

ज्ञापांक 03/452175 / आपूर्ति

70-1-2-2018

पुलिस महानिदेशक का कार्यालय, बिहार, पटना

पटना, दिनांक-03/01/2020

सेवा में,

निदेशक,

सूचना एवं जनसम्पर्क विभाग,

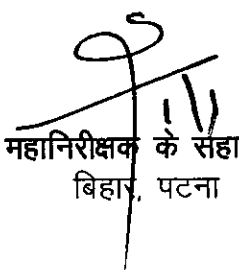
बिहार, पटना।

विषय— अल्पकालीन निविदा आमंत्रण सूचना सं०-39/2019-20 के प्रकाशन के संबंध में।

निदेशानुसार उपर्युक्त विषय के संबंध में अल्पकालीन निविदा आमंत्रण सूचना सं०-39/2019-20 की प्रतियाँ भेजते हुए अनुरोध है कि इसे राज्य एवं राज्य से बाहर के प्रमुख समाचार पत्रों में (अंग्रेजी एवं हिन्दी) के अगले दो संस्करणों में प्रकाशित कराने की कृपा की जाय साथ ही पी०आर०डी० वेबसाइट पर भी प्रसारित करने की कृपा की जाय।

इस निविदा आमंत्रण सूचना का प्रकाशन किन-किन समाचार पत्रों में किया गया इसकी सूचना देने की कृपा की जाय।

अनु०—यथोपरि।


पुलिस महानिरीक्षक के सहायक (क्यू०),
बिहार, पटना

प्रतिलिपि:—

1. आई०टी० मैनेजर, पुलिस महानिदेशक का कार्यालय, बिहार, पटना को कृपया सूचनार्थ। कृपया इसे आज ही वेबसाइट पर अपलोड किया जाय। साथ ही Indian Trade Journal, Kolkata के अंक में प्रकाशन हेतु Government of India, the Controller of Publications, Civil Lines, Delhi : 110 054, (Tel No. 011-23812527, FAX : 011-23817846), Email Id-sk.mondal.dgcis@nic.in के पतेपर भी अनिवार्य रूप से भेजा जाय।
2. Government of India, the Controller of Publications, Civil Lines, Delhi : 110 054, (Tel No. 011-23812527, FAX : 011-23817846), Email Id- sk.mondal.dgcis@nic.in को कृपया सूचनार्थ एवं आवश्यक क्रियार्थ प्रेषित। अनुरोध है कि उक्त निविदा का प्रकाशन Indian Trade Journal, Kolkata के अंक में करने की कृपा की जाय।

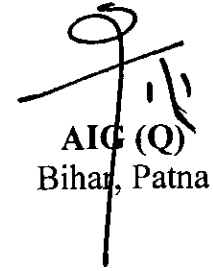

पुलिस महानिरीक्षक के सहायक (क्यू०),
बिहार, पटना

Police Headquarters, Bihar, Patna
Notice Inviting Short Tender No.-39/2019-20

1. Name of the Department: Office of Director General of Police, Bihar, Patna.
2. Last date & time for the acceptance of the short tender : 15/01/2020, Till 02:00 PM
3. Date & time fixed for the opening of the short tender : 15/01/2020, At 04:00 PM
4. Place fixed for receiving & opening the tender : Office of Director General of Police, Bihar, Patna.
5. Details of Job:

S.N.	Item name	Quantity
1	3D Laser Scanner	01

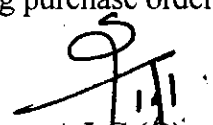
Specifications and other terms & conditions of the tender may be obtained in person from this office or may be downloaded from the website www.prdbihar.gov.in or www.biharpolice.bih.nic.in.


