the connectivity is ensured during the events towards the smooth transmission of web streaming data.
25. The client shall also ensure the safety of the equipments such as Laptops, internet connectivity devices, high end cameras etc., installed by the bidders at the respective places, till the events are over.
26. The bidder shall also develop an application software which monitors the data feed from each Polling Station on the polling day and also from each HD camera in the counting centre on the counting day based on which the performance status of the data feed, and the live streaming at the offices of the RO/DEO/CEO, will be arrived on the Service Levels provided, to levy penalties as indicated under penalty clause. This software should be vetted from CEO a week before deployment. The bidder shall provide access to dashboard view for more than one locations, i.e. DEO, CEO and ECI HQ which should reflect point of failures, network status, recording status and downtime status. Network quality indicator on each camera should be made available in the User view mode and this should be computed and displayed automatically.

## Task 2. Live Streaming and Recording of the Polling at Polling Stations

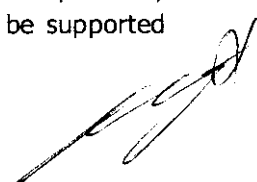
1. A pre-determined list of polling stations from where live web streaming will happen shall be shared with the bidder.
2. Number of Locations for Video & Audio Recording: (as required)
3. The bidder has to supply and install the IP based web cameras, as per the minimum specification in the identified Polling stations. The web camera should have facility of local recording, with minimum of 3 Megapixel camera resolution. The camera should have night vision capability, wide angle with 30/ 170 degrees coverage. The camera should be having capability of 10x zooming. The camera should have minimum illumination of .05 lux.
4. The camera should support 16-4096 Kbps code rate, support constant bit rate/variable frame rate of up to 30 fps. Image Control: Backlight compression, AUtomatic white balance, 3D digital noise reduction. The display should be supported is 1920 x1080.
5. The bidder has to provide the suitable internet connectivity on all locations of installation of cameras for the services rendered by the bidder.




6. 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 camera and the internet connectivity on the day of polling and also during trial runs
7. The bidder is required to have at least two dry/trial runs of the process, to satisfy the Client that their systems are in good working condition at least two days before the poll and the counting day.
8. In case of Re-poll ordered at a booth under live web streaming, the web streaming of that re-poll shall continue to be the responsibility of the bidder. This will not entail additional financial commitment.
9. The bidder shall also provide the following, in the offices of RO, DEO & CEO to view the live feeds of the polling day activities smoothly by providing LED TV 70 "
10. The bidder shall ensure that the live feeds are transmitted in a secure manner to the server and then to the concerned officials up to the satisfaction of the nodal officer, for the duration when the operations are on.
11. The bidder shall ensure that the recorded material transmitted does not fall into the hands of any party, not authorized by CEO to receive the same.
12. The recorded material shall be the exclusive property of the CEO and neither the bidder nor any other party will be entitled to utilize the same.
13. After the event is over on polling day, the supplied LED TV's and internet connectivity, have to be taken back and manpower has to be withdrawn by the bidder.
14. The bidder shall provide adequate compute performance on the servers and storage along with suitable high speed internet / network bandwidth to accommodate the multiple video streaming.
15. The Client will provide the list of mobile phone facilities of the election officials (that of the Presiding Officer / PO Officer), in an excel/CSV format, to the bidder, a few hours before the start of the election process for communication purposes.
16. The video and audio should be live streamed to the Control centre via the server. The bidder should deploy the following resources on the days of polling and counting in each Control Centre
17. The bidder shall provide the sufficient internet bandwidth for the live streaming of the poll day event.
18. 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.
19. Number of Days required for recording at each location : 1 day [References to Day means 24 hours or part thereof

### Task 3. Live Streaming and Recording of the Counting Process

1. The bidder has to supply and install the IP based HD web cameras, as per the minimum specification in the identified Polling stations. The web camera should have facility of local recording, with minimum of 3 Megapixel camera resolution. The camera should have night vision capability, wide angle with 30/ 170 degrees coverage. The camera should be having capability of 10x zooming. The camera should have minimum illumination of .05 lux.
2. The camera should support 16-4096 Kbps code rate, support constant bit rate/variable frame rate of up to 30 fps. Image Control: Backlight compression, AUtomatic white balance, 3D digital noise reduction. The display should be supported is 1920 x1080.

