

STATE BANK OF INDIA

NOTICE INVITING TENDER/ APPLICATIONS FOR EMPANELMENT

PREQUALIFICATION / EMPANELMENT OF FIRMS / COMPANIES FOR HIRING OF CASH VANS ALONGWITH DRIVERS

FOR CURRENCY ADMINISTRATION CELLS / CURRENCY ADMINISTRATION CELLS (CLUSTER MODEL) AT DIFFERENT CENTERS IN CHANDIGARH CIRCLE

START DATE: 21-Feb-2025; 10:00 AM

CLOSE DATE: 17-Mar-2025; 05:00 PM

State Bank of India invites application on the prescribed format from Firms / Companies for PREQUALIFICATION OF FIRMS / COMPANIES FOR HIRING OF CASH VANS alongwith Drivers

FOR CURRENCY ADMINISTRATION CELLS / CURRENCY ADMINISTRATION CELLS (CLUSTER MODE) AT DIFFERENT CENTERS IN CHANDIGARH CIRCLE.

Interested Firms / Companies fulfilling the eligibility criteria may apply in prescribed format which may be downloaded from the Bank's website www.sbi.co.in under link 'Procurement News'.

Place – Chandigarh

Chief Manager (Procurement)

NOTICE INVITING TENDER /APPLICATIONS FOR EMPANELMENT

State Bank of India invites application on the prescribed format for Empanelment from the Firms / Companies for Hiring of Cash Vans with drivers for Currency Administration Cells/Currency Administration Cells (Cluster Model) at different centers in Chandigarh Circle. Details of the tender are given below:

1.	Name of Work	Hiring of Cash Van for currency administration cells/currency Administration cells (cluster mode) at different centers in Chandigarh Circle viz. Chandigarh, Punjab, Haryana, Himachal Pardesh, Ladakh and Jammu & Kashmir.
2.	Earnest Money Deposit (EMD)	Rs.20,000/- (Rupees Twenty Thousand only) in the form of Demand Draft issued by any Nationalized/Scheduled Bank drawn in favour of " Chief Manager (Procurement), Circle Procurement Department, SBI" payable at Chandigarh which shall be returned after successful completion of the tender.
3.	Security Deposit	Rs. 50,000/- (Rupees Fifty Thousand only) in the form Bank's of STDR, under lien in favour of Chief Manager (Procurement), Circle Procurement Department, SBI, LHO, Chandigarh within 7 days of date of award of contract for One Year
4.	Date for issue of tender documents	Date 21-Feb-2025 to 17-Mar-2025 (date from Bank's website) https://sbi.co.in/web/sbi-in-the-news/procurement-news
5.	Last date and time of receipt of tender	Date: 17-Mar-2025 , Time: 5.00 PM
6.	Address at which the Tenders are to be submitted	State Bank of India, Chief Manager (Procurement), Pargati Bhawan, 2 nd Floor, LCPC Building, Phase-III, Urban Estate, Patiala-147003 or personally delivered on the given address.
7.	Place of opening tenders	State Bank of India, Local Head Office, Chandigarh.

In case the date of opening/closing of Tenders is declared a holiday in Chandigarh, the Applications will be opened on the next working day. Bank has the right to accept / reject any/all applications without assigning any reasons. The Bank also reserves its right to reject any application which, in the opinion of the Bank, is not eligible for effectively carrying out the obligations required under the terms and conditions of the tender.

DISCLAIMER: The information contained in this Tender document or information provided subsequently to applicants whether verbally or in documentary form by or on behalf of State Bank of India (Bank), is provided to the applicants on the terms and conditions set out in this Tender document and all other terms and conditions subject to which such information is provided. This Tender invitation is neither an agreement nor an offer and is only an invitation by the Bank to the interested parties for submission of applications. The purpose of this Tender invitation is to provide the applicant(s) with information to assist in the formulation of their proposals. This Tender invitation does not claim to contain all the information each Applicant may require. Each applicant should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this Tender document and where necessary obtain independent advice. Bank makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this Tender. Bank may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this Tender documents. No contractual obligation whatsoever shall arise from the Tender process until a formal contract is signed and executed by duly authorized officers of the Bank with the selected Applicant.

(Signature with date and Seal of the Applicant).

Form No. I (Application Form)

From:
M/S _____

Add: _____

Tele No.(s) _____

Mobile No. _____

E-Mail : _____

Date:

.....
.....
.....