AIG (Q)
Bihar, Patna

Terms & Conditions of Short Tender No.-39/2019-20

1. The tender should be submitted in two parts: (i) Technical Bid and (ii) Financial Bid, duly sealed in two separate envelopes super-scribed as "Technical Bid" and "Financial Bid".
2. All relevant papers/ E.M.D./certificates/specifications etc. of items should be enclosed in the Technical Bid.
3. The rates of the items shall be quoted in the Financial Bid only.
4. All charges like IGST/CGST/SGST etc. shall be clearly mentioned in the Financial Bid and the net rate (in figures and words) including all taxes and duties must also be quoted. Vague offers like indicating taxes "as applicable" will not be accepted.
5. The rates of the items shall be quoted in the Financial Bid in two parts :
(i) With AMC (Annual Maintenance Contract) and (ii) Without AMC
6. There should be no cutting, over writing or correction on the rates.
7. The technical and financial bids for each item should be submitted separately in separate envelopes. The technical and financial bids for more than one items submitted together in the same envelope shall not be accepted.
8. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
9. The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked Short Tender No-39/2019-20 (Technical Bid) and Short Tender No-39/2019-20 (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the technical and the financial bids should be sent in another sealed envelope which should be marked as Short Tender No-39/2019-20. **This envelope should not bear the name and address of the firm.**
10. Income Tax Returns of last three years, a photocopy of GST registration number of the participating firm and turn-over of any two of the previous three financial years should be submitted with the technical bid. It should be specifically mentioned whether IT return has been filed manually or electronically.
11. The turnover of the firm for the last reported financial year should be at least equal to the amount of the supply order which is being issued. A copy of the profit and loss Account of the firm for any two of the previous three financial years, certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorized dealer or authorized supplier of manufacturing firm, then the certified details of the turnover of authorizing firm may be accepted. Tender specific authorization from the OEM must be submitted, but in certain cases where authorization from OEM is not required, the Technical-cum-User committee (T.U.C.) shall decide about exemption (if any) on a case-by-case basis; citing appropriate reasons for the same.
12. If there is some discount in the price of any item, it should be deducted from price itself and such discounts should not be quoted separately.
13. If the product is available on DGS & D rate contract, then a copy of the contract must be attached and pricing be done including all taxes.
14. A copy of the test report for the product issued by any established and recognized private Laboratory or by agency accredited by the Government should be attached with the technical bid. However if required, the Technical-cum-User committee (T.U.C.) can take decision regarding exemptions/relaxations (if any), citing appropriate reasons.
15. In case of Bullet Proof/Bullet Resistant items, test report of TBRL or any Government Approved/Recognized Laboratory is compulsory.

16. Firms participating in this tender shall also submit duly sworn affidavit to the effect that " this firm has not been black listed/debarred by any Government or Semi Government or Private Agency and no sister concern of this firm is participating in this tender."
17. Firms participating in this tender shall also submit the self attested list of users of its equipments.
18. All items shall be received at Central Clothing Store, Patna; therefore price should be quoted FOR Central Clothing Store, Phulwari Sharif, Patna.
19. Firms will have to deposit a sum of Rs. 50,000/- (Fifty Thousand) only as an earnest money deposit in the form of Bank Draft duly pledged in favor of the undersigned along with the quotations. The small scale units located in Bihar shall not be liable to deposit earnest money. Exemption from submitting E.M.D. will also be available to those who are registered with the Central Purchase Organization/State Purchase Organization and National Small Industries Corporation (NSIC).
20. Technical Bids will be opened on scheduled date and time in the office chamber of Police Headquarter. Representatives of the firms competing in the tender may remain present at the time of opening of the technical bid.
21. The technical bids will be opened first and placed before the Technical Committee of the Police Headquarters, Bihar. If the technical bids are found satisfactory as per tender conditions, it will be put before Central Purchase Committee of the Police Headquarters, Bihar. The firms may be required to participate in the demonstrations of the quoted product and discussions with this committee.
22. Any paper/document will not be accepted after opening the tender.
23. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the order as security money in the form of Bank Guarantee duly pledged in favor of undersigned.
24. The firm will be required to provide satisfactory after-sales service after the delivery of the product.
25. The firm will be required to supply all the items within the stipulated time frame as mentioned in the purchase order.
26. Payment for the delivered items will be made only after the acceptance report of the Inspection Committee of the Police Headquarters, Bihar.
27. The firm whose quotation is approved by the Central Purchase Committee of the Police Headquarters, Bihar, shall be invited to enter into an agreement with the undersigned.
28. It is expected to submit the duly filled chart attached herewith, along with the technical bid if not the tender shall be summarily rejected.
29. Indexing of the requisite documents must be done and submitted along with the technical bid.
30. Hands on training for 3 weeks of the equipment must be imparted to the user group by the firm after successful installation.
31. Director General of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully, without assigning any reason thereof.
32. The Quantity indicated may increase or decrease at the time of issuing purchase order.
33. The bids must be include the data sheet of individual item.


