

**NATIONAL INSTITUTE FOR EMPOWERMENT OF PERSONS  
WITH MULTIPLE DISABILITIES (NIEPMD)**

(Department of Disability Affairs, Ministry of Social Justice & Empowerment, Govt. of India)

East coast Road, Muttukadu, Kovalam (post) Chennai-603 112

**Tel:044-27472113,27472046 Fax: 044-27472389**

**[www.niepmd.tn.nic.in](http://www.niepmd.tn.nic.in) Email:niepmd@mail.com**

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**TENDER DOCUMENT(AFTER PRE BID MEETING) : FOR SUPPLY, INSTALLATION,  
TESTING & COMMISSIONING (SITC) OF CCTV SYSTEM AND DATA NETWORKING  
INCLUDING AMC**

National Institute for Empowerment of Persons with Multiple Disability (NIEPMD) invites sealed Tender in two bid systems Technical bid and financial bid from the experienced supplier/ contractors/ resourceful firms / organization who has proven capabilities in both technical and financial for Supply, Installation, testing and commissioning of IP based CCTV Cameras and its accessories with data networking including AMC for Security Surveillance System at NIEPMD Buildings and campus. The Tender documents can be downloaded from the official web site of NIEPMD [www.niepmd.tn.nic.in](http://www.niepmd.tn.nic.in).

**Tender No.: NIEPMD/Pur 4 (31)/2014-15**

Last date for sale of Tender Document : **12.30 PM. On 30-12-2014**  
Cost of Tender document : **Rs.1000/-**  
Pre-Bid Meeting Date : **02.00 PM on 12 Dec 2014**  
Last Date, Time & place for submission of : **01.00 PM. on 30-12-2014**  
Tender Document **Tender Box at NIEPMD**  
EMD (To be attached with tech Bid by way : **Rs.1,20,000/-**  
of DD in favour of Director NIEPMD,  
payable at Chennai.

Date & Time of Opening of Tender Documents : **02.00 PM. On 07-01-2015**

Tele: 044-27472046/27472113 Telefax: 044-27472389 E-mail:niepmd@gmail.com

**DIRECTOR**

National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD) is a Central Autonomous Body under the Ministry of Social Justice & Empowerment, Government of India is intended to install Closed Circuit Television (CCTV) camera network at its Headquarters, buildings and campus at Muttukadu, Kovalam, Chennai.

On behalf of Director NIEPMD, institute invites Tenders in two bid system from reputed and expert Companies having experience in supply and installation of IP Based

CCTV Cameras and its accessories with data networking including AMC (Security Surveillance System) for monitoring of activities to its headquarters, Model school, old building hostels and main gates etc. It is reiterated that only such companies having successfully provided comprehensive IP Based CCTV Cameras and its Accessories (Security Surveillance System) in major organization of Central Government / State Government / Central Autonomous bodies /State Autonomous bodies / Central Public Undertaking / State Public Undertaking/Educational Institute and having annual turnover of not less than Rupees **One Crore** will be considered for pre-qualification. Proof in this regard should be attached. Detailed terms and conditions, tender format and specifications of the items can be downloaded from the institute's website [www.niepmd.tn.nic.in](http://www.niepmd.tn.nic.in) or can be obtained from our office in Chennai on all working days (Mon to Fri except on Govt. Holidays) from **26-11-2014 to 30.12.2014 between 10.00AM and 3.00pm.**

Date: 16 Dec 2014

**Deputy Registrar (Admin)**

**DIRECTOR**

**NOTICE INVITING TENDERS**

**Invitation to bid for the Supply, Installation, Commissioning and Maintenance of Closed Circuit Television System with Data networking and AMC at NIEPMD, Chennai – 603 112**

**PART-I (TECHNICAL BID)**

**PART-II (FINANCIAL BID)**

1. On behalf of Director, National Institute for Empowerment of Persons with Multiple Disability (NIEPMD) we have the pleasure in inviting your lowest tender for the aforesaid work.

**2. Eligibility Criteria.**

Bidders having experience in undertaking similar nature of work and fulfilling the following eligibility criteria only need tender for the work:

a) The Bidder shall be a registered company/firm/HUF involved in the supply, installation, commissioning and maintenance of CCTV and Data networking system. (Attach Proof)

**b) The Bidder must have after sales and services facility in Chennai. Address of Local Service Centre with proper evidence to be provided. (Attach Proof)**

c) Certified copies of abridged balance sheets along with profit & loss account of the firm (tenderer) in support of annual financial turnover during the last years, ending 31st March 2014 of the previous financial year, should be at least **One Crore**. (Attach Proof)

d) The Bidder must have been in this business at least since last Five years and must have successfully completed at **least 05 similar works** in any Govt. organization /Abs/PSU / University / Institution of costing not less than the amount equal to 50% of the estimated cost. (Copy of work orders to be enclosed)

e) The Bidder must either be the Original Equipment Manufacturer (OEM) or an authorized dealer, for supply and maintenance of CCTV. In case of OEM, Proof of being Original Equipment Manufacturer (OEM) or authorised dealer must be attached.

**OR**

In case of authorized representative of OEM - current authorization from the OEM.

**OR**

In case of System Integrator- authorization of OEM declaring the tenderer as system integrator for its product, detailed and valid agreement between System Integrator and

the OEM(s) defining clearly the role, responsibility, scope of work and contribution towards the tendered Equipment/System for each OEM(s).

f) The Bidding firm/company//HUF/vendor must be a registered company under relevant act. (Attach proof).

(g) Capability of vendor to complete this task in 90 days after issue of work order. (Attach undertaking)

(h) Undertaking unconditional acceptance of tender term and conditions. (Attach undertaking)

(l) Bidder must submit a certificate of undertaking that he is in position to Supply, Installation, testing and commissioning of IP based CCTV Cameras and its accessories and data networking with a credit of 30 days after clear receipt of completion of task after '**User Acceptance Test**' (UAT).