3. A pre-determined list of locations where Counting Process will happen shall be shared with the bidder.
4. All the items for Task 1 are required to be adhered to as applicable. Some Important detail for the consideration includes:
5. Number of Locations for Video & Audio Recording: (as required)
6. The bidder shall supply (as required) of High end IP cameras as per the specifications given in (enter Appendix A) at each counting centre location as per the breakups
  - a. Near the counting board : 1 No
  - b. Near the RO : 1 No
  - c. Tables 1 to (n) : (as required) Nos
7. These cameras should support full HD recording. These cameras will be owned and operated by the bidder and shall be taken back at the end of the assignment.
8. Description and make / model of these cameras should be provided in the proposal.
9. Number of Days required for recording at each location : 1
10. The bidder shall provide the sufficient internet bandwidth to the high end cameras for web streaming of the counting day event.

## Task 4: Setting up a Help Centre & Deployment of Manpower

1. The bidder is required to deploy adequate manpower to meet all conditions of the assignment. The following teams shall be required to be created.
2. Centralized Help Desk in state HQ operating under the Control of the Nodal Officer
3. Team with (as required) seater minimum, shall be located in (location) and shall assist all other locations to fix the issues that are coming up relating to this assignment.
4. The help desk should be operational on 3 days before polling and one day after polling, including the polling day. If there is a repoll, it should continue, till the end of the repoll.
5. Similarly the helpdesk should also function two days before counting and one day after counting including the counting day. If there is recounting, it should continue till the end of the recounting.
6. Manpower: These personnel should be skilled in the application software being deployed by the bidder, their configuration, use, etc. They should be available to assist with any issues arising during the course of the assignment.
7. The CVs of all the personnel, being deployed should be provided.  
Each of the personnel should have at least two of the following with him while in duty. – A Passport, A Driving License, PAN Card, Aadhaar Card or other form of identity as specified by the Nodal Officer.
8. The following details shall be provided by the bidder in the CVs – Name, Date of Birth, and Copies of Identity cards as above, Permanent Address, Address during the last 10 years, Any Criminal or Civil Record, Educational Qualifications, Experience.
9. There may be Police / Security Clearance checks conducted against the personnel and the Client may ask for any or all personnel to be replaced, which shall be required to be complied with immediately.
10. The personnel shall be required to operate around day of polling and counting process from each of the Centre posted, in each of the (Parliamentary /Legislative) Assembly Constituency.




11. The personnel have to report for duty on one day before the polling day and should be available till the sealing of EVM's is completed. Similarly during counting, the personnel have to report for duty one day before counting and should be available till the counting process is over completely.
12. Training of these personnel and the tasks shall include: Training the manpower in downloading the web streaming application and in the setting up of the entire recording system and allied issues, like connectivity, alert assistance etc. The training required will have to be conducted by the bidder, in the districts/at a suitable place for one or 2 days as decided before they are deputed to the concerned place for on duty.
13. Troubleshooting any hardware/software issues related to entire process of recording, streaming and monitoring.
14. Any other tasks found necessary for the successful live streaming of the videos.
15. The client will issue election duty certificate (EDC) or Postal Ballot to the manpower posted in the respective locations as necessary. The manpower shall be asked to report for duty to the concerned officials when posted.

## Task 5. Development of Training Material

1. A detailed Training Material is required to be developed by the bidder as the part of the assignment. The training material is required for the following purposes:
  - a. For operating the web streaming Software / Cameras etc.
  - b. For Post event operation of the Video Surveillance footage.
2. The Training Material should be in the following formats:
  - a. Documentation: Text based training material in the form of documents showing pictures / images and text of How-To, Help Guides, etc.
  - b. Multimedia: Audio and Video content including animations, videos, etc. for the above. Manuals on How To Video shall also be made available.
3. The training material shall be placed in a secure location on the internet, for access only by the authorized users. It shall also be available offline in PEN Drive / CD Discs to all locations, where it can be shared and disseminated with all the intended/required users. The Help Desk personnel shall additionally act as Facilitators to facilitate the learning progress.