A I G (Q)
Bihar Police.

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QRs OF 3D LASER SCANNING AND IMAGING SYSTEM

S No	Specifications
<u>System Functionality</u>	
1.	System must provide automatic 3D Scanning with 360 degree horizontal by 300 degree or better vertical field of view
2.	Ranging Accuracy 4mm or better at 10 mtr 7mm or better at 20 mtr With user selectable resolution settings
3.	Option-I:- a) System must capture objects at minimum range of 0.65 mtr to 60 mtr or better b) System must support 150 Mega pixels or better Panoramic image full dome capture, HDR, LED flash calibrated spherical image/IR based imaging c) Data Acquisition rate must be minimum 3,50000 points per second or better. Option-II:- a) System must capture objects at minimum range of 0.65 mtr to 130 mtr or better from axis of scanner (Radial Range) b) System must support 400 Mega pixels or better Panoramic image full dome capture, HDR, calibrated spherical image/IR based imaging. c) Data Acquisition rate must be minimum 10,00000 points per second or better. (As per user requirement)
4.	System must use Waveform Digitization Technology for better results
5.	System must support at least IP54 rating for dust and water protection
6.	System must provide onsite registration, real time viewing & navigation of image during scan process
7.	System must operate on portable battery with minimum 3 hrs of operation or better per battery
8.	Must have scan time of roughly 4-5 minutes per position including HDR image capture
9.	System must support either onboard memory or external options like SD card industrial grade USB.
10.	System must provide data manipulation, visualisation and modelling capabilities such as creation of 2D drawing and creation of CAD objects

S No	Specifications
11	System must support data registration, computation, analysis and modelling under one single software environment and in one single database upto the web publication phase, animation and 3 D modelling phase
12.	System must allow publication of point cloud into web-based format for online collaboration, support hyperlink, measurement, mark up inside Web browser. System should be simple to use and install and should not require server installation.
13.	System must come with Centralised Storage for high speed point cloud rendering with administrative privileges which allow a user to grant access to a particular project.
14.	System must be portable and easy to deploy preferably not more than 6kg.
15.	Capture instrument should support remote operation through Wi-Fi for laptop and mobile device operations.
16.	The Scanner shall be supplied with a Light weight Carbon Fibre Tripod, capable of handling 18Kg of Payload weight
17.	The transportation Box of the solution should be waterproof
18.	Software system must be able to handle unlimited size of point cloud database
19.	Software system must be client server based to allow a single storage of and dissemination of point cloud data
20.	System must provide Sophisticated Crash & Post Event Reconstruction Tools
21.	System must provide 2D and 3D viewing capability in synchronized views
22.	System must provide minimum three registration methods and algorithms that can be used independently or in conjunction, namely 1) cloud-to-cloud matching 2) Known targets and 3) Automatic Visual Registration Tools.
23.	System must provide Audit Logs for Evidence Integrity.
24.	System must be compatible with Major Point Cloud handling and Publishing Softwares and should be able to conduct two way communications.
25	System must provide the ability to register and superimpose internal images automatically and external images (3D Cubic Map and single camera image) on scanned data for photo-realistic presentation

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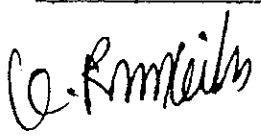
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S No	Specifications
26.	Provide various scene investigation tools like Bullet Trajectory, Animation for construction, Point Cloud overlay on images for measurement and analysis, View point analysis, Wizard for creating finished diagrams, Sketching mode
27.	Should support extraction of 2D drawings from 3D models and scanned data
28.	Should support direct import of .FLS, .3DD, ASCII point data (XYZ,SVY, PTS, PTX, TXT), Land XML, ZFS, ZFC, DBX format and support .imp format
29.	Should support direct export format ASCII point data (XYZ, SVY, PTS, PTX, TXT), DXF, Land XML, DBX format
30.	Must Provide 3D limit box to reduce point density
31.	Must provide automatic and manual point density control
32.	Must provide cloud to cloud registration capabilities
33.	Must support Dynamic level of detail management, displaying different levels of scanned data & 3D model for fast visualization
34.	Take measurement on scanned data, 3D models; slope distances; volumes and surface areas
35.	Must support visualization on mobile/tablet in both mode - online and offline
36.	Must support integration with Industrial GIS Platforms
37.	Must support integration with 3 D modelling software like sketch up Pro, AutoCAD
38.	Must support visualization with or without server
39.	Operating temperature for equipment minimum +5 to +40 Degrees Celsius
40.	Must be able to create a web share of the captured/Processed Data to be reviewed at any remote location on any normal configuration of Laptop/ Tablet online or offline.
41.	Laser Class-1 must comply IEC 60825-1:2014
42.	Laser used to scan should be human safe
43.	Software application must support Integrated Virtual reality mode for better visualization
44.	Point cloud processing software should support all formats of cloud irrespective of hardware make and model
45.	Output created by Software should be supported by all 3D Formatting tools. Auto desk, solid works, cyclone, sketch up, fusion 360
46.	Application should support registration of multiple captures/scans/images automatically
47.	Service / Support of the equipment should be provided on PAN India basis.

