

**Implementation of Centralized
Smart Card with QR Code
(PETG PICC) Printing and
Delivery Solutions**

Request For Proposals



**Transport Department
Government of Andhra Pradesh**

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OFFICE OF THE COMMISSIONER FOR TRANSPORT

Tender Ref No. 15021/36/IT/2020

Notice Inviting Tender (NIT)

Name of work – Implementation of (i) computerized and centralized printing, supply and delivery of certified smart card driving licenses and vehicle registration certificates to citizens, for the Transport Department of the State of Andhra Pradesh and (ii) other activities incidental thereto, as per the Bidding Documents (“**Project**”).

On behalf of the Government of Andhra Pradesh (“**GoAP**”), the Transport Commissioner, Andhra Pradesh, invites eligible and competent bidders to submit their pre-qualification, technical and financial proposal for the Project, in accordance with conditions and manner prescribed in this RFP and other Bidding Documents issued by the Government of Andhra Pradesh, which are available on its website (<http://www.aptransport.org/>) and also on the GoAP e-procurement website (<http://www.eprocurement.gov.in/>).

The bidders, participating for the first time in the e-procurement process on the GoAP e-procurement portal, will have to complete the online registration process. Details of the pre requirements for such registration are available on the abovementioned e-procurement website. FAQs are available at (http://www.eprocurement.gov.in/faqs_contractors.asp).

The Transport Commissioner reserves the right to reject any or all proposals without assigning any reason.

**Sd/-
Transport Commissioner
Government of Andhra Pradesh,
[Vijayawada]**

**GOVERNMENT OF ANDHRA PRADESH
TRANSPORT DEPARTMENT**

Tender No:

Date:

Notice Inviting Tender (NIT)

Sl.No	Name of the work	Details
1	Tender Ref Number	15021/36/IT/2020
2	Tender Title	Implementation of Centralized Smart Card with QR Code (PETGPICC) Printing and Delivery Solutions
3	Bid opening date on the website www.apecurement.gov.in	14.07.2023 & 5.00 PM
4	Last date for receiving Queries	25.07.2023 & 5.00 PM
5	Time and Date of Pre-Bid Conference	26.07.2023 & 11.00 AM
6	Response to queries latest by the Transport Department	28.07.2023 & 5.00 PM
7	Bid Document Download End date and time	01.08.2023 & 3.00 PM
8	Bid closing date and time	11.08.2023 & 3.00 PM
9	Last Date and Time for receipt of Hard copies of Bids	12.08.2023 & 3.00 PM
10	Time and date of Pre Qualification bids	13.08.2023 & 11.00 AM
11	Time and opening of Technical Qualification bids	14.08.2023 & 11.00 AM
12	Opening of Financial Bid	28.008.2023 & 11.00 AM
13	Reverse tendering and Announcement of Result	28.008.2023 & 11.00 AM
14	Tender Document Fee (Non Refundable)	Rs.20,000/-DD from any scheduled bank in favour of Chief Accounts Officer & Financial Advisor, Office of the Transport Commissioner, A.P., Vijayawada.

15	Earnest Money Deposit (EMD) as bid security in the form of Bank Guarantee	Rs. 1,21,00,000/- (Rupees One Crore Twenty One Lakhs Only) furnished by any schedule bank to Transport Commissioner, O/o. T.C., III floor, NTR Administrative Block, PNBS Complex, Vijayawada-520002
16	Contact Details	Smt Ch .Sridevi, Joint Transport Commissioner (IT), Phone No: 9154317128 Jtc_it@aptransport.org
17	Bid Validity	180 days from the last date for the submission of proposal
18	Address	Transport Commissioner, O/o. T.C., III floor, NTR Administrative Block, PNBS Complex, Vijayawada-520002

DISCLAIMER

The information contained in this Request for Proposal document (the “**RFP**”) or subsequently provided to Bidders (*as defined hereinafter*), whether verbally or in documentary or any other form by or on behalf of the Transport Department, Government of Andhra Pradesh (the “**Transport Department**”) or any of its employees or advisors, is provided to Bidders on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor invitation by the Transport Department to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in preparing and submitting their Proposals (*as defined hereinafter*). This RFP includes statements, which reflect various assumptions and assessments arrived at by the Transport Department in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This RFP may not be appropriate for all persons, and it is not possible for the Transport Department, its employees or advisors to consider the investment objectives, financial situation and particular needs of each person who reads or uses this RFP. The assumptions, assessments, statements and information provided in this RFP / Bidding Documents (*as defined hereinafter*) may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources.

Information provided in and pursuant to this RFP to the Bidders is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Transport Department accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The Transport Department, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP/Bidding Documents and/or any assessment, assumption, statement or information contained in or deemed to form part of this RFP/Bidding Documents or arising in any way for participation in connection with the bidding process in respect of the Project.

The Transport Department also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP/Bidding Documents.

The Transport Department may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP/Bidding Documents.

The issue of this RFP/Bidding Documents does not imply that the Transport Department is bound to evaluate a Bidder or to appoint the Successful Bidder, as the case may be, for the Project and the Transport Department reserves the right to reject all or any of the Bidders or Proposals without assigning any reason whatsoever.