Dear Sir,

PRE-QUALIFICATION OF FIRMS / COMPANIES FOR HIRING OF CASH VANS (FABRICATED AS PER BANK'S REQUIREMENT) ALONGWITH DRIVERS

Please refer to your notice for the captioned work on dated

2. We enclose herewith Form No. II (Information Form), duly **SIGNED & SEALED** by the authorized signatory of our Firm/ Company along with all the required testimonials. We hereby undertake and confirm that the details submitted are true and correct as per the "TERMS & CONDITIONS" duly signed with seal. We further undertake to produce on demand "ORIGINALS" of enclosed testimonials /papers/ documents attached herewith and assist the Bank Authorities for the purpose of the empanelment.
3. We undertake to supply cash vans with drivers at different centres (Fabricated as per Bank's requirement) forin Chandigarh Circle.
4. We understand that Bank may prepare panel of Firms/ Companies after scrutinizing the relevant papers, as produced and depending upon their track record and past experience.
5. We also understand that the Bank is not bound to invite all the Firms/ Companies for bidding/ tendering for all/ any work and has discretion to invite select list of empanelled Firms/ Companies to participate in bidding.
6. We clearly understand and undertake that mere submission of application does not guarantee us empanelment and Bank's decision in this regard will be final and binding on us.
7. We undertake that we have not been de-panelled from any Bank/ Financial Institution/ Public Sector Undertaking/Govt. Department.

8. The Bank reserves the right to accept or reject any or all applications without assigning any reason whatsoever. Mere fulfillment of the criteria does not necessarily ensure short listing/ empanelment.

Yours faithfully,

(Authorized Signatory)

Name:

Contact No.:

Address:

(Seal of Firm/ Company)

Date:

Place:

DETAILS OF FIRMS/ COMPANIES FOR SUPPLY OF CASH VANS
(FABRICATED AS PER BANK'S REQUIREMENT) ALONGWITH DRIVERS

S NO	SUBJECT	DETAILS
1	Name of the Firm/ Company With Year of Establishment	
2	Address of Corporate/ Registered Head Office	
3	Name(s) and Addresses of: Sub Offices located in Chandigarh Circle comprising of State of Punjab, Haryana, H.P, J&K and Union Territory of Chandigarh	
4	Communication details	(a) Landline Tele No(s)with STD codes : _____ (b) Mobile No(s). : _____ (c) Fax No(s) : _____ (d) e-mail ID : _____
5	Constitution of the Firm/ Company	Partnership/ Proprietorship/ Ltd Company
6	Names of Partner's/ Associate's/ Proprietor's Authorized signatory(s)	
7	Bio-data of Partners/ Associates With Address &Tele/Mob/email IDs (Details to be given in separate sheets)	Enclosed :Yes/No
8	Whether Registered with the Registrar of Companies/ Registrar of Firms. If so, mention No. and date	Enclosed :Yes/No
9	Whether PSARA license available. (copy of valid license to be enclosed)	Enclosed :Yes/No
10	Various latest Registration Nos/ Certificates (Latest attested copies to be enclosed)	(a) PAN : _____ (b) CST Registration No : _____ • VAT Registration No : _____ • Service Tax : _____ (e) ESI No. : _____ (f) EPF No. : _____

11	<p>Bank Details</p> <p>(Latest Solvency certificate worth Rs 10 lacs to be enclosed)</p>	<p>Account No : _____</p> <p>Name of Bank : _____</p> <p>Branch Address : _____</p> <p>Tele No's : _____ (With STD Code)</p> <p>Mobile No.s : _____</p> <p>Fax : _____</p> <p>Email ids : _____</p>			
12	<p>Details of latest Registration / : empanelment with different Banks/ PSUs/ Financial Institutes/Govt. Departments (Enclose documentary proof giving latest actual work carried out)</p>	<p>Enclose the details as per Format enclosed at Appx 'A'.</p>			
13	<p>Enclose documentary proof with regard to past experience in cash management of last seven years, service executed/ services in hand with cost claimed.</p>	<p>Enclosed :Yes / No</p>			
14	<p>Whether willing to work in the States of Punjab, Haryana, Himachal Pradesh, Jammu, Kashmir and Chandigarh UTs. If not , specify areas of preference</p>				
15	<p>Copies of IT Returns for the last THREE years to be enclosed</p>	<p>Enclosed :Yes / No</p>			
16	<p>Annual Turnover of last THREE yrs.(Please enclose copies of Audited Profit and Loss, Balance Sheet and Turnover Certificate along with Auditor's Note)</p>	(Rs. in Lakhs)	As at close of business as on		
			31.03.2022	31.03.2023	31.03.2024
		Turnover / Sales			
		Other Income			
		Profit before Tax			
		Profit after Tax			
		Capital &Reserve s			
17	<p>List of documents enclosed (self certified copies)</p>	<p>1 _____</p> <p>2 _____</p> <p>3 _____</p> <p>4 _____</p> <p>5 _____</p>			

