

Record notes of Pre-bid Meeting held at SMT on 17th May'2019

Job: DESIGN & ENGINEERING, SUPPLY, ERECTION & COMMISSIONING AND POST WARRANTEE MAINTENANCE (COMPREHENSIVE) OF INTEGRATED CCTV SURVEILLANCE SYSTEM FOR RAIL GANTRY OF SMT ON LSTK BASIS.

Tender No: OC13000193 dtd. 07.05.2019

Points Discussed

Party Name: M/s Laraon Engineers & Consultants Pvt. Ltd.

- Make of camera to be mentioned

NRL Clarified: Recommended make of Camera system (including housing/ enclosure/ ptz/ video encoder): Pelco, Honeywell, BOSCH, Axis. Same will be incorporated and detailed in the corrigendum in SSC of tender document.

- Resolution of camera to be mentioned

NRL Clarified: Camera shall be of 2megapixel@15fps (or more) with H.264/MPEG-4 or better compression technique.

- Degree of protection should be IP68

NRL Clarified: Degree of protection will be same as mentioned in the tender document(SSC page 6 of 18). However, bidder can supply with higher degree of protection.

- System should have higher space(storage) for RAID 5.

NRL Clarified: As per tender specification. Permannat storage will be at NAS and temporary continuos storage with for 72 hrs will be at server. RAID will be available both for server and NAS.

- UPS of 3kbps is required.

NRL Clarified: NRL will provide UPS power from existing facility.

- Megapixel of the camera to be mentioned.

NRL Clarified: Camera shall be of 2megapixel@15fps (or more) with H.264/MPEG-4 or better compression technique.

- Surge protection should be available.

NRL Clarified: Surge protection for signal cable has to be provided by the bidders for the whole system. For panel and instrument earthing, facility for connecting in existing instrument earthing grid will be provided by NRL.

M/s Transvirtual Pvt. Ltd.

- Video recorders shall be able to record more than 72 hours without reloading.

NRL Clarified: All the continuous recordings shall remain in server for 72 hours and then transferred to NAS for minimum 90 days. After that magnetic tap is to be provided by bidder to keep the recording.

- System should have higher storages.

NRL Clarified: As mentioned above.

- Apart from NAS/NVR is another backup server is required with high density magnetic storage.

NRL Clarified: Redundant NAS has to be provided by bidder. NAS specification is mentioned in tender. After 90 days, recording is to be transferred to magnetic tap as mentioned in tender.

- Detecting flames and dense vapor cloud: Is this capability required only in software or it can be in the camera or combination of camera and software.

NRL Clarified: Either one.

M/s Security Engineers Pvt. Ltd.

- EMD in case of NSIC

NRL Clarified: As, the tender is work contract, therefore EMD is applicable as mentioned in the tender document(point no.2 of part 1: unpriced bid)

- EMD submission though draft or online

NRL Clarified: EMD will have to be submitted in the online portal link <http://easypay.axisbank.co.in/nrl> as mentioned in the tender document(point no. 9 of part1: unpriced bid)

- Registration no. in Annexure-IX

NRL Clarified: Annexure-IX is a standard document.

M/s Godrej and Boyce Mfg. Co. Ltd.

- With Interface scanning system a moving object may appear distorted because its combine two field to generate a picture. So for video

surveillance Progressive scanning more suitable. So request you to please change scanning system as a "progressive scanning".

NRL Clarified: Scanning system will be 2:1 interface as mentioned in SSC, page 6 of 18.

- Request you to please also allow focus mode auto/semiautomatic/manual
NRL Clarified: Focus mode will be Auto/focus /one shot as mentioned in SSC, page 6 of 18

- Reginal focus is also equivalent to EIS since it is help to get clear image so request you to also allow reginal focus.

NRL Clarified: Electronic stabilization will remain as mentioned in SSC, page 6 of 18.

- Network switch specifications are not mentioned in the tender. Also please confirm us what will be port density for switches.