The Bidder shall bear all costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Transport Department or any other costs incurred in connection with or relating to its Proposal. All such costs and expenses will be to the account of the Bidder and the Transport Department shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in connection with preparation or submission of the Proposal, regardless of the conduct or outcome of the bidding process.

1. INTRODUCTION

Background

The Transport Department aims to develop an efficient and effective transport administration system in the State of Andhra Pradesh and in pursuance of this objective, the Transport Department intends to implement the project for computerized and centralized printing, supply and delivery of smart card driving licenses and vehicle registration certificates to applicants, for the Transport Department of the State of Andhra Pradesh approximately 20,000 cards per day.

The Transport Department presently operates through a centralized application software and database connecting all the locations of Regional Transport Authority (RTA) offices, Unit offices, Motor Vehicle Inspector (MVI) offices, check-posts and DL Testing Tracks in the State of Andhra Pradesh. The database consists of records of approximately 160 lakh motor vehicles and 140 lakh driving licenses. On an average, the Transport Department issues 1.50 lakh vehicle registration certificates and

1.50 lakh driving license cards per month. On the basis of the number of driving licenses and registration certificates issued by the Transport Department during the financial year 2021-22, the annual increase in number of such issuances is estimated to be around 15%.

The Transport Department now proposes to change the format, material and design etc. of the cards, which are currently used for the issuance of driving licenses (DL) and vehicle registration certificates (RC) and make mandatory, the issue of driving license and vehicle registration certificates as per GSR Notification vide (Annexure-L). Further, the Transport Department contemplates home delivery of the card documents to the applicant at his address within a specified time.

The issuance of DL and RC is to be carried out as per the specifications of the Transport Department decided in accordance with the provisions laid down in the Motor Vehicles Act, 1988, the Central Motor Vehicle Rules, 1989, and the Citizens Charter of the Transport Department, Andhra Pradesh (as amended from time to time) and confirming to G.S.R. Notification vide Annexure-L.

In pursuance of the above objectives, the Transport Department has issued this RFP such that interested parties (“**Bidders**”) may submit their detailed proposals (“**Proposals**”) as per provisions of the RFP/Bidding Documents.

The Proposals would be evaluated on the basis of the evaluation criteria set out in this RFP in order to identify the successful Bidder for the Project (“**Successful Bidder**”).

The Successful Bidder shall, upon execution of the Services Agreement, the “**Service Provider**”, be responsible for implementation of the Project including the printing, supply, delivery and providing of necessary reports to the Transport Department as per requisition of smart card driving licenses and smart card vehicle registration certificates to applicants and the operation and maintenance of the infrastructure in respect of the Project.

The Transport Department shall, during the course of the bidding process, issue the draft of the services agreement to be executed between the Service Provider and the Transport Department, which shall set forth the detailed binding terms and conditions governing the Service Provider and the Transport Department, including the scope of the Service Provider's services and obligations in respect of the Project, substantially in accordance with this RFP ("**Services Agreement**").

The Transport Department shall receive Proposals pursuant to this RFP in accordance with the terms set forth in this RFP and other documents provided/to be provided by the Transport Department pursuant to this RFP, as modified, altered, amended and clarified from time to time by the Transport Department (collectively, the "**Bidding Documents**"), and all Proposals shall be prepared and submitted in accordance with such terms on or before the date specified in the clause 1.4 for submission of the Proposals (the "**Due Date**"). It is clarified that the term 'Bidding Documents' includes the draft Services Agreement for the Project which shall be executed with the Successful Bidder. The aforesaid documents and any addenda issued subsequent to this RFP, will be deemed to form part of the Bidding Documents.

Description and Scope of the Project
[Brief Description of the Project]

- (a) The Successful Bidder/Service Provider would be required to procure, print and generate PETG card body material with ISO14443 based contactless smart card (PICC) (60% PVC and 40% PETG shall be the composition of the card) driving licenses and registration certificates as per the terms and specifications of this RFP/Bidding Documents ("**Smart Cards**"), in a format specified by the Transport Department at a centralized location and secured premises and to deliver such Smart Cards to the applicants at their addresses as per the data provided by the Transport Department within a specified time and in a secured manner.
- (b) The Place for setting up of the printing unit by the service provider is proposed in the head quarters of Andhra Pradesh.
- (c) The Successful Bidder/Service Provider will be responsible for acquisition/procurement, setting up, installation, operation and maintenance of all the equipment and resources including utilities, manpower etc. at the central printing premises as may be required or necessary including for the purpose of (a) ensuring proper connectivity with the Transport Department database/server for obtaining relevant data required for printing/dispatching the Smart Cards; and (b) printing the Smart Cards and delivering them to the Applicants at their respective addresses. (c) Returning of undelivered Smart cards to the Transport Department, as per directions given from time to time. (d) Report the data regarding the undelivered cards to the Department as per requisition.
- (d) The term of the Services Agreement would be a period of 5 (five) years from the date of signing of the Services Agreement ("**Agreement Period**") and shall be renewable/extendable in accordance with the terms thereof.