## Reporting Requirements and Time Schedule for Deliverables

The following would be the reporting requirements for the bidder:

1. An Inception Report within 1 week, from the start of the assignment. Weekly Progress Reports consisting of
  - a. All works performed by the bidder.
  - b. The Time Sheets / Attendance duly countersigned by the Nodal Officer
2. All Other Reports as required for the successful execution of this assignment.
3. Development and Maintenance of an MIS for all reporting purposes.
4. Final Report within 2 weeks of closure of all activities stipulated in the contract.
5. The reports may be submitted in hardcopy and in soft copy (through e-Mail / MIS / Shared Folder over Internet) to the officers concerned.
6. The bidder after completion of the recording activities, all data to be arranged on the Hard disks and handover to the nodal officer, within 4 days after each event (polling/counting) is completed. After handing over the data, the bidder shall not retain any data in their computers or in any form with them. Any deviation in this regard, the bidder shall be held responsible and liable for punishment as per law. The HDD shall be provided by the bidder at his own cost.



### 3. Supply, Installation and Commissioning

1. Delivery: The ordered items shall be delivered, installed and commissioned within one week from the date of Work Order. The Successful bidders after obtaining the Consignee address shall visit the sites to assess the readiness of the site for installation. A report in this respect shall be submitted to Client.
2. The Client is solely responsible for the site preparation, if any, before the scheduled installation dates.
3. After successful Installation, commissioning and completion of the delivery to the User Department at different locations, the Bidder must obtain signed Delivery Challan in the specified format (Enter format).
4. The details of the representatives responsible for attending the services at each client site, name and designation of the contact person and centre in-charge, higher level in-charge who is responsible to oversee the service centres, person to whom complaints can be made, in case the service provided to any centre, is not satisfactory and the contact numbers of the responsible person, fax, mobile numbers & email address must be provided well in advance to the Client.
5. In the event of non-acceptance of the items delivered by the Client, the Successful Bidder shall immediately report to client for suitable directions.
6. If there is any cancellation of the event after issuing the work order, it will be intimated within 24 Hours time in advance.
7. The quantity mentioned in the Tender document is tentative only. Payment will be released based on the quantity used at the site and the same has to be attested by Client.
8. The Successful Bidder shall be liable and / or responsible for the compliance of all Statutory Provisions and especially those relating to Labour Laws in respect of this Contract.

### 4. Release of Payment

The following are the conditions precedent for release of any payment by the Client:

1. Signing of Contract
2. Signing of Non Disclosure Agreement (specify format) by all the persons involved in the assignment
3. Submission of an irrevocable Bank Guarantee of the Contract amount in the format (specify format) specified to the Client.
4. The following would be the Milestones and Payment

SN	Milestone	Approval	By Date
1.	Inception Report Submission	By CEO	(Enter date)

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28.1.19

2.	Training Documents and Multimedia content & Training for all officials concerned	By CEO	(Enter date)
3.	Two Trial runs and satisfactory Certificate before two days of poll day and counting day.	By CEO	(Enter date)
4.	Submission of all other project deliverables and final report	By CEO and Payment in full	Within 15 days after the completion of polling and counting events

No advance Payment will be made

### 5. Other Terms and Conditions:

(a) Bidders are required to quote their rates based on estimated 2000 to 3000 polling booths. However, payment shall be made for actual number of orders placed.

(b) Bidder will deliver and collect the IP Camera from the Store Section of the concerned District Election Officers (DEO), from where it shall be distributed to booth level technical manpower appointed / deployed and authorised by DEO concerned. At this time, a detailed training will also be conducted by the Bidder to the technical manpower for smooth execution of live webcasting from their polling booth concerned. It will be the responsibility of booth level technical manpower selected by the concerning DEOs to Receive and Deposit all required equipments from the polling parties safely. It shall also be responsibility of DEO to ensure that the equipment, like IP cameras, mounts, charger, power units etc. is returned to the Bidder in working and undamaged condition. Loss and or damage of equipment shall be borne by the Office of Chief Electoral Officer, Jharkhand, Ranchi and may be recovered later from the person responsible for the loss and damage thereof, depending on the situation in each case.

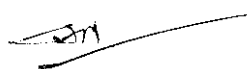
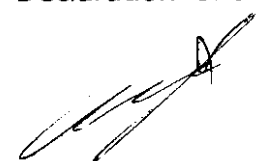
(c) For viewing the live webcast in election, the secured username and password shall be provided by Bidder as required so that it can be seen in secured CUG.