		6 _____
		7 _____
		8 _____
		9 _____
		10 _____
		11 _____

(Authorized Signatory)

Name:

Contact No.:

Address:

Date:

Place:

(Seal of Firm/ Company)

LIST OF ENCLOSURES		
S. No	Particulars	Enclosed Yes/ No
1	Copy of registration and partnership deed (if applicable) in support of constitution / In case of Limited Company, copy of Power of Attorney for signing the application and the Certification of Incorporation, Memorandum and Articles of Association	
2	Documentary evidence / Certificate in support of no. of installations / latest empanelment with any Public / Private Organization to be obtained from the Public / Private Organization (Refer Para 12 of Form-II)	
3	List of Support offices or Sub offices located in Chandigarh Circle	
4	Latest attested copies of IT Registration Certificate, CST Registration Certificate, Sales tax/ Vat Registration Certificate, Service Tax Registration No, ESI/ EPF No, Certified copy of latest Sales tax/Vat return/clearance certificate(Refer Para 10 of Form-II)	
5	Copy of PAN Card issued by Income Tax Deptt, Latest tax clearance certificate, Return filed / Assessment Order (last 3 years) (Refer Para 15 of Form-II)	
6.	Details of Partners / Associates (Refer Para 7 of Form-II)	
7	Last three years copies of audited profit-loss And Balance Sheet, Turnover Certificate along with auditor's note (Refer Para 16 of Form-II)	
8	Latest Banker's Solvency Certificate (in original) worth 10 lacs alongwith Banking details (Refer Para 11 of Form-II)	
9	List of clients /work executed with details-last 7 years along with order copy/ Contract copy.	
10	Order/contract copy from SBI/ Public Sector Banks/ Undertakings (Refer Para 13 of Form-II)	
11	Experience Certificate	
12	List of offices of clients with addresses where cash vans have been provided	
13	Copy of PSARA license	
14	"Performance Certificates" from the clients, as desired by us.	
15	Technical Specifications/Brochure of the product(s) installed in the cash van offered.	
16	Acceptance of Terms & Conditions duly signed and sealed	
17	An AFFIDAVIT, on a Stamp Paper duly Attested by Notary/Magistrate.(Refer Para 45 of Terms and Conditions)	

Place :

**Signature of Applicant /Authorised Signatory
of the Applicant
(With Seal)**

Date :

**Name:
Contact No.**

TERMS AND CONDITIONS

PRE-QUALIFICATION OF PRIVATE SECURITY AGENCY /

FIRMS/ COMPANIES FOR EMPANELMENT FOR

SUPPLY OF CASH VANS (DESIGNED&FABRICATED AS PER BANK'S SPECIFICATIONS) ALONGWITH DRIVERS

ELIGIBILITY CRITERIA FOR EMPANELMENT

1. The private Security Agency/Firm/ Company providing armed guard should be registered and shall have valid license under the Private Security Agencies (Regulation) Act 2005 (PSARA) for that particular State/ UT wherever required.
2. The agency/ Firm/ Company must have PAN/GSTIN Number and have complied with applicable statutory provisions. The Agency / Firm / Company should be registered with the Polica and State Regulations as per the relevant orders in respect of cash van services.
3. The Firm/ Company should comply with all the labour laws, Rules, Regulations, RTO, ESIC, PF of concerned States and Central Government.
4. The Firm/ Company should have experience of at least (07) seven years of providing similar services to Banks , Financial Institutions, RBI or other Organisations in the field of cash remittance/management. **(Experience certificates and performances certificates to be attached).**
5. The Firm/ Company shall have an average turnover of **Rs 80 Lakhs** and above during last 03 Financial Years ending 31March 2022,2023 and 2024. (Self attested photocopies of the ITRs and Audited Balance Sheets of last three years to be provided).
6. The Firm/ Company shall be in profit during last three consecutive financial Years i.e. 2021-22, 2022-2023 & 2023-2024.
7. A demand draft of Rs.20000/- (Rupees Twenty Thousand only) favouring Chief Manager (Procurement), Circle Procurement Department, SBI, payable at Chandigarh, is to be enclosed with the application as earnest money which will be refunded in case of unsuccessful applicant (s) immediate after completion of empanelment process and no interest shall be payable on the same.
8. After the completion of empanelment process, firms/companies selected for empanelment, will be required to furnish a security deposit of 50000/- (Rupees Fifty Thousand only) by the way of STDR, under lien favour of Chief Manager (Procurement), Circle Procurement Department, SBI, LHO, Chandigarh. Thereafter the earnest money will be returned back to the empanelled vendor (s). The security deposit amount shall not bear any interest.
9. After empanelment, Bank's different branches / offices will avail their services by tender process.
10. Bank reserves its right to cancel/ postpone/ prepone of empanelment procedure at any stage without assigning any reasons.