NRL Clarified: Network switch recommended make will be moxa, belden, hiechmann, cisco. Same will be incorporated and detailed in the corrigendum in SSC of tender document.

- As per general specifications failover required in VMS but as per BOQ server qty is only 1 nos instead of 2 nos(page no.3, point no. 3.5 b). Please clarify.

NRL Clarified: Redundant NAS has to be provided.

- As per general specifications 72 hours recording mentioned but at which resolution, FPS, compression standard not mentioned(page no.2, point no. 3.4b). Please provide the standards for storage calculations.

NRL Clarified: As mentioned above.

- NAS specifications are not given as per industry standard. Also there is confusion regarding storage, is it a specific requirement of NAS or NVR? Please clarify whether Server+NAS or NVR is required.

NRL Clarified: Server+NAS.

- Type of video analytics feature not mentioned. Kindly clarify.

NRL Clarified: Video analytics feature will be as mentioned in the SSC, page no. 12 of 18.

In addition to the above 4 bidders present at pre-bid meeting, the below mentioned bidder has sent pre-bid queries vide e- mail.

M/s Neural Integrated Systems Pvt. Ltd.

- Camera Mounting Pole specs are not defined, please confirm the height & specification of Pole and suggest where to include the same for quoting.

NRL Clarified: Pole of Minimum 3m height, CS. It is included in the Exp PTZ camera with accessories(BOM, sl. No.10).

- None of the OEM have 36X optical ZOOM in HD Exproof PTZ camera, request you to kindly amend the same to 30 X as per industry standard.

NRL Clarified: Zoom(minimum) will be Optical: 20C, Digital:10X.

Same will be incorporated in the addendum of tender document.

- PAN/Tilt speed is not defined in the tender, request you to specify the PAN/Tilt speed so that target is not missed while camera movement. Industry Standard is 100-150 Degree per sec.

NRL Clarified: It will be as per vendor specified.

- Please confirm the switch type for control room i.e Industrial or Commercial.

NRL Clarified: Network switch(industrial type) recommended make will be SIXNET, Cisco, MOXA, Ruggedcom, Allied Telesis, Garrettcom. Same will be incorporated and detailed in the corrigendum in SSC of tender document.

- Request you to kindly consider below payment terms as per industry Standard:

Supply : 90% against the receipt of material at site.

Balance 10 % against equivalent PBG or after installation & commissioning.

Service : 100% after successful installation & Commissioning.

NRL Clarified: Payment terms will be as mentioned in the Tender document(Part1: unpriced bid, point no. 15)

- Please share Recommended Make List.

NRL Clarified: Recommended make list will be incorporated corrigendum in the tender.

- Request to kindly accept Bank Guarantee for EMD.

NRL Clarified: Payment for EMD will be as mentioned in the tender. No change in mode of payment.

- Spares are not part of priced BOQ, please suggest where to quote Spares.

NRL Clarified: Though Spares are not part of priced BOQ, bidder has to mention all the spares with prices valid for a minimum period of 5 years with proper justification. To be submitted in un-priced bid. It will not be considered in bid evaluation. However, if required, price justification has to be submitted.

- As per our understanding, Fire detection is required here. However Analytics are only sued with fixed camera as Video Management Software detects the changes in the frames, as PTZ cameras are asked in this tender, request you to kindly remove this clause or if this is to be used then camera shall be used as fixed camera, Please confirm.

NRL Clarified: Software should have facility to detect flames and dense vapor cloud.

- Please confirm if Road cutting or digging is to be considered for cable laying, if yes please suggest minimum benchmark quantity for even competition at the bidding stage.

NRL Clarified: Please visit site.

- Please confirm if cable tray is to be considered for cable laying, if yes please suggest minimum benchmark quantity for even competition at the bidding stage.

NRL Clarified: Please visit site.