(d) Bidder shall supply and install four 70 "single panel LED screens at Office of CEO for live viewing of webcast stream. This shall be on rental basis.

(e) Bidder shall, in their bid offer, mention clearly the support required from office of CEO and DEOs for web casting.

(f) Bidder shall submit technical compliance of each required product and services under seal and signature of OEM.

(g) Bidder should execute an agreement (as per the format prescribed by Office of the Chief Electoral Officer, Jharkhand) on non-judicial paper of Rs. 100/- within a period of 7 days from issuing date of this work order along with Bid Securing Declaration and performance Security Declaration.

(h) Bidder should submit PIP (Project implementation Plan) including the training schedule within a period of 10 days from issuing date of this work order.

(i) Tender Fee shall be in form of account payee Demand Draft/Bankers' Cheque and EMD in form of Demand Draft / Bankers' Cheque / Bank Guarantee, of any nationalized Bank, in favour of **Chief Electoral Officer, Jharkhand** payable at Ranchi.

(j) Late and delayed tender will not be considered. in case any unscheduled holiday occurs on prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.

(k) The tenders are liable to be rejected if any of the fore going conditions are not complied with. Bidders must comply with each and every technical requirement along with stipulated terms & conditions, etc, The tender should be complete in all respects and duly signed wherever required, incomplete and unsigned offer will not be accepted.

(l) TDS as applicable shall be deducted at source from the Bill.

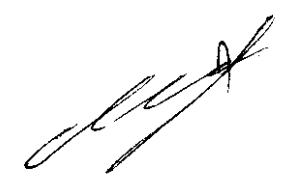
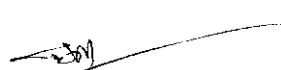
(m) The Bidder shall supply the requisite IP Based HD Camera, LED TV and other hardware along with live streaming solution.

## **6. Instruction to bidders**

### **6.1 Definitions:**

Unless the context otherwise requires, the following terms whenever used in this RFP have the following meanings:

- (a) "Bidder" means firm/company/organisation who submits proposal, in association with their respective OEM(s), in response to this RFP (Request for proposal) document, for execution of work stated under schedule A & B.
- (b) "OEM" means Original Equipment Manufacturers or Technology providing company and part of the Bidder and or bidding company.
- (c) "Committee" means committee constituted for evaluation of Proposals.
- (d) "Company" means the firm/company/organisation, selected through competitive tendering in pursuance of this RFP, for execution of work stated under Schedule A & B.
- (e) "Contract" means the Contract entered into by the parties for providing implementation services along with the entire documentation specified in the RFP.
- (f) "ITB" means Instruction to Company / Bidder.
- (g) "IFP" means Invitation for Proposals.
- (h) "Last Three Financial Years" means FY-2015-16, 2016-17, 2017-18
- (i) "Proposals" means proposal submitted by Company / Bidder in response to the RFP issued by the office of Chief Election Commission, Jharkhand.
- (j) "Services" means the work to be performed by the Company / Bidder pursuant to this RFP and to the contract to be signed by the parties in pursuance of any specific assignment awarded by the office of Chief Election Commission, Jharkhand.
- (k) "Sow" means Scope of work for the Company.



- (l) "Client" means the office of Chief Election Commission, Jharkhand and or office of the Chief Electoral Officer, Jharkhand.

## **6.2 Conflict of Interest:**

The Company should provide professional, objective and impartial advice and at all times and hold the Client/Government's interests paramount, strictly avoid conflicts with other assignments/jobs or their own interests. The company shall not deploy former employees of the office of Chief Electoral Officer, Jharkhand in assignment under the RFP.

## **6.3 Validity of Proposals**

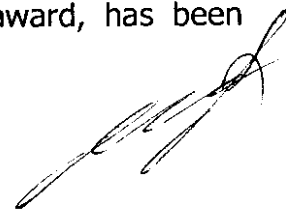
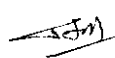
- (a) Proposal shall remain valid for a period of 365 (three hundred and sixty five) days from the date of finalising of Tender and or from the date of award of work order. Government reserves the right to reject a proposal valid for a shorter period as non-responsive.
- (b) if required, the office of Chief Electoral Officer, Jharkhand may solicit the Company's / Bidder's consent to extension of the validity period for a period not exceeding one year. The request and the response shall be made in writing. Extension of validity period by the Bidder / Company will be unconditional and will not be permitted either to modify its commercial proposal upward and or downgrade offered technology on account of extension.