OTHER TERMS AND CONDITIONS

1. The Company / Firm shall provide Cash Vans (not older than two years from the date of signing the agreement), built as per Bank's specifications with trained and expert driver possessing valid driving licenses for cash movement and will endeavour to operate the services efficiently. The identified Company/firm will be under obligation to provide the cash can duly fabricated within three weeks time, failing which a penalty will have to be paid by the firm for a maximum of 15 days. Thereafter, Bank will be at liberty to double the penalty amount or engage another cash van and the agency have no right to be considered in re-tendering exercise.
2. The cash van should be specially fabricated as per the bank's laid specifications as per the Annexure 'A' **(Technical specifications for specially designed and fabricated Cash Van).**

3. The van will always be kept and maintained in serviceable condition at Company's own cost. It will report to the Bank as and when specified by the authorised official of the Bank in a state of road worthiness.
4. Any charges for fuel, oil lubrications and maintenance shall be borne by the Company within the monthly charges being paid.
5. Any registration, insurance, vehicle pollution certificates, taxes, toll tax and road tax etc. will be arranged by the Company at its own cost. The driver will carry all original documents in the vehicle. A photocopy of these documents will be handed over to the authorised official of the Bank. All such documents will be renewed well in time by the Company at its own cost.
6. In case of any breakdown of vehicle on account of any reason whatsoever, another such one will be arranged by the Company without any delay/any extra cost/overtime payment.
7. An experienced driver with valid driving license (preferably an Ex-Serviceman) will be provided with vehicle by the Company within the monthly charges being paid. The driver will be the employee of the Company and Bank will have no liability towards his salary, PF or any other statutory liability if any, in any respect. The Company will deposit or pay all type of statutory dues of the driver etc. Firms /Company further ensure that the employees so engaged in providing services to the bank are being paid at least minimum wages as applicable in the state /UT The proper police verification will be carried out by the Company to Bank's satisfaction and a copy of his verification alongwith his identity (with photo) be handed over to the Bank official/ Police station(s), if required.
8. The Company shall be responsible for proper behaviour and conduct of the driver.
9. Any change in the driver will be communicated to the Bank's authorised official well in time and Company's representative come personally to intimate the change along with the driver. The Company's representative should be known to the Bank and shall carry identity card of the Company duly authenticated by the owner of the Company. A standby driver be identified for this purpose and his Police verification must be available on record.
10. The driver will have valid driving license and the Identity Card and shall carry on his person while on duty. The driver also must know how to tackle and rectify minor fault(s) of routine nature. The driver should always be in good health.
11. The Company shall get the Police Verification of driver & other staff, if applicable and forward the copies to this Office before commencement of contract.
12. The vehicle will normally be engaged for banking hours (08 hours per working day). Extra hours, as and when required by the Bank, will be paid as per clause 14.
13. The vehicle shall report on time to the Bank's authorised official at designated place and shall leave when released by him.
14. The vehicle will be used by the Bank upto fixed meter age (Kms) a month(*to be decided at time of tendering*) on all working days within the monthly charges. If the total distance exceeds the stipulated limit a sum of Rs.@ Rs..... per km(*to be decided at time of tendering*) for extra km will be paid. Charges for extra hours @ Rs..... per hour will be paid (**To be decided at time of tendering**) . Counting of Kms will start when the vehicle reports to Bank and end when the Bank releases the vehicle for the day. Charges for out of station, overnight duty shall be Rs..... (**to be decided at time of tendering**) per night over and above as stated above, **Monthly Charges given** above is inclusive of all taxes including Service Tax.
15. A proper log book will be maintained by the Company, with columns like Sr. No., Date, Time reported, Time released, Kms reading, reporting time, released time, total kms run, place where the vehicle went to, signature of the driver and the Bank's official. Copy of logbook shall be attached with the bill for scrutiny.
16. The Bank has the authority to call the vehicle on Sunday/holiday and at odd hours, if required and will be paid for as per clause 14.
17. The Bank can utilize the vehicle for any purpose other than cash and can send outside Centre at its own discretion.
18. The cash van shall be insured comprehensively. However, the Bank will arrange insurance of cash in transit.
19. Any problem arising on account of Police, transport authorities etc. shall be dealt by the Company at its own cost.
20. The employee of the Company, for this service, will at no point of time claim to be employee of the Bank.
21. It shall be the total responsibility of the Company to manage said services i.e. cash van, driver, standby cash van for emergencies etc. in professional and smooth manner.
22. The Company shall cover its personnel, deployed on cash remittance duty, for personal accident, fidelity and death whilst performing the duty. There will be no responsibility of the Bank for any type of civil, criminal or of any claim in case of any accident or any other crime towards the Company, driver or third party. The driver or Company will be liable for any damage, claim, penalty or punishment in this regard.
23. Adequate supervision will be provided by the Company to ensure correct performance of the said services in accordance with the prevailing assignment instructions agreed upon between the parties. If the Company fails to