S No	Specifications
48.	Training: The bidder shall arrange to provide Onsite training for Anti - Terrorism, VVIP Security Planning, Indoor and outdoor Crime scene scanning and shall essentially conduct a workshop for the same
49.	OEM Should essentially have a local office in India.



AC-II Radha krishnan.K
NSG



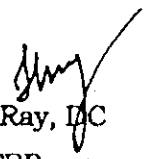
NB/SB Jeet singh
Assam Rifles



INSP. Subhash Chand
BSF



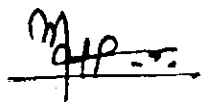
INSP. Sandesh Kumar
SSB



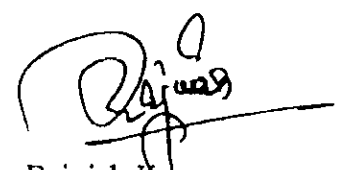
Tapas Ray, DC
ITBP



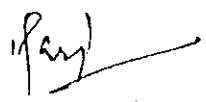
S.S. Sikarwar, DC
CISF



P.R. Jha, DC(Comn)
CRPF



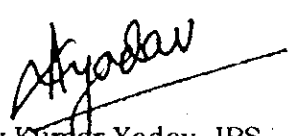
Rajnish Kumar
BPR&D



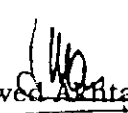
Harjinder Singh, DIG(Eqpt)
CRPF



D.S.Rawat, DIG (Comn)
CRPF

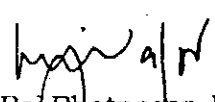


Ajay Kumar Yadav. IPS,
IGP(Comn &IT),CRPF



Md. Jawed Akhtar, IPS,
ADG (Work & Comn),CRPF

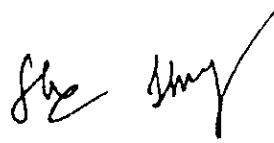


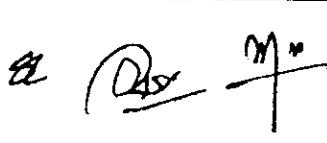
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Rajeev Rai Bhatnagar, IPS
DG, CRPF

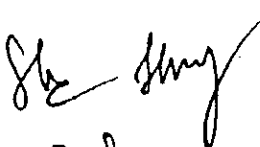
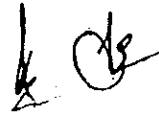

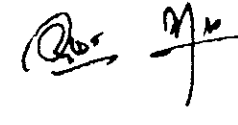
TRAIL DIRECTIVES OF 3D LASER SCANNING AND IMAGING SYSTEM

S N	Specifications	Trial Directives
System Functionality		
1.	System must provide automatic 3D Scanning with 360 degree horizontal by 300 degree or better vertical field of view	Firm will submit OEM Certificate
2.	Ranging Accuracy 4mm or better at 10 mtr 7mm or better at 20 mtr With user selectable resolution settings	Firm will submit OEM Certificate.
3.	Option-I:- a) System must capture objects at minimum range of 0.65 mtr to 60 mtr or better b) System must support 150 Mega pixels or better Panoramic image full dome capture, HDR, LED flash calibrated spherical image/IR based imaging c) Data Acquisition rate must be minimum 3,50000 points per second or better.	a) BOO will check practically. (b) & (c) Firm will submit OEM certificate.
	Option-II:- a) System must capture objects at minimum range of 0.65 mtr to 130 mtr or better from axis of scanner (Radial Range) b) System must support 400 Mega pixels or better Panoramic image full dome capture, HDR, calibrated spherical image/IR based imaging. c) Data Acquisition rate must be minimum 10,00000 points per second or better. (As per user requirement)	a) BOO will check practically. (b) & (c) Firm will submit OEM certificate.
4.	System must use Waveform Digitization Technology for better results	Firm will submit OEM Certificate
5.	System must support at least IP54 rating for dust and water protection	Firm will submit OEM Certificate
6.	System must provide onsite registration, real time viewing & navigation of image during scan process	Board will check practically.