## **6.4 Right to accept or Reject Proposal(s):**

Office of Chief Electoral Officer, Jharkhand reserves the right to annul the RFP process, or to accept or reject any or all the proposals in whole or part at any time, before the award of work order, without assigning any reasons and without incurring any liability to affected company(s) / bidder or any obligation to inform the affected company(s) of the ground for such decision.

## **6.5 Fraud and Corruption**

- (a) It is required that the Company / Bidder submitting proposal against this RFP must observe the highest standards of ethics during the process of selection of company and during the performance and execution of contract.
- (b) For this purpose, definition of the terms are set forth as follows:
- (c) Corrupt practice means the offering, giving, receiving or soliciting of anything of value to influence the action of government or its personal in contract executions.
- (d) "Fraudulent practice" means a misrepresentation of facts, in order to influence a selection process of the execution of a contract, and includes collusive practice among Company (prior to or after Proposal submission).
- (e) "Unfair trade practice" means supply of services different from what is ordered on, or change in the Scope of Work.
- (f) "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the selection process or execution of contract.
- (g) Office of Chief Electoral Officer, Jharkhand, will reject a proposal for award, if it determines that the Company / Bidder recommended for award, has been



determined to having been engaged in corrupt, fraudulent or unfair trade practices.

## **6.6 Clarification and Amendments of RFP**

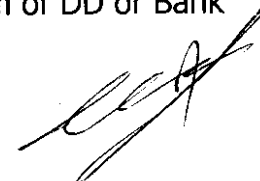
- (a) During process of evaluation of the Proposals, the office of Chief Electoral Officer, Jharkhand, may, at its discretion, ask Company / Bidder for clarifications or their proposal. The Company / bidder is required to respond within the prescribed time frame, failing which their bid proposal may be rejected.
- (b) Office of Chief Electoral Officer, Jharkhand may for any reason, modify the RFP from time to time. The amendments(s) to the RFP would be clearly spelt out and the Company / Bidder may be asked to amend their proposal due to such amendments.
- (c) Bidders are advised to check website of "Office of Chief Electoral Officer, Jharkhand" at [www.jharkhand.gov.in/ceo](http://www.jharkhand.gov.in/ceo) regularly for any Addendum / Corrigendum / Amendments related to this Project.

## **6.7 Tender Fee, Earnest Money Deposit (EMD) & Security deposit**

- (a) Any previous EMD lying with the office of Chief Electoral Officer, Jharkhand in respect of Request for Proposal cannot be used for this RFP.
- (b) The EMD of Rs.100,000.00 (Rupees One Lakh Only) to be made in the form of DD or BG in favour of The Chief Electoral Officer, Jharkhand.
- (c) The EMD will be forfeited on account of one or more of the following reasons:
- (d) Company / Bidder withdraws its Proposal during the validity period as specified in the RFP.
- (e) Company / Bidder does not respond to requests for clarification of its Proposal.
- (f) Company / Bidder fails to provide required information during the evaluation process or is found to be non-responsive.
- (g) In case of a successful Company / Bidder, the said Company / Bidder fails to sign the Agreement and / or provide the PBG in time specified in this RFP.
- (h) The EMD of the successful bidder will be returned after signing of contract and submission of Performance bank guarantee (PBG).
- (i) EMD in respect of unsuccessful bidders will be refunded on final award of contract to the successful bidder.
- (j) Security deposit of 5% of the contract value to be submitted in the form of PBG in Favour of The chief Electoral Officer, Jharkhand.
- (k) Tender fee of Rs. 5000 (Rupees Five Thousand only) value to be submitted in the form of DD in Favour of The chief Electoral Officer, Jharkhand

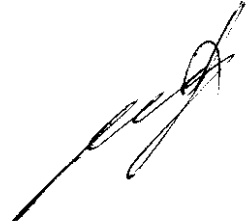
## **6.8 Eligibility Criteria:**

- (a) Sealed Bid shall be submitted following two bid system, namely Technical and financial, both sealed separately in two different envelopes. The envelopes should clearly have mention of Technical and Financial Bid, along with name of the Bidder, Tender number / name, date and time of opening. Both sealed technical and financial bid shall then be put in one another outer envelope, duly sealed, along with name of the Bidder, Tender number / name, date and time of opening. The Technical Bid shall contain EMD in the form of DD or Bank