(j) Proof attending pre bid meeting. Tender from bidder not attending pre-bid meeting will not considered for evaluation.

(k) Valid Sales Tax Registration Certificate/ VAT Certificate.

(k) Vendor shall provide project plan for the procurement & implementation.

### **3. Bidding Process**

The bidding will be a two stage bidding process and each bidder will submit two envelopes as Indicated below:

#### **(3.1) Envelope 1 - Technical Bid**

**This envelope must contain the following (along with document mentioned in Eligibility Criteria):**

(a) Proof pertaining to the eligibility of the Bidder i.e. copies of the income tax returns for the preceding three years (i.e. for the years **2011-12, 2012-13 and 2013-14**), copies of the **work order and work completion** certificates in respect of similar work executed in Central Govt. Department, State Govt. Department Public sector undertaking Organization Public sector Banks of value as indicated in the eligibility criteria, Copy of the registration of the firm/company and copy of the dealership certificate from the Original equipment manufacturer.

(b) Bidder' General Information.

(c) Compliance with Technical Specifications of System Equipment's.

(d) Details of Service / Support Infrastructure.

(e) Acceptance of all Terms & Conditions as mentioned in the Notice Inviting Tender, NIT

(f) Product Brochures containing detailed description of essential technical and performance characteristics of offered equipment.

(g) Audited Balance Sheet and Profit & Loss Account statements (certified by a practicing Chartered Accountant) for the last financial years.

(h) Undertaking to provide comprehensive two year On-site Warranty on all product including of NVR system;

(i) **Earnest Money Deposit (EMD)** by way of Demand Draft for an amount of Rs. 1,20,000/(One Lakh Twenty Thousand only) in favour of **Director NIEPMD**.

(j) **Cost of tender document** Rs. 1000/- as form of Demand Draft in favour of Director NIEPMD, Chennai or Copy of receipt in case Tender document purchased from our office.

### **(3.2). Envelope 2 -- Financial Bid**

This envelope will contain the Bill of Quantities duly priced.

**4. Tenders submitted in a single envelope shall not be accepted and would be returned unopened to the respective bidders.**

### **GENERAL TERMS & CONDITIONS**

1. The tender forms will be available on all working days from 26-11-14 to 30-12-14 between 10.00 AM. to 3.00 PM.
2. The Technical Bid should accompany a Demand Draft of Rs. 1,20,000/- (Rupees One Lakh Twenty Thousand Only) drawn on any nationalized Bank in the Name of "Director, NIEPMD Chennai" payable at Chennai towards Earnest Money Deposit (EMD). In case of tender document downloaded from our web site tender document fee of Rs. 1000/- (Nonrefundable) in the form of Demand Draft of any nationalized bank in the Name of "Director, NIEPMD" to be enclosed along with Technical Bid. In case document purchased from our office, receipt should be enclosed. Tender received without EMD & Tender Fee or lesser amounts will be summarily rejected.
3. No alteration or amendments shall be allowed after submission and opening of the tenders.
4. The "Technical Bid" and "Financial Bid" put in different envelopes duly marked as such on the top of the envelope shall be put in one big envelope. The big envelope should be addressed to the Director, NIEPMD, Chennai and must reach NIEPMD, Chennai either by **speed post / Courier / Person drop in tender box** on or before 01.00 PM. on 30.12.14.

5. Rate should be clearly written in the columns specified. All erasures and Alterations made while filling the tender must be attested by initials of the tenderers. Over writing of figures is not permitted, failure to comply with either of these conditions will render the tender void at the NIEPMD option. No advice of any change in rate or conditions after opening of the tender will be entertained.
6. Each of the tender documents should be signed by the person or persons submitting the tender in token of his/their having acquainted himself/themselves with the General Conditions of the Contract, Scope of work, Specifications, Special Conditions, etc., as laid down. Any tender with any documents not so signed is liable to be rejected.
7. The tenders submitted on behalf of the Firm shall be signed by all the partners of the Firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract similarly in case of a company, only the person authorized by the articles of the company can sign. Otherwise the tender is liable to be rejected by the NIEPMD.
8. The list of technically qualified bidders will be published on the Notice Board of NIEPMD on the same day or after technical evaluation.
9. The financial bids of technically qualified bidders only will be opened same day or the time of opening will be intimated.
10. Tender shall remain open for acceptance by the NIEPMD for a **period of Three Months** from the date of opening the financial bid which may be extended by mutual agreement and the tenderers shall not cancel or withdraw the tender during this period/extended period
11. The order will be awarded to **lowest quoted bidder** for Supply, Installation, testing and commissioning of IP based CCTV Cameras and its accessories and data networking with AMC.
12. The Director, NIEPMD, reserves all rights to reject any tender including of those tenderers who fail to comply with the instructions without assigning any reason what so ever and does not bind itself to accept the lowest or any specific tender. The decision of Director, NIEPMD in this regard shall be final and binding
13. In case of any dispute arising with regards to this tender or its conclusion, the decision of the Director NIEPMD shall be final.

## **5. DEFINITION**

- a) The term Institute shall mean NIEPMD, Chennai.
- b) The term Bidder shall mean the bidder selected by the Institute for Supply, Installation, testing and commissioning of IP based CCTV Cameras and its accessories and data network with AMC for Security Surveillance System at NIEPMD Buildings and campus.

**6. Scope of work:**

Ministry of Social Justice and Empowerment, Government of India has entrusted NIEPMD to execute the procurement, Installation, testing and commissioning of IP based CCTV Cameras and its accessories with data network for Security Surveillance System.

NIEPMD is inviting sealed Tenders from reputed suppliers & Agencies with proven track record and with an annual turnover of not less than **One Crore** to supply, Installation, testing and commissioning of IP based CCTV Cameras and its accessories with data network for Security Surveillance.