provide satisfactory service or discontinue the service before the expiry of above agreement, earnest money held security deposit amount with the Bank will be fortified.

24. All necessary reports and other information will be supplied on mutually agreed basis and regular meeting will be held with the client.
25. The Company shall take proper and reasonable and adequate precautions to preserve from loss, deduction, waste or misuse areas of responsibility given to them by the Bank and shall not lend to any person or Company any of the effects or assets of the same under its control.
26. The agreement will be carried out between the CAC centre and the Firm/ Company and the contract shall be valid for a period of 24 months and may be extended further as mutually agreed, subject to satisfactory services.
27. The agreement shall be binding for two years from the date of execution. However, the bank may, for any reasons, discontinue the arrangement/ agreement earlier by issuing one month advance written notice to the Head office of the empanelled firm/company. The firm/company may also terminate the arrangement/agreement by giving two months advance written notice to the concerned Zonal Business Office/Regional Business Office/CAC Administrative Cell. The termination of the agreement, as aforesaid, shall not absolve the firm/company's liability regarding services already entrusted to them or any other claims lodged/ to be lodged in terms of the clauses as mentioned elsewhere in the terms and conditions.
28. The Bank reserves its right to discontinue the services without assigning any reason whatsoever in the interest of Bank by giving one month notice.
29. The Company will ensure that its staff/driver shall not at any time, without the consent of the client in writing, divulge or make known any trust, accounts, matters or transactions undertaken or handled.
30. No hike on account of fuel, oil, lubrications shall be given by the Bank within the period of contract. It shall only be considered at the time of renewal of the contract, if any, between both the parties as mutually agreed upon.
31. The contract shall be signed on a stamp paper as applicable and all expenses on this account shall be borne by the Company.
32. In case the van/driver fails to turn up on any working day, a penalty @ Rs..... (double the daily amount paid or pro-rata basis) will be charged(*to be decided at time of tendering*) .
33. 5% amount shall be deducted from the total billing (less service tax) and deposited in a Saving Bank account with the Bank every month in the name of the Company (in lien with the Bank) and subject to the instructions of the Bank to adjust / recover any amount from the company, the same will be returned/released to the Company after 24 months or completion of agreement.
34. The Company shall do and perform all such cash van services acts. Matters and things connected with the administration superintendence and smooth conduct of the above arrangements, as per the directions enumerated here in and in accordance with such directions, which the client may from time to time issue and which have been mutually agreed upon between the two parties.
35. No person, other than the one/s authorised by the Bank and/or party of the first part shall be allowed to travel by the said vehicle/s regardless of whether or not the vehicle is carrying cash at the relevant point of time.
36. That the Company shall allow the Bank to let Bank's Cashier and other staff members, as required by the Bank, to accompany the cash remittance.
37. The Bank will pay the rent/hire money for the cash van to the Company after the last working day of every month within one week of production of the bill.
38. That in case the Bank is of the opinion that the vehicle or services provided by the Company are not satisfactory or upto the mark, or the Company commits any breach or violation of any term or condition of the agreement, then the Bank shall be entitled to withhold and deduct the amount or part thereof of the payments due and payable to the Company, besides terminating the agreement by giving the prior notice of 30 days to the effect.
39. Originals of all the documents attached to be produced on Bank's demand.
40. The Firm who are under arbitration/ litigation with our Bank or have been black listed/ de-listed/ de-paneled by any Government/ Semi Government/ Nationalised Public Sector Banks/ Public Sector Undertaking (PSUs) / Financial Institutes (FIs)/ Corporate Offices will not be considered for Empanelment. **A stamped AFFIDAVIT to this effect duly attested by Notary/ Magistrate shall be submitted to this effect along with the application.**
41. That the firm/Company shall not be allowed sub letting of contract to another firm/company after the empanelment.
42. Force Majeure clause will be applicable for continuing default.
43. That the Firm/company will have to submit the BCP (Business Continuity Plan) to the respective Zonal Business Office/Regional Business Office/ CAC Administrative Office on the same day of contract in case of mass absence/ strike by the employees, vehicle (s), off road etc.
44. Penalty will be imposed by the respective Zonal Business Office/Regional Business Office/CAC Administrative cell for which the cash van hired, it may forfeit (partially or fully) security amount for nonadherence to terms and conditions of the contract.