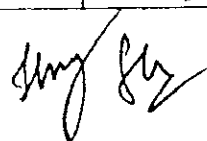
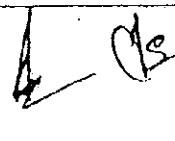
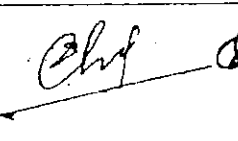
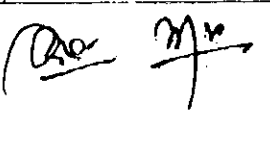
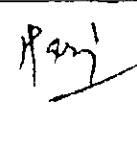
S N	Specifications	Trial Directives
7.	System must operate on portable battery with minimum 3 hrs of operation or better per battery	Board will check practically.
8.	Must have scan time of roughly 4-5 minutes per position including HDR image capture	Board will check practically.
9.	System must support either onboard memory or external options like SD card industrial grade USB.	Firm will submit OEM Certificate.
10.	System must provide data manipulation, visualisation and modelling capabilities such as creation of 2D drawing and creation of CAD objects	Board will check practically.
11	System must support data registration, computation, analysis and modelling under one single software environment and in one single database upto the web publication phase, animation and 3D modelling phase	Board will check practically.
12	System must allow publication of point cloud into web-based format for online collaboration, support hyperlink, measurement, mark up inside Web browser. System should be simple to use and install and should not require server installation.	Board will check practically.
13	System must come with Centralised Storage for high speed point cloud rendering with administrative privileges which allow a user to grant access to a particular project.	Board will check practically.
14	System must be portable and easy to deploy preferably not more than 6kg.	Board will check practically
15	Capture instrument should support remote operation through Wi-Fi for laptop and mobile device operations.	Board will check practically
16	The Scanner shall be supplied with a Light weight Carbon Fibre Tripod, capable of handling 18Kg of Payload weight	Board will check practically
17	The Carrying Box of the solution should be waterproof	Firm will submit OEM Certificate
18	Software system must be able to handle unlimited size of point cloud database	Firm will submit OEM Certificate

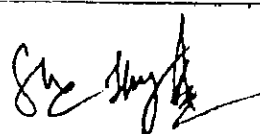
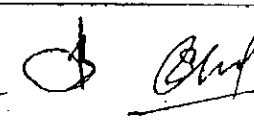
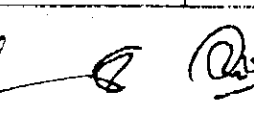
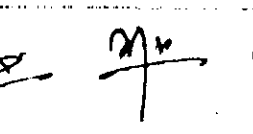
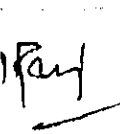
 Dr. J. R.

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S N	Specifications	Trial Directives
19.	Software system must be client server based to allow a single storage of and dissemination of point cloud data	Board will check practically
20.	System must provide Sophisticated Crash & Post Event Reconstruction Tools	Board will check practically
21.	System must provide 2D and 3D viewing capability in synchronized views	Board will check practically
22.	System must provide minimum three registration methods and algorithms that can be used independently or in conjunction, namely 1) cloud-to-cloud matching 2) Known targets and 3) Automatic Visual Registration Tools.	Board will check practically and firm will also submit OEM certificate.
23.	System must provide Audit Logs for Evidence Integrity.	Board will check practically
24.	System must be compatible with Major Point Cloud handling and Publishing Softwares and should be able to conduct two way communications.	Board will check practically
25.	System must provide the ability to register and superimpose internal images automatically and external images (3D Cubic Map and single camera image) on scanned data for photo-realistic presentation	Board will check practically
26.	Provide various scene investigation tools like Bullet Trajectory, Animation for construction, Point Cloud overlay on images for measurement and analysis, View point analysis, Wizard for creating finished diagrams, Sketching mode	Board will check practically.
27.	Should support extraction of 2D drawings from 3 D models and scanned data	Board will check practically
28.	Should support direct import of .FLS, .3DD, ASCII, point data (XYZ,SVY, PTS, PTX, TXT), Land XML, ZFS, ZFC, DBX format and support .imp format	Board will check practically and firm will also submit OEM Certificate
29.	Should support direct export format ASCII point data (XYZ, SVY, PTS, PTX, TXT), DXF, Land XML, DBX format	Board will check practically and firm will also submit OEM Certificate
30.	Must Provide 3D limit box to reduce point density	Board will check practically