**7. Project implementation**

The Project will be implemented in single phase. Covering NIEPMD main building (All floors different locations), old building, hostel area, Guest House, model school and the two entry gates of NIEPMD campus. Approximate requirement is as follows:-

- (a) CCTV Surveillance System with required accessories.
- (b) Data Networking including OFC & Cat6 cabling with required accessories required for CCTV Surveillance.

The items wise **specification** is given below

**(a)**

<b>Sl. No.</b>	<b>Item Description</b>	<b>Make / Model</b>	<b>Qty. Req.</b>
01	<b>Indoor IP PTZ POE</b> cameras with HD/1,280 x 960 H.264 PTZ Dome Network Camera with 18 x optical zoom or better , 1/3" MOS/ CMOS / CCD Sensor, WDR, Bidirectional Audio, SD card slot, Wall Mounted / Ceiling mount/ Housing . It Shall be UL Listed	Samsung, Sony, LG, Bosch, Panasonic, Honeywell, Pelco.	03 Nos.
02	<b>Outdoor IP PTZ POE</b> cameras with HD/1,280 x 960 H.264 PTZ Dome Network Camera with 36x optical zoom or better , 1/4" MOS/ CMOS/ CCD Sensor, WDR, Bidirectional Audio, SD card slot, Wall Mounted/ Ceiling mount. It Shall be UL Listed	--do--	05 Nos.
03	<b>Indoor Fixed Dome</b> camera with 1.3 Megapixel or above, Colour 1/3" fixed Dome POE camera, with HD/1,280 x 960 H.264 Resolution Camera with 2x Extra Zoom and minimum Illumination of 0.05 lx and wide angle of 104 degree view. It Shall be UL listed.	--do--	31 Nos.

04	HD / 1,280 x 960 H.264 <b>Network Camera</b> featuring Super Dynamic IR camera with 1/3 type sensor , User modes, Day/Night, BLC, DNR, WDR , SD card slot, POE, 3.1 mm ~ 10 mm, 3.2x (3.1-20 mm (equivalent)), 6.4x with Extra Optical Zoom (at VGA)), IP66rated housing and wall/pole mount bracket as per the required. Inbuilt Night vision with IR LEDs.	--do--	01 Nos.
05	HD/1.3 Megapixel or above /720P <b>Waterproof Mini Dome Camera</b> Equipped with IR LED Waterproof Dome Network Camera 2.8 mm / 3.6 mm / 6.0 mm fixed lens with POE enabled.	--do--	18 Nos.
06	HD/1.3 Megapixel or above /720P <b>Bullet Camera</b> Equipped with IR LED Waterproof Dome Network Camera 3.6 mm / 6.0 mm / 8.0 mm fixed lens fixed lens with POE enabled.	--do--	03 Nos.
07	<b>NVR 64</b> Channel with software With UL certificate OR <b>NAS</b> to fulfil the project requirement.	--do--	01 Nos.
08	Desktop Computer (64Bit) Core-i5 1TB HDD, 16GBRAM , VGA Cards of 2GB, OS Windows 8.1	HP	01
08	Installation & Commissioning Charges		

**(b)**

Sl. No.	Item Description	Make / Model	Qty. Req.
01	4-pair, Cat6 Solid copper , 23 AWG,UTP Cable (305 mtr. Roll), Meets ( ISO certified ,ETL tested 600 MHZ , with Cross (+) filler pair separator& FRPVC sheath)	Digilink / Systimax / AMP	Roll-13 (Each roll 305 Mtrs.)
02	Cat 6 UTP Jack- Exceed ANSI/TIA-568-C.2 and CENELECEN 50173 & ISO/IEC 11801 standards for Category 6/Class E component performance & Compatible to T568A,T568B wiring pattern, and UL-940V0 Rated Plastic & ROHS Compliant.	Digilink / Systimax / AMP	120 Nos.
03	Cat 6 UTP Patch Cord, 4-Pair with Cross (+) filler pair separator FRPVC sheath, with Factory Moulded & Same Colour boot, Non-plenum (CM rated)- 4 ft., Gray.	Digilink / Systimax / AMP	60 Nos.
04	Cat 6 UTP Patch Cord, 4-Pair with Cross (+) filler pair separator FRPVC sheath, with Factory Moulded & Same Colour boot, Non-plenum (CM rated)- 7 ft, Gray.	Digilink / Systimax / AMP	60 Nos.
05	Single Port face plate of size 3x3, with Back BOX Material should be ABS /UL94 V-0 with shutter of ABS UL94V-0 having spring shutter of stainless steel, Cover label of Acrylic UL94V-0.	Digilink	60 Nos.
06	Cat 6, 24-port Unloaded, 1U Modular Jack	Digilink / Systimax /	09 Nos.