45. For any disputes between the parties, the court at Chandigarh shall have exclusive jurisdiction to decide the matter.

Owner/Authorised Official

Company/Firm supplying cash van

(with seal)

Name:

Contact No.

Place:

Dated:

TECHNICAL SPECIFICATIONS FOR SPECIALLY DESIGNED & FABRICATED CASH VAN

1. Make & Model

- (a) It should be an LCV (Light Commercial Vehicle), with an Engine capacity of not less than 2200 CC, preferably Turbocharged.
- (b) Vehicle should not be more than 02 years old at the time of hiring and not more than 05 years old at any point of time.
- (c) Ground Clearance- Not less than 190 mm.
- (d) Vehicle should accommodate minimum 1 + 4 passengers (factory built).
- (e) Vehicle should have four (04) doors for driver / passengers and one separate door for cash cabin.
- (f) All doors to have independent locking system from inside and outside.
- (g) Should have tubeless tyres including Stepney.
- (h) Complete tool kit containing jack and handle and tools to open wheels and minor repairs.
- (i) Factory fitted air conditioner.

2. Layout

- (a) Body should be of a sheet metal of minimum 19 Gauge, however the floor should be of minimum 16 Gauge chequered plate.
- (b) There should be at least 4 iron eyelets on cash cage floor, of sufficient diameter (say 2-2.5"), bolted to the chassis from below. The eyelets should be spaced in a way so as to accommodate multiple cash box stacks in the cash cage.
- (c) There should be 2 rows of seats in the driver's cabin, front row for driver and one Bank Guard (co-driver) and the rear row for one armed guard and 2 other staff.

3. Cash Compartment Security

- (a) Cash cage compartment should have door and grill gate.
- (b) The entrance of cash compartment shall be from rear side of cash van.
- (c) Locking arrangement: One internal lock and 02 pad locks at the door of cash cabin.
- (d) All windows and wind screen should have wire mesh protection (of not more than 1 square inch). Each Window mesh should have a circular port-hole of dia. 6 inches for use of weapon.
- (e) The panic switches for operating the hooter are available with the driver and other occupants.
- (f) Cash Box Security: Cash van should have provision to secure the cash boxes so that each of the cash boxes is secured to the floor with separate chains and have locks that can be opened or locked only by using separate keys kept with different custodians and cash for each branch shall be carried, preferably, in a separate box with the name of the branch written on it.

4. **Driver Cabin**

- (a) It should have mobile charging facility.
- (b) Fitted with CCTV system with GPS tracking device and 30 days recording facility and 03 cameras as under:-
 - (i) Rear (ii) Front (iii) Cash Compartment.
- (c) Hooter for security purpose.
- (d) One First Aid box with adequate first aid kit shall be fitted near driver's seat.
- (e) One ABC type (stored pressure) 2 kg. Fire extinguisher shall be provided near driver seat.
- (f) A security alarm with GSM based auto-dialer shall be provided with a motorized siren.
- (g) The cash van shall be equipped with emergency lights.
- (h) Every cash van shall be fitted with GPS tracking device.