- **As requested by parties list of recommended make is mentioned below:**

RECOMMENDED MAKE:

- Camera system (including housing/ enclosure/ ptz/ video encoder): Pelco, Honeywell, BOSCH, Axis.
- Network Video Recording System)/ Management Server System: HP, DELL, IBM and manufacturer of offered camera.
- Workstations (Desk Top PC (workstation grade)): HP, DELL, IBM and manufacturer of offered camera.
- Monitors for workstation: LG, Samsung, Sony and

manufacturer of offered camera/ Workstation.

- Dedicated CCTV control keyboard: Manufacturer of offered camera OEM.
- Wired networking items (Active) (Network Switch, Media converter/ SFP module etc.): SIXNET, Cisco, MOXA, Ruggedcom, Allied Telesis, Garrettcom.
- Signal/ Power cables (Armoured, Cu conductor): Associated Cables, Associated Flexibles and Wires, NICCO Corp, Universal Cable, Cords cable industries, Thermopad, Brookes Cables, Elkay Telelink, Cable Corporation of India, Thermo Cables Ltd.
- Fiber optic cable and passive Networking components/ accessories (Patch cable system/LIU, Fiber patch cords, Fiber Pig Tails, Fusion Splice Kit, Adaptor Plates, LAN cable (CAT5/6, RJ45 connector etc.): Universal cables Ltd., Systimax, Tyco, Finolex, Molex, ABB, D-Link, Allied Telesis, Digilink, Sterlite, Neolex, Delton.
- Rack/ wall mounted enclosure: APC, Belkin, Chatsworth, Great Lakes, Kendall, Liebert, Rittal, Rackit, SharkRack, Valrack, President or Server manufacturer (HP/IBM/Dell).
- Junction box/ field panel: Baliga Lighting and Eqpmt, FCG Flame Proof Control Gears, Flame Proof Eqpmt, Flexpro, Ex-Protecta, RITTAL, HOFFMAN, P+F, Eldon and manufacturer of offered camera.

Note: Items of other make is also acceptable subject to clearance from EIC and having PTR(proven performance track record) of operating successfully in any refinery of India for the period of six months. Accordingly bidder shall submit from end user for this requirement.

In addition to the amendments mentioned above for incorporation in the tender, NRL appraised the below mentioned additional points will also be incorporated in next corrigendum of tender(SSC):

- OEM of the camera system and housing shall be same and also shall be OEM assembled.
- Camera system: Open connectivity ONVIF(profile S) compliant & ready(with SDK etc.)(equipt & licensed)
- Camera shall be equipt with wiper system.
- License: All License required in this whole system shall has to activated to NRL usage for un-limited period.

Tender Page	Previous sprecification	New specification
SSC, 6 of 18	Construction: Stainless steel	This should be read as SS316L
SSC, 6 of 18	Zoom: Optical 36X; Digital: 12X	Zoom: Minimum Optical 20X; Digital: 10X
SSC, 12 of 18	Graphics: Integrated with minimum 8MB video memory	Graphics: Integrated with minimum 4GB video memory

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Tender No: OC13000193 dtd. 07th May 2019

Members Present in Pre-Bid Meeting held at SMT, NRL Site on 17th May'2019

<u>For NRL</u>	
1. M. Borah, SM (SMT)	1. For M/s LARADN Engineers & Consultants Pvt. Ltd. AVINASH KUMAR Mobile no- 9873099173 Email ID - Project2@Laraon.Com
2. M. Sonowal, Mgr (SMT) 17/05/2019	2. For M/s TRANSVIRTUAL PVT LTD BIKASH BORA Mobile no - 8638719372 Email ID - bikashbora@transv.net
3. N. Baruah, AM (SMT) 17/05/2019	3. For M/s GODREJ AND BOYCE MFG. Co. LTD. PRADIPTA BANERJEE Mobile - 9674372626 Email - pradipta@godrej.com.
4. M. DHINGRA, GET (SMT) 17/05/19	4. For M/s Subrata Ghosh 9674739983 m/s SEP2 17/5/19