	Panel with labels and clear label covers and rear cable manager-ISO certified ,ETL tested 600 MHZ	AMP	
07	Cat 6 SFTP Patch Cord, 4-Pair with Cross (+) filler pair separator FRPVC sheath, with Factory crimped& Same Colour boot, Non-plenum (CM rated)- 7 ft., Gray.	Digilink / Systimax / AMP	10 Nos.
08	OS2 -Low water Peak Fibre Cable 6F core Loose Tube ( Unitube ) CSTA SM with Corning SMF-28e+ Full Spectrum with Improved Microbend Performance Fibre core. With an operational temperature of -300C to+700C	Digilink / Systimax / AMP	3000 Mtr.
09	SC-SC / SC to LC SM Duplex - 3m Patch Cards with Corning SMF-28e+ Full Spectrum with Improved Microbend Performance Fibre core.	Digilink / Systimax / AMP	35 Nos.
10	6 Fibre SC-Style, Single mode, 19-inch Rack mount Patch Panel, 1U, is RoHS Compliant Aluminium Powder Coted Metal Box and Splice tray & Fire Retargeted Cable Spools. Fully Loaded with SC adapter Plates, Couplers with SC-Style Pigtails.	Digilink / Systimax / AMP	09 Nos.
11	24 Fibre SC-Style, Single mode, 19-inch Rack mount Patch Panel, 1U, is RoHS Compliant Aluminium Powder Coted Metal Box and Splice tray & Fire Retargeted Cable Spools. Fully Loaded with SC adapter Plates, Couplers with SC-Style Pigtails.	Digilink / Systimax / AMP	04 Nos.
12	6 Fibre SC-Style, Single mode, Compact LIU, RoHS Compliant Powder Coted Metal Box and Splice tray & Fire Retargeted Cable Spools. Fully Loaded with SC adapter Plates, Couplers with SC-Style Pigtails.	Digilink / Systimax / AMP	07 Nos.
13	Smart Rack 42U, 800/1000D with Front & Rear Perforated Door with handle lock, 1 Shelf 725mm, castors and mounting hardware packet of 20, RCC loops , PDU 14 sockets (1).	Digilink / Systimax / AMP	01 No.
14	FLEXIBOX 19", 6U/500MMD 1 SECN with front glass door cam lock, (1) PDU 6x5Aamp and 1.5meter feed cable and 3 pin plug, (1) shelf 255m, (1) Fan 203v 90 cfm, (1 )cable manager 1U pvc loops, Hardware pkt of 10 (Assembled)	Digilink / Systimax / AMP	09 Nos.
15	HDPE Pipe - 2" / 3"	Finolex/Equivalent	1500Mtr.
16	HDPE Pipe - 1"	Finolex/Equivalent	1500Mtr.
17	1 inch PVC pipe and channel	Finolex/Equivalent	1000Mtr.
18	Electrical wiring with Armoured Cable and cable laying in meters. Electrical Wire specification : 2.5 sq mm wire, 3 core, Armoured cable, Copper wire.	Finolex/Equivalent	1000Mtr.
19	Supply and Installation of weather proof box		20 Nos.

	for electrical wiring termination and to place Power supply adaptor for Camera's and to keep Stabilizer for power supply to Camera.		
20	55" LED DISPLAY Resolution : 1920 x 1080, High Contrast Ratio	Samsung / Sony/LG	02 Nos.
21	22"LCD DISPLAY Resolution : 1920*1080Contrast Ratio : 4000:1	Samsung / Sony/LG	01 Nos.
22	Laying of Armoured OFC Cable – (Single Mode/Multi mode)		3000 Mtr.
23	Digging & Refilling of 2 ft Depth of Soft / Hard soil for the laying of 6		
24	Core Outdoor Armoured OFC Cable. Road Cutting, Trenching and relaying on concrete / black top road for lying of 6 Core Outdoor Armoured OFC Cable.		
25	Fibre Splicing Charges.		100 Nos.
26	POLE for outdoor camera, Supply and Erection of Pole ( for Installation of Surveillance Camera ) includes, Pole charges and Civil works (15 Feet height, 4 inches dia, 3 feet will go under the ground out of it 2 feet will be covered with concrete pillar and balance 12 feet will remain outside)	Custom	07 Nos.
27	L2 - Smart switch 24 port POE switch -10/100 base T with 2 SFP port.	Avaya/Cisco	10 Nos.
28	L3 24 port Gigabit managed switch with min 12 SFP port and 12 -10/100/1000 Base T port.	Avaya/Cisco	01 Nos.
29	Single Mode Fibre transiver -1000 Base LX.		24 Nos.
30	Fibre to copper Media converter -100 Mbps - Industrial grade type.		16 Nos.

### **8. Objectives of the Project**

1. Live monitoring of activities in the various locations and other vulnerable places, from the point of view of crime prevention & detection, to check the activities of mischievous elements and overall security of the NIEPMD premises area from violence angle as well as check alertness of Guards/Personnel on duty and their locations.
2. If an event at any location necessitates, reinforcements, alert the remaining locations/areas.
3. To record the movements of vehicles and public at entrances.
4. Immediate incident detection and effective management of NIEPMD response.
5. Identification of disaster/emergencies and response thereon.
6. Effective monitoring of NIEPMD Model School.

### **9. Functional Requirement (Solution)**

1. As described in the requirement, the solution should be scalable.

2. The solution must offer a central location to record and three locations to view all the cameras i.e. Display with NVR, Director & Deputy Registrar office.
3. The solution must also give an option to view small group of cameras, important to individual department, to individually view it without disturbing the main recording or setup (if required by Director NIEPMD).
4. The solution should give option to record the video on different frame rates for individual camera at central location.
5. The recording or live view of the cameras should be available to authorize personal only.
6. Future possibility of coverage/adding additional locations/cameras, if required.
7. The recording resolution and frame rate for each camera shall be user programmable.
8. All the cameras should be provided with suitable surge suppressor against lighting in power, signal & video lines.
9. All the cameras and equipment meant for outdoor installations shall be suitable to work from 0°C to 60°C with relative humidity up to 95% non-condensing.
10. All the field cameras should have tilt & zoom facilities.
11. All camera recording shall have camera IDs & location of recording as well as date / time stamps and recording of real-time mode.
12. In order to optimize memory while recording, video shall be compressed using MPEG4 or better standard over the IP network. Once on the network, video can be viewed on a control room work station or on a monitor using a hardware decoder.
13. The system shall be triplex, i.e. it should provide facility of viewing, recording and replay simultaneously.
14. The bidder should propose most suitable, economical integrated system solutions and development of an effective network to provide 100% uptime for the entire links in a manner that operational data should not lost in case of failure of equipment or communication network and provision of suitable disaster recovery mechanism.
15. The functional requirement is only indicative, the system vendor shall quote latest system available at the time of submitting tender.