m-DVR Specification

S. No.	Parameter	M-DVR having up to 4 CCTV cameras	Compliance
1	Video Format	PAL	
2	Number of Video Inputs	4 Channels	
3	Number of Video Outputs	1	
4	Video Compression Standards H.265	H.265	
5	Audio Compression Standards G.711	G.711 and G.726	
6	Number of Streams	Dual streams, both streams independently configurable for each camera resolution and frame rate	
7	Recording Resolutions	4CIF/2CIF/CIF/QCIF (can be set independently for each channel for both streams)	
8	Alarm Sensors	Minimum 4 inputs 2 outputs	
9	Storage	1 TB, 2.5" SATA Hard Disk Drive or Solid State Drive with suitable and vibration mechanism.	
10	Recording Modes	Normal, Schedule based, Alarm triggered, Motion detection.	
11	Power Input	8 to 32 volts, spike/surge protection	
12	Power Output	Regulated power to CCTV cameras and Microphones.	
13	Working Temperature	~ 10 to 60 degree Celsius or better	
14	Working Humidity	0% to 95% relative humidity non-condensing or better	
15	Network/Communication	LAN- 1 RJ45 interface	
16	Interfaces	Wi-Fi- Built-in 3G/4G module, supporting both 3G and 4G, GPRS, TCP/IP	
17	External Interfaces	1 USB 2.0	
18	LED Indicators	Power, Recording, 3G/ GPRS Network	
19	Date Transfer on 3G and 4G/GPRS	In case the vehicle moves to an area where 3G coverage is not present, the m-DVR will automatically shift to GPRS (2G) connectivity to send the health status data.	
20	GPS MODULE	In addition to m-DVR should have inbuilt GPS Module, capable to provide video with GPS Coordina	

S. No.	Parameter	Recommended Specs	
1	Type	Analog Color Camera STARLIGHT ANALOG CAMERA	
2	Video Format	PAL	
3	Lens	Fixed 3.6 mm	
4	Camera Resolution	better	
5	Image Sensor	1/3" CCD or better	
6	Minimum Illumination	0.01 Lux at F1.2 with IR Off	
		0.0 Lux with IR On.	
7	Shutter Time	1/50 sec to 1/100.000 sec	
8	Infrared Capability	Built-in Infrared LEDs with range of minimum 20 meters auto Day/Night	
9	Camera Ruggedness	Rugged, vibration, shock and tamper proof housing, vibration resistance equivalent Shock resistance as per	
10	IP Rating	IP66 , IP67	
11	Operating Temp	~ 10 to 60 degree Celsius OR better	
12	Operating Humidity	0% to 95% RH	
13	Audio	Built-in Microphone or separate microphone	
14	Image Enhancement	Automatic Gain Control, Wide Dynamic Range (WDR) and automatic Backlight Compensation (BLC)	
15	Input Power	Power from Mdv	
16	Motion Detection	Automatic Motion Detection	

MXVR Compliance DHI-MXVR4104-GFW

Video and Audio		
Analog Camera Input	4 HDCVI/AHD/TVI/CVBS cameras	
IP Camera Input	4 IP cameras (extendable via PoE switch)	
Video Compression	H.265/smart H.265/H.264/smart H.264	
Dual-stream	Support (up to D1 encoding for sub stream)	
Video Frame Rate	PAL: 1– 25 fps	
	NTSC: 1 – 30 fps	
Video Output	1-ch CVBS; 1-ch VGA	
	Output resolution: 800×600/1280×1024	
Display Split	1/4/8/9	
Audio Compression	G.711A/G.711U/PCM	
Network		
Band	Eurasian Version	Latin American Version
	LTE-FDD: B1/3/5/7/8/20	LTE-FDD:
	LTE-TDD: B38/40/41	B1/2 /3/4/5/7/8/28
	WCDMA: B1/5/8	LTE-TDD: B40
	GSM/EDGE: B3/8	WCDMA: B1/2/4/5/8
		GSM/EDGE: B2/3/5/8
Tx Power	Frequency Bands	Max. Tx Power
	GSM850/EGSM900	33 dBm ±2 dB
	DCS1800/PCS1900	30 dBm ±2 dB
	WCDMA bands	23 dBm ±2 dB
	LTE bands	23 dBm ±2 dB
Wi-Fi Frequency	2.4 GHz	
Wi-Fi Protocol	802.11 b/g/n	
AI		
DSM	Supports drowsy driving, distracted driving, calling, no driver, wearing IR blocking sunglasses, smoking, lens tampering and unbelted alarms.	
ADAS	Supports Lane Departure Warning, Forward Collision Warning and Headway Monitoring Warning.	
BSD	Supports human, motor vehicle, and non motor vehicle detection and warning.	
Face Recognition	Supports face attribute detection and face comparison.	
Recording Playback		
Recording Priority	Manual recording > alarm recording > motion detection recording > Timed recording	
Recording Playback	1/4 channels	
Backup	HDD/SSD, USB flash drive and network backup	
Storage		
HDD/SSD	1 × HDD/SSD (up to 2TB)	
Heat Dissipation	Built-in fan cooling	
SD card	1 × SD card (up to 256GB)	
Alarm		
General Alarm	Motion detection, video loss, video tampering, local alarm, camera offline	
Abnormal Alarm	No HDD, HDD error, insufficient capacity, illegal login, battery low voltage, high temperature, rollover, collision, over speed, low speed, rapid turn, rapid speedup, sharp brake, network security exception, ACC off	
Alarm Linkage	Log, record, snapshot, tour, buzzer, email, alarm output	
Sensor		
Gyroscope	Supports event detection and alarm such as rollover, collision, rapid speedup/slowdown/turn.	