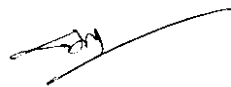
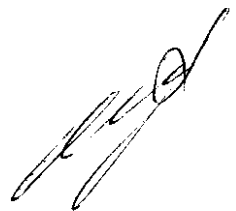
Guarantee in favour of The Chief Election Officer, Jharkhand, duly signed and stamped tender document, relevant details as per the tender document, eligibility documents, without any price. The Financial Bid shall contain only prices in the supplied format only.

- (b) The individual signing the proposal documents, in connection with the tender must certify as to whether he or she has signed as:
- (i) A "Sole Proprietor" of the firm or constituted attorney of such sole proprietor.
  - (ii) A partner of the firm, in case of partnership firm, in which case he must have authority to refer to arbitration, disputes concerning the business partnership, either by the virtue of partnership agreement or a power of attorney. In the alternative all the partners should sign the tender.
  - (iii) Constituted attorney of the firm, if it is a company.
- Company failing to meet these criteria or not submitting requisite supporting proof as specified is liable to be rejected during pre-qualification evaluation.
- (c) Consortium : limited to one lead/prime bidder and one consortium bidder is allowed.



<b>Lead / Prime Bidder Qualification in addition to all other requirements mentioned in this tender document</b>	<b>Consortium Bidder Qualification (if bid submitted in consortium), (in addition to all other requirements mentioned in this tender document, where ever applicable)</b>
1. Bidder must be an Information Technology company / firm.	Consortium Bidder must also comply
2. Bidder should have experience of execution of orders of web casting / surveillance monitoring business.	Consortium Bidder exempted
3. The Bidder or their service provider should have their server in India only.	Consortium Bidder exempted
4. The Bidder must not use any open source or free ware technology available in the market.	Consortium Bidder exempted
5. Bidder can be either Original Equipment Manufacturer (OEM)/Original Service Provider or their Authorized System Integrator Partner having direct purchase and support agreement with them for quoting in this tender.	Consortium Bidder must also be Authorized System Integrator Partner of Original Equipment Manufacturer (OEM) / Original Service Provider the having direct agreement with them for quoting in this tender in consortium.
6. On award of work-order, all parties (OEM / original service or technology Provider, their bidder and consortium partner shall have to enter into an agreement with office of the Chief Electoral Officer, Jharkhand or its assign(s). This agreement will be binding to all.	Consortium Bidder must also comply
7. Bidder / Company / Firm should have been into existence in India for at least last five years.	Consortium Bidder must also comply
8. Bidder shall not be blacklisted / declared ineligible / declared having dissatisfactory performance by any Government Department in India. Bidder to enclose a sworn affidavit and undertaking to this effect.	Consortium Bidder must also comply
9. Bidder must be registered under GST.	Consortium Bidder must also comply
10. Bidder to submit copy of their PAN card.	Consortium Bidder must also comply
11. Bidder must have registered office at Jharkhand. In case the bidder is not registered at Jharkhand, it will have to submit an undertaking that they will open an office at Jharkhand within seven days of award of order, failing which their EMD will be forfeited and suitable action initiated.	Consortium Bidder must also comply

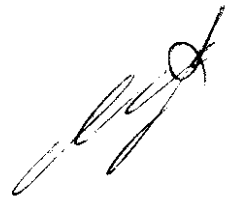
12. Turnover : Bidder must have a minimum Turnover of Rs three crores each year in last three financial year.	Consortium Bidder should have minimum cumulative turnover of Rs three crores in last three financial years.
13. Bidder must have a positive net worth in last three financial year.	Consortium Bidder must also comply
14. Bidder should be profit making company / firm in last three financial year	Consortium Bidder must also comply
15. Bidder should be an ISO 9001 certified company	Consortium Bidder must also comply with either of the certifications
16. In case the bidder is downloading the tender from the official website of Office of the Chief Electoral Officer, Jharkhand, the bidder shall enclose the tender fee in their technical bid offer through bank draft. The date of demand draft should not be later than the last date of tender purchasing.	Consortium Bidder exempted.
17. Details of the technical features offered by bidder should be strictly as per specifications enumerated in this tender document	Consortium Bidder must also comply
18. No partial compliance is allowed	Consortium Bidder must also comply
19. The rates should be quoted and legibly written both in words and Figures. In case of corrections, the same must be attested by the bidder with full signature; however no overwriting is permissible.	Consortium Bidder exempted, however no overwriting is permissible.
20. In case of any discrepancy between words and figures, in financial bid, the rates in words shall be accepted as correct	Consortium Bidder exempted