**10. Following are the designated places, NIEPMD wishes to install CCTV Facility.**

- (a) NIEPMD, Main building all floors.
- (b) Girls & Boys hostel.
- (c) Old Building.
- (d) Guest house.
- (e) Back side of main building starting from guest house.
- (f) Both entrance gates.
- (g) NIEPMD Model School (All Class rooms)
- (h) Diploma Class rooms 1<sup>st</sup> floor. (if required)
- (i) Any other area desired by NIEPMD authorities.

**11. Operational Guidelines of CCTV:**

- (a) The CCTV camera to be IP based.
- (b) Ensure that the products and solutions adhere to open standards i.e. ensure that there are no proprietary standards leading to locking of technology / solution.
- (c) Basic video management system functionality needed to view recorded video, perform forward and rewind function etc.
- (d) Video data to be stored for 30 days on the primary storage (NAS / Disk based storage).
- (e) In some cases if back up of data is considered essential, then it can be stored at alternate place one of DVD's or external had drives.
- (f) Power backup to be ensured for cameras.
- (g) For outdoor cameras, in open areas prone to heat, dust, rainfall, the specification are slightly different and also the casing is of better specification.
- (h) Integrated solution with cameras, storage and video management software with 2 years warranty and maintenance.
- (i) The Vendor shall not disclose any information provided to him by the Purchaser except to the extent required to execute the contract

**12. SPECIAL TERMS AND CONDITIONS**

**1. Bidder MUST visit the site of installation & Commissioning of the CCTV System and understand the nature & scope of the work and doubts of any nature and should be got clarified before quoting. He should also identify strategic locations to place the CCTV cameras so as to have maximum coverage of the work places and other locations which required to be monitored.**

2. Each bidder must attend the pre-bid meeting and put up his point of view; in case of valid suggestions it will be included in bid.

3. Requirement quoted above is approximate; it can be changed as per actual requirements (may increase/decreases).

**4. Rate should include charges for removal of debris out of premises, removing stains, cleaning the site thoroughly and restoring it to original condition where work is undertaken.**

5. Quoted rate should be workable and should include all overheads and profits.

6. Rate should include all taxes, duties, octopi, levies, Payment of wages as per Act, VAT etc. and should be firm for the entire contract period. No variation of rates will be allowed.

7. All components of the CCTV System supplied should confirm to the stipulations as in the relevant I.S. codes (Latest Edition) BIS specification shall be followed as applicable and should be UL certified. However, in the absence of the same the decision of Director NIEPMD will be final.

8. The tender is being called as an item rate tender to be quoted against the Bill of Quantity. However, all other materials as may be necessary for the satisfactory work completion are to be provided at no additional cost as deemed to have been covered under the scope of work/contract.

**9. All civil, electrical, carpentry work will be done by the contractor and this cost also to be included in the amount quoted.**

10. No advance payment will be made by the NIEPMD in any case.

11. Any discrepancy in settlement of bills may be brought to the notice of the NIEPMD within a period of one month after the settlement of the Bills. The NIEPMD will not entertain any claim regarding any dispute in settlement of the bills after the stipulated period.

12. The Contractor shall observe all the safety precautions for the safety of the labour and the employees of the NIEPMD during execution of works. He would be responsible for the safety of persons, employed by him.

13. The contractor shall be responsible for injury to persons or things and for damages to the property which may arise from omission or neglect of the contractor or their employees, whether such injury or damages arises from carelessness, accident or any other cause whatsoever, in any way connected with carrying out of the work.

14. All the conditions of the contract shall be binding on the Contractor.

15. The Contractor shall comply with all the applicable Acts, Rules, Regulations, requirement of Law (s) for entering into contract and the NIEPMD will not in any way be liable or responsible for any default/irregularities/penalties on the contractors part.

16. The contractor shall comply with the provisions of Contract, Labour Regulation & Abolition Act, 1970, Minimum Wages Act and all other labour laws and other Statutory Regulations (both Central and States) that may be enforced from time to time by the appropriate authorities. The NIEPMD shall not be held responsible for any penalty on account of failure to adhere to the above labour regulations, etc. The contractor should be responsible to fulfill all the obligations in connection with the workers employed by the contractor for the purpose of the contract and all the Statutory and other liabilities if any including minimum wages, leave salary, uniform, ex-gratia, gratuity, ESI, Provident Fund, Workman Compensation, if any, etc. in connection therewith shall be on the contractor account and payable by the concerned contractor.

17. The contractor should obtain necessary permission that may be required for the purpose of this contract from such authorities as may be prescribed by law from time to time.

18. The contractor shall be fully responsible and shall compensate the NIEPMD in the event of any damage to men or material, injury/damage or death as the case may be, caused directly or indirectly due to the negligence of the contractor or his agents and / or his employees or workmen.

19. The contractor should not employ any person who is prohibited by law from being employed for fulfilling obligations under this contract.

20. Any act of indiscipline / misconduct/ theft/ pilferage on the part of any employee engaged by the contractor resulting in any loss to the NIEPMD in kind or cash will be viewed seriously and the NIEPMD will have the right to levy damages or fine and / or even terminate the contract forthwith.

21. In case of any default or failure on your part to comply with all/ anyone of the terms/ conditions, the NIEPMD reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amounts from dues otherwise payable to you and/or by taking recourse to appropriate recovery proceedings.

22. The contractor should not at any time do, cause or permit any nuisance on the site/do anything which shall cause unnecessary disturbances or inconvenience to the occupants/ visitors at site or near the site of work.

23. On site, lockable storage space will be given as per availability, the security of which will be the responsibility of the contractor's. The NIEPMD will not be responsible for contractor's materials. The contractor may be required to vacate the storage space as per exigency without any extra cost.