External Interface	
Alarm Input	9 channels (Alarm 1–8 are local alarm input, Alarm 9 is pulse input)
Alarm Output	2 channels (1 relay out, 1 controllable 12VDC 0.5A out)
Audio Talk	Support
Pickup	1-ch, the audio will be overlaid on the first channel
RS-232	3
RS-485	1
CAN	N/A
USB	Front panel: 2 × USB 2.0
	Rear panel: 1 × USB 2.0 from EXTEND port
Network Port	Front panel: 1 × 10M/100M RJ45
	Rear panel: 1 × 10M/100M 6-pin aviation connector
Satellite Positioning	GPS/GLONASS
General	
Power Supply	6–36 VDC
Power Consumption	8.4 W (without peripheral)
	Low power consumption: < 0.1W
Gross Weight	2.83 kg (6.24 lb) (with packages)
Product Dimensions	180 mm × 190 mm × 50 mm (7.0" × 8.7" × 2.0")
Packaging Dimensions	308 mm × 293 mm × 123 mm (12.1" × 11.5" × 4.8")
Operating Temperature	–30 °C to +70°C (–22 °F to +158 °F)
Operating Humidity	10% – 90%
Operating Altitude	5000 m
Installation	Embedded or bracket installation
Certifications	CE/FCC/E-mark/EN50155

Camera Compliance

Camera		DH-HAC-HDBW2241FP-M-A	
Image Sensor	1/2.8" CMOS		
Effective Pixels	1920(H)×1080(V), 2MP		
Scanning System	Progressive		
Electronic Shutter Speed	PAL: 1/4s~1/100000s		
	NTSC: 1/3s~1/100000s		
Minimum Illumination	0.004Lux/F1.6, 30IRE, 0Lux IR on		
S/N Ratio	More than 65dB		
IR Distance	Up to 20m (66feet)		
IR On/Off Control	Auto / Manual		
IR LEDs	8		
Lens			
Lens Type	Fixed lens / Fixed iris		
Mount Type	Board-in		
Focal Length	3.6mm (2.8mm Optional)		
Max Aperture	F1.6		
Angle of View	H: 86.9° (110°)		
Focus Control	N/A		
Close Focus Distance	1200mm (500mm)		
	47.2" (19.7")		
DORI Distance			
Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			
	DORI	Distance	
	Definition		
Detect	25px/m	2.8mm: 39m(128ft)	
	(8px/ft)	3.6mm: 55m(180ft)	
Observe	63px/m	2.8mm: 15m(49ft)	
	(19px/ft)	3.6mm: 22m(72ft)	
Recognize	125px/m	2.8mm: 8m(26ft)	
	(38px/ft)	3.6mm: 11m(36ft)	
Identify	250ppm	2.8mm: 4m(13ft)	
	(76px/ft)	3.6mm: 6m(20ft)	
Pan / Tilt / Rotation			
Pan/Tilt/Rotation	Pan: 0° ~ 60°		
	Tilt: 0° ~ 90°		
	Rotation: 0° ~ 360°		
Video			
Resolution	1080P (1920×1080)		
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P		
Video Output	1-channel BNC HDCVI high definition video output(Aviation connector)		

Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / WDR
WDR	120dB
Gain Control	AGC
Noise Reduction	2D / 3D
White Balance	Auto / Manual
Smart IR	Auto / Manual
Certifications	
Certifications	ECE (EN55032, EN55024, EN50130-4)
	FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)
	UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
	EN50155 (EN50121-3-2, IEC61373)
	IP6K9K
	EN45545
Interface	
Audio Interface	1ch in & Built-in Mic
Aviation Connector Interface	1-power
	2-video ground
	3-power ground
	4-video
Eelectrical	
Power Supply	12V DC \pm 30%
Power Consumption	Max. 3.6W
Environmental	
Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
	* Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection & Vandal Resistance	IP67 & IK10
Construction	
Casing	Aluminium
Dimensions	Φ 106mm \times 50.3mm (Φ 4.17" \times 1.98")
Net Weight	0.31kg (0.68lb)
Gross Weight	0.45kg (0.99lb)