# Appendix A

During Polling	IP based HD web camera
	3 MegaPixel minimum
	night vision capability
	wide angle with 30/ 170 degrees coverage
	minimum illumination of .05 lux.
	support 16-4096 Kbps code rate
	support constant bit rate/variable frame rate of up to 30 fps
	Image Control: Backlight compression, Automatic white balance, 3D digital noise reduction.
	display should be supported is 1920 x1080.
During Counting	IP based HD web camera
	3 MegaPixel minimum
	night vision capability
	wide angle with 30/ 170 degrees coverage
	minimum illumination of .05 lux.
	support 16-4096 Kbps code rate
	support constant bit rate/variable frame rate of up to 30 fps
	Image Control: Backlight compression, Automatic white balance, 3D digital noise reduction.
	display should be supported is 1920 x1080.


# Appendix B

<b>Display</b>	
<b>PANEL</b>	
Screen Size	70" or Higher
Panel Technology	IPS
Aspect Ratio	16 : 9
Native Resolution	3840 x 2160 (UHD)
Brightness	500cd/m <sup>2</sup> or Higher
Contrast Ratio	1200:1 or Higher
Dynamic CR	4,000,000:1
Viewing Angle(H x V)	178 x 178
Response Time	6 ms(G to G)
Orientation	Portrait & Landscape
Wi Fi	Built In Wi Fi
Life Time	50,000 Hrs or Higher
<b>Connectivity</b>	
Input	HDMI, DVI-D, DP,USB, Audio
Output	DP, Audio
External Control	RS232C (In/Out), RJ45, IR Receiver
<b>Environment Conditions</b>	
Operation Temperature	0 °C to 40 °C
Operation Humidity	10 % to 80 %
Power (Typ)	240W OR Less
<b>STANDARD(CERTIFICATION)</b>	
Safety	UL/cUL
EMC	FCC Class "A"
Warranty	3 Years
Authorization	OEM Authorization must

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# Financial Form

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## Financial Form

Name of the Bidder:			
Webcasting through IP based HD web Camera at various Polling Booths of Jharkhand including bandwidth	Basic Rate Per Polling Booth inclusive all hardware & software in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All Inclusive rate per polling booth in INR
Setting up of Control Room at CEO / DEO / RO Office in Jharkhand including Hardware, software bandwidth, NAS, workstation etc.	Basic Rate inclusive all hardware, software, bandwidth, NAS, workstation etc. in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All Inclusive rate in INR
Supply and installation of 70" or higher LED Screen mounting kit, etc. on rental basis	Basic Rate for each 70" or higher LED screen in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All inclusive rate in INR
Repair cost of IP based HD web Camera, in case of damage during usage	Basic Repair Rate per Tablet in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All inclusive rate in INR
Repair cost of UPS/Inverter, in case of damage during usage	Basic Repair Rate per UPS / Inverter in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All inclusive rate in INR

*[Signature]*

*[Signature]*

<b>Cost of UPS / Inverter, in case of loss during usage</b>	Basic Rate per UPS/ Inverter in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All inclusive rate in INR	
<b>Webcasting through IP based HD web Camera at various Counting Centres of Jharkhand including bandwidth</b>	Basic Rate Per Counting centre inclusive all hardware & software in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All Inclusive rate per Counting centre in INR	
<b>Setting up of Control Room for counting purpose at CEO / DEO / RO Office in Jharkhand including Hardware, software bandwidth, NAS, workstation etc.</b>	Basic Rate inclusive all hardware, software, bandwidth, NAS, workstation etc. in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All inclusive rate in INR	
<b>Manpower for Centralized Help Desk at State HQ / District HQ</b>	Basic Rate per manpower per month in INR	Please specify GST, as per present Government Rules in India in % and amount (INR)	All inclusive rate in INR	

Date : .....

Place : .....

Signature of Bidder