24. The contractor shall not directly or indirectly transfer, assign or sublet the contract or any part of it.

25. **Payment terms & conditions**: All the payments for work relating to said work would be made after satisfactory completion/commissioning of work, subject to work being executed in accordance with this Contract and scrutiny by Director NIEPMD, Chennai and submission of bill along with measurement sheets. **10% of the quoted amount will be kept as performance security and will be returned to the party at the end of the warranty period.** The warranty period will be a minimum of Two year from the date of handing over the system to the NIEPMD. This retention amount shall be forfeited in the event of the contractor not fulfilling his obligations towards rectification of defects, if any. EMD deposited by the successful vendor shall be adjusted towards security deposit. No interest on security deposit will be applicable.

26. The CCTV System after successful commissioning and testing will be duly handed over to the NIEPMD after which the work completion certificate will be issued.

27. The NIEPMD reserves the right to check the progress of the work and adherence to the technical Specifications etc. any time during the installation phase.

28. The agreement may be terminated by the NIEPMD in case the Party does not adhere to the terms of contract.

29) All payments by the NIEPMD under this contract will be made only at NIEPMD, Chennai by an account payee Cheque or NIEFT / RTGS after satisfactory completion of work and submission of bill(s) therefore.

30) All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at Chennai and Courts in Chennai only shall have jurisdiction to determine the same.

31) The exact location and other details can be ascertained by visiting the site. Location/site/number of equipment, length, of cables etc. can be altered on the spot, as per requirement on the direction of the Director NIEPMD other details are given in the Bill of Quantities.

### **13. Warranty & Comprehensive Maintenance**

1. The complete system shall be **under two year warranty**, after successful testing, commissioning & handing over to NIEPMD and defect free maintenance during the period. After the end of the warranty period, it will be **mandatory** on the part of the contractor to enter into a **5 year Comprehensive Annual Maintenance Contract** with NIEPMD.

2. During this 6 years period, contractor has to undertake preventive maintenance & break down maintenance, if any. Contractor shall ensure the availability of spares during AMC period..

3. Contractor shall make necessary arrangements for keeping the sufficient spares at site to minimize the down time.

**4. Training to be given to NIEPMD staff for operation & maintenance, troubleshooting, user level training pertaining to system after successful commissioning.**

### **14. For Commercial Bid**

**Note: The cost shall include**

1. Supply, installation and commissioning of CCTV cameras with appropriate cabling work with material.

2. Number of locations and number of CCTV cameras likely to be increased or decreased without assigning any reason.

3. Payment will be calculated on the basis of actual work done in term of no. of cameras including required hardware and software.

4. The CCTV cameras to be IP based.

### **15. Commercial Aspects**

a) Penalty for downtime

The NIEPMD authorities may make a complaint about the equipment/service through letter, fax, e-mail, phone, SMS or any other means as the Director, NIEPMD thinks fit or convenient.

On receiving complaint about equipment/service, the vendor will respond and



Repair / replace or provide required services within 24 hours, if failed, penalty shall be levied Rs. 500/- per day.

**16. Time Frame:-**

The vendor should ensure the completion of the work within 90 days from the date of awarding of the contract.

**NOTE – If L1 is unable to complete this project in 90 days, OR if L1 fails to successfully carry out the work, then L2 will be requested to match L1 rates and carry out the work and so on.**

**17. Force majeure:**

If either of the parties suffer delay in due execution of their contractual obligation due to the operation of one or more of the force majeure events such as but not limited to, natural disaster, War, earthquake, strikes, Lockouts, fire, epidemics, riots, uncontrollable events, civil commotions etc. the agreed time for the completion of respective obligations shall be extended by a period of the time equal to the period of the delay occasioned by such events. On the occurrence and cessation of any such event, the party affected thereby shall give notice in writing to the other party. Such notices to be given within 15 days of occurrence/cessation of the event concerned. If the force majeure conditions continue beyond 30 days the parties shall mutually decide about the future course of action.

**18. Liquidated Damages**

In case of delay in completion of the contract, liquidated damages (L.D.) shall be levied @ 1% of the full value of uncompleted portion of work per week (part of week to be treated as one week) subject to a maximum of 10% of total contract value. If the uncompleted work, restricts the operation of complete system then LD shall be applicable to total value of contract with approval of Competent Authority.

**Contract has following activities:**

- a) Supply of equipment's.
- b) Creating data network
- c) Installation, Integration and Site Acceptance Testing.
- d) Onsite training.

Delay in any stage of work shall invite Liquidated Damages (LD) according to value of the activity as defined above. LD shall be calculated on per system basis and it shall not be linked with the value of complete supply.

**NATIONAL INSTITUTE FOR EMPOWERMENT OF PERSONS  
WITH MULTIPLE DISABILITIES (NIEPMD)**

(Department of Disability Affairs, Ministry of Social Justice & Empowerment, Govt. of India)

East coast Road, Muttukadu, Kovalam(post) Chennai-603 112

[Tel:044-27472113,27472046](tel:044-27472113,27472046) Fax:044-27472389

[www.niepmd.tn.nic.in](http://www.niepmd.tn.nic.in) Email:niepmd@mail.com

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**TECHNICAL BID**

(To be enclosed in separate sealed cover)

Name and address of the bidder:

Note: A DD for Rs.120, 000/-(EMD) should be enclosed with this bid.

1. Name of the bidder
  - a) Full postal address
  - b) Full address of the premises
  - c) Telegraphic address
  - d) Telex number
  - e) Telephone number
  - f) Fax number
2. Monthly supply capacity of goods quoted for
  - a) Normal
  - b) Maximum
3. Total annual turn-over(value in Rupees)(Previous year)  
( Copy of Balance Sheet / Audit Statement / IT returns, etc. to be attached as proof)
4. Past supply details for 3 years (Attach proof)
5. Whether similar job work undertaken in the past, if so details.  
(Samples to be displayed if required)

Customer	Quantity supplied	Year
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6. Have you worked with NIEPMD earlier? If yes, please give details of the work done.