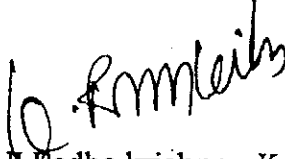







S N	Specifications	Trial Directives
31.	Must provide automatic and manual point density control	Board will check practically
32.	Must provide cloud to cloud registration capabilities	Board will check practically
33.	Must support Dynamic level of detail management, displaying different levels of scanned data & 3D model for fast visualization	Board will check practically
34.	Take measurement on scanned data, 3D models; slope distances; volumes and surface areas	Board will check practically
35.	Must support visualization on mobile/tablet in both mode - online and offline	Board will check practically
36.	Must support integration with Industrial GIS Platforms	Firm will submit OEM Certificate
37.	Must support integration with 3 D modelling software like sketch up Pro, AutoCAD	Firm will submit OEM Certificate
38.	Must support visualization with or without server	Firm will submit OEM Certificate
39.	Operating temperature for equipment minimum +5 to +40 Degrees Celsius	Firm will submit certificate of any Govt. Lab or NABL or ILAC accredited laboratory or OEM certificate.
40.	Must be able to create a web share of the captured/Processed Data to be reviewed at any remote location on any normal configuration of Laptop/ Tablet online or offline.	Board will check practically
41.	Laser Class-1 must comply IEC 60825-1:2014	Firm will submit OEM Certificate & Data Sheet
42.	Laser used to scan should be human safe	Firm will submit OEM Certificate & Data Sheet
43.	Software application must support Integrated Virtual reality mode for better visualization	Board will check practically
44.	Point cloud processing software should support all formats of cloud irrespective of hardware make and model	Board will check practically
45.	Output created by Software should be supported by all 3D Formatting tools. Auto desk, solid works, cyclon, sketch up, fusion 360	Board will check practically
46.	Application should support registration of multiple captures/scans/images automatically	Board will check practically









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S N	Specifications	Trial Directives
47.	Service / Support of the equipment should be provided on PAN India basis.	Firm will submit OEM Certificate
48.	Training: The bidder shall arrange to provide Onsite training for Anti -Terrorism, VVIP Security Planning, Indoor and outdoor Crime scene scanning and shall essentially conduct a workshop for the same	Firm will submit under taking Certificate
49.	OEM Should essentially have a local office in India.	Firm will submit OEM Certificate

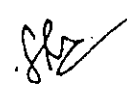

AC-II Radha krishnan.K
NSG

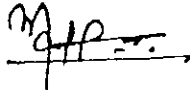

NB/SS Jeet singh
Assam Rifles

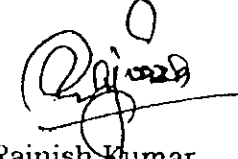

INSP. Subhash Chand
BSF

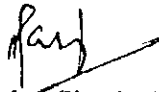

INSP. Sandesh Kumar
SSB



Tapas Ray, DC
ITBP

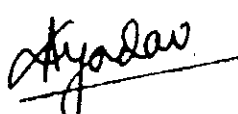

S.S. Sikarwar, DC
CISF


P.R. Jha, DC(Comn)
CRPF


Rajnish Kumar
BPR&D



Harjinder Singh, DIG(Eqpt)
CRPF


D.S. Rawat, DIG (Comn)
CRPF


Ajay Kumar Yadav. IPS,
IGP(Comn &IT),CRPF,


Md. Javed Akhtar, IPS,
ADG (Work & Comn),CRPF

Approved / Not Approved


Rajeev Rai Bhatnagar, IPS
DG, CRPF