Signature and seal of the bidder

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**FINANCIAL BID**

(To be enclosed in separate sealed cover)

Sl. No	Item Description	Make / Model	Qty. Req.	Cost per unit	Total	Taxes applicable	Any other	Total
01	<b>Indoor IP PTZ POE</b> cameras with HD/1,280 x 960 H.264 PTZ Dome Network Camera with 18 x optical zoom or better , 1/3" MOS/ CMOS / CCD Sensor, WDR, Bidirectional Audio, SD card slot, Wall Mounted / Ceiling mount/ Housing . It Shall be UL Listed	Samsung, Sony, LG, Bosch, Panasonic, Honeywell, Pelco.	03 Nos.					
02	<b>Outdoor IP PTZ POE</b> cameras with HD/1,280 x 960 H.264 PTZ Dome Network Camera with 36x optical zoom or better , 1/4" MOS/ CMOS/ CCD Sensor, WDR, Bidirectional Audio, SD card slot, Wall Mounted/ Ceiling mount. It Shall be UL Listed	--do--	05 Nos.					
03	<b>Indoor Fixed Dome</b> camera with 1.3 Megapixel or above, Colour 1/3" fixed Dome POE camera, with HD/1,280 x 960 H.264 Resolution Camera with 2x Extra Zoom and minimum Illumination of 0.05 lx and wide angle of 104 degree view. It Shall be UL listed.	--do--	31 Nos.					
04	HD / 1,280 x 960 H.264 <b>Network Camera</b> featuring Super Dynamic IR camera with 1/3 type sensor , User modes, Day/Night, BLC, DNR, WDR , SD card slot, POE, 3.1	--do--	01 Nos.					

	mm ~ 10 mm, 3.2x (3.1-20 mm (equivalent), 6.4x with Extra Optical Zoom (at VGA)), IP66rated housing and wall/pole mount bracket as per the required. Inbuilt Night vision with IR LEDs.							
05	HD/1.3 Megapixel or above /720P <b>Waterproof Mini Dome Camera</b> Equipped with IR LED Waterproof Dome Network Camera 2.8 mm / 3.6 mm / 6.0 mm fixed lens with POE enabled.	--do--	18 Nos.					
06	HD/1.3 Megapixel or above /720P <b>Bullet Camera</b> Equipped with IR LED Waterproof Dome Network Camera 3.6 mm / 6.0 mm / 8.0 mm fixed lens fixed lens with POE enabled.	--do--	03 Nos.					
07	<b>NVR 64</b> Channel with software With UL certificate OR <b>NAS</b> with Storage capacity of minimum 30 days recording	--do--	01 Nos.					
08	Desktop Computer (64Bit) Core-i5 1TB HDD, 16GBRAM , VGA Cards of 2GB, OS Windows 8.1	HP	01					
09	Installation & Commissioning Charges							
10	4-pair, Cat6 Solid copper , 23 AWG,UTP Cable (305 mtr. Roll), Meets ( ISO certified ,ETL tested 600 MHZ , with Cross (+) filler pair separator& FRPVC sheath)	Digilink / Systemax / AMP	Roll-13 (Each roll 305 Mtrs.)					
11	Cat 6 UTP Jack- Exceed ANSI/TIA-568-C.2 and CENELECEN 50173 & ISO/IEC 11801 standards for Category 6/Class E component performance & Compatible to T568A, T568B wiring pattern, and UL-940V0 Rated Plastic & ROHS Compliant.	Digilink / Systemax / AMP	120 Nos.					
12	Cat 6 UTP Patch Cord, 4-Pair with Cross (+) filler pair separator FRPVC sheath, with Factory Moulded & Same Colour boot, Non-	Digilink / Systemax / AMP	60 Nos.					

	plenum (CM rated)- 4 ft., Gray.							
13	Cat 6 UTP Patch Cord, 4-Pair with Cross (+) filler pair separator FRPVC sheath, with Factory Moulded & Same Colour boot, Non-plenum (CM rated)- 7 ft, Gray.	Digilink / Systimax / AMP	60 Nos.					
14	Single Port face plate of size 3x3, with Back BOX Material should be ABS /UL94 V-0 with shutter of ABS UL94V-0 having spring shutter of stainless steel, Cover label of Acrylic UL94V-0.	Digilink / Systimax / AMP	60 Nos.					
15	Cat 6, 24-port Unloaded, 1U Modular Jack Panel with labels and clear label covers and rear cable manager-ISO certified ,ETL tested 600 MHZ	Digilink / Systimax / AMP	09 Nos.					
16	Cat 6 SFTP Patch Cord, 4-Pair with Cross (+) filler pair separator FRPVC sheath, with Factory crimped& Same Colour boot, Non-plenum (CM rated)- 7 ft., Gray.	Digilink / Systimax / AMP	10 Nos.					
17	OS2 -Low water Peak Fiber Cable 6F core Loose Tube ( Unitube ) CSTA SM with Corning SMF-28e+ Full Spectrum with Improved Microbend Performance Fiber core. With an operational temperature of - 300C to+700C	Digilink / Systimax / AMP	3000 Mtr.					
18	SC-SC / SC to LC SM Duplex - 3m Patch Cards with Corning SMF-28e+ Full Spectrum with Improved Microbend Performance Fibre core.	Digilink / Systimax / AMP	35 Nos.					
19	6 Fiber SC-Style, Singlemode, 19-inch Rack mount Patch Panel, 1U, is RoHS Compliant Aluminium Powder Coted Metal Box and Splice tray & Fire Retargeted Cable Spools. Fully Loaded with SC adapter Plates, Couplers with SC-Style Pigtails.	Digilink / Systimax / AMP	09 Nos.					
20	24 Fibre SC-Style, Single mode, 19-inch Rack mount Patch Panel, 1U, is RoHS	Digilink / Systimax /	04 Nos.					

	Compliant Aluminium Powder Coted Metal Box and Splice tray & Fire Retargeted Cable Spools. Fully Loaded with SC adapter Plates,Couplers with SC-Style Pigtails.	AMP						
21	6 Fibre SC-Style, Singlemode, Compact LIU, RoHS Compliant Powder Coted Metal Box and Splice tray & Fire Retargeted Cable Spools. Fully Loaded with SC adapter Plates,Couplers with SC-Style Pigtails.	Digilink / Systimax / AMP	07 Nos.					
22	Smart Rack 42U, 800/1000D with Front & Rear Perforated Door with handle lock, 1 Shelf 725mm, castors and mounting hardware packet of 20, RCC loops , PDU 14 sockets (1).	Digilink / Systimax / AMP	01 No.					
23	FLEXIBOX 19", 6U/500MMD 1 SECN with front glass door cam lock, (1) PDU 6x5Aamp and 1.5meter feed cable and 3 pin plug, (1) shelf 255m, (1) Fan 203v 90 cfm, (1 )cable manager 1U pvc loops, Hardware pkt of 10 (Assembled)	Digilink / Systimax / AMP	09 Nos.					
24	HDPE Pipe - 2" / 3"	Finolex/Equivalent	1500 Mtr.					
25	HDPE Pipe - 1"	Finolex/Equivalent	1500 Mtr.					
26	1 inch PVC pipe and channel	Finolex/Equivalent	1000 Mtr.					
27	Electrical wiring with Armoured Cable and cable laying in meters. Electrical Wire specification : 2.5 sq mm wire, 3 core, Armoured cable, Copper wire.	Finolex/Equivalent	1000 Mtr.					
28	Supply and Installation of weather proof box for electrical wiring termination and to place Power supply adaptor for Camera's and to keep Stabilizer for power supply to Camera.		20 Nos.					
29	55" LED DISPLAY Resolution : 1920 x	Samsung /	02					

	1080, High Contrast Ratio	Sony/LG	Nos.					
30	22"LCD DISPLAY Resolution : 1920*1080Contrast Ratio : 4000:1	Samsung / Sony/LG	01 Nos.					
31	Laying of Armoured OFC Cable – (Single Mode/Multi mode) Digging & Refilling of 2 ft Depth of Soft / Hard soil for the laying of 6 Core Outdoor Armoured OFC Cable. Road Cutting, Trenching and relaying on concrete / black top road for lying of 6 Core Outdoor Armoured OFC Cable.		3000 Mtr. .					
32	Fibre Splicing Charges.		100 Nos.					
33	POLE for outdoor camera, Supply and Erection of Pole ( for Installation of Surveillance Camera ) includes, Pole charges and Civil works (15 Feet height, 4 inches dia, 3 feet will go under the ground out of it 2 feet will be covered with concrete pillar and balance 12 feet will remain outside)	Custom	07 Nos.					
34	L2 - Smart switch 24 port POE switch - 10/100 base T with 2 SFP port.	Avaya/Cisco	10 Nos.					
35	L3 24 port Gigabit managed switch with min 12 SFP port and 12 -10/100/1000 Base T port.	Avaya/Cisco	01 Nos.					
36	Single Mode Fibre transiver -1000 Base LX.		24 Nos.					
37	Fibre to copper Media converter -100 Mbps - Industrial grade type.		16 Nos.					
38	RJ 45- Connectors/screws/clamps and other Accessories	--	Lump sum					
39	Light guide Interconnect unit (LIU)	Digilink	Lump sum					
40	5KVA online UPS with 120 min backup	APC	01Nos.					
41	Power Distribution Box, Circuit Breakers, Socket Strip etc.	--	Lump sum					
42	AMC Charge for 1 <sup>st</sup> Year							
43	AMC Charge for 2 <sup>nd</sup> Year							

44	AMC Charge for 3 <sup>rd</sup> Year							
45	AMC Charge for 4 <sup>th</sup> Year							
46	AMC Charge for 5 <sup>th</sup> Year							
	<b>Total Amount</b>							

**Note :** Payment for OFC Cable, Cat6 Cable, Power Cable, Earthling Cable, PVC Pipe will be made as per actual. Any additional suggestion will be discussed is Pre-bid meeting, the same will be included in the bid.

**Signature and seal of the bidder**



**PROFORMA FOR SUBMITTING ELIGIBILITY  
REQUIREMENT AND UNDERTAKING**

To  
The Director,  
NIEPMD, ECR  
Chennai-603 112

**Sub: Submission of Tender for “Supply, Installation, Testing & Commissioning (SITC) of CCTV System with data networking including AMC”**

Sir / Madam,

Having examined the conditions of contract and specifications including addenda, I/we, the undersigned, offer to undertake Supply, Installation, Testing & Commissioning including AMC & data networking of CCTV System at NIEPMD, Chennai, in conformity with the specifications, terms & conditions of Tender.

i. I/We agree to abide by the terms and provisions of the said conditions of the contract and provisions contained in the notice inviting tender. I/We hereby unconditionally accept(s) the tender conditions of NIEPMD tender documents in its entirety for the above work. It is certified that I/we have not stipulated any condition(s) in our tender offer. In case any condition(s) are found in our tender offer violated after opening tender, I/We agree that the tender shall be rejected and NIEPMD shall without prejudice to any other right or remedy be at liberty to forfeit the EMD absolutely.

ii. I/We hereby submit the earnest money of [INR.....] for the Tender for the above mentioned work in the form of demand draft.

iii. That, I/We declare that I/we have not paid and shall not pay any bribe to any officer of NIEPMD for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of NIEPMD asks for bribe/gratification, I shall immediately report it to the NIEPMD authorities.

iv. That, I/We undertake that NIEPMD’s tender document shall form part of contract agreement.

We understand that you are not bound to accept the lowest or any bid, you shall receive.

Thanking you

Yours faithfully

Dated:

Signature of Bidder

Name: .....

Telephone:.....

Witness.....

Signature.....

Address.....

Enclosures