Broad details of the Scope of Work

The scope of work in respect of the Project will broadly include the following:

- (i) Setting up of infrastructure required for real-time connectivity of data communication between the central printing premises and the location where the Transport Department hosts its data;
- (ii) Installation of required infrastructure for printing at the central printing premises, including computer systems and other hardware and/or electronic equipment required for printing the smart cards, software, manpower and the security features, at the premises as provided by the Transport Department in the State of Andhra Pradesh as mentioned in 1.2.1(b). **Only a structured building to be provided by the Department. The security, power connection and backup arrangements are the responsibility of the vendor, for which the Department will facilitate. Structured Building**
- (iii) Printing and generation of the smart Cards as per the data available with the Transport Department within 24 hours of being provided the same by the Transport Department, at the central printing premises. The Smart Cards so generated shall conform to the specifications as laid down in G.S.R Notification vide Annexure-N and as specified in this RFP/Bidding Documents;
- (iv) Delivery of the Smart Cards to the applicants at their addresses with advance information through SMS regarding delivery of the card, at least 24 hrs in advance **and with proper acknowledgement, by mobile OTP of applicant while delivering. Vendor can use speed post or similar, standard courier services available for meeting the needs as mentioned in the RFP.**
- (v) A tracking system on the delivery status shall be ensured stage wise with reference to stages as approved-printed-transit (District level, mandal level, village level) – Delivered. **In case of card delivery made to alternate person at the given address with proper acknowledgement, by mobile OTP of applicant while delivering. Undelivered cards have to be destined to the respective licensing authorities and maintain such record on date wise, area wise etc., and a mechanism shall be evolved to respond to the citizen with a customer care toll free number.**
 - a) 5 steps of tracking to be ensured.
 - 1) Application No. received for card printing in respect of transaction (to be specified).
 - 2) Card printed on -----date, yet to be dispatched.
 - 3) Card dispatched on ----- date, yet to be delivered.
 - 4) Card delivered on ----- date and reported to concerned DTO.
 - 5) If undelivered, undelivered card number ----- returned to concerned issuing authority on -----.
 - b) loop is closed as the card is delivered to be citizen (or) if undelivered, the card has to be sent to RTA office concerned and report to be sent to the department online.
 - c) No time of expiry for the card, vendors responsibility ceases as the card reaches the office where it is issued (office address found on the card)

- (vi) Ensuring that the central printing premises is kept open for inspection of the Transport Department and facilitation of inspection of the books and records as and when requested by the Transport Department;
- (vii) Operation and maintenance of the central printing premises including all its equipment etc. in accordance with the manner specified under this RFP; and
- (viii) Submission of MIS reports including in connection with maintenance of seamless connectivity, printing status and delivery status as required by the Transport Department.
- (ix) Packing the card and dispatching

The Smart Card after Printing shall be dispatched to the owner of Driving License or Registered Owner at the address mentioned in the records as per the Data passed on by APTD. The dispatch shall be by courier

The successful Bidder shall be responsible for Printing and preparing the cover/envelop, which shall be made of Water resistant, Chemical resistant and scratch proof material, putting the Smart Card and such other material as the **TRANSPORT COMMISSIONER** may decide in the cover and sealing the cover/envelope. **The envelope shall be 8*12 cm with top opening and shall be a “see through” type and shall carry the print as provided by the Department in multi colours. “See through” type envelope provides the address on the card to be seen from outside.**

Printing and generation of Card shall not be later than the working day next to the day the data is received by the Vendor.

Dispatch of the Card (receipt by the Speed Post) shall not be later than the working day next to the day of generation of the Card. Delivery to the Citizen shall be within 5 days from the day of dispatch.

The successful Bidder shall take utmost care to ensure that no mismatch takes place in the dispatch of Smart Cards. The Packed envelopes shall be dispatched as may be decided by the **TRANSPORT COMMISSIONER**. All the delivery process in this regard shall be the responsibility of the bidder.

The successful Bidder shall be responsible to provide pre printed envelopes as per the design approved by the **TRANSPORT COMMISSIONER**. The Bidder shall maintain complete record of all the cards dispatched on daily basis, and submit the same to the concerned DTC/RTO/Unit Office on a daily basis. The envelopes received back as undelivered shall be recorded in a separate register by the bidder. The Bidder shall procure and maintain all hardware and software relating to packing and dispatching of cards.

The successful Bidder shall be responsible to provide online delivery tracking system of the delivered cards and similar tracking system of the undelivered cards for the applicant Citizens. Each dispatch shall be provided with a tracking number to facilitate the Citizen or APTD to track the delivery of the document or otherwise.

The data relating to undelivered cards shall be provided to concerned DTC/RTO/Unit Office on a daily basis/as per requisition time to time. The undelivered cards shall reach respective RTO/DTC Office within three days from the date of attempt of delivery.

SMS SERVICE

The successful Bidder would be required to maintain the SMS service currently being delivered to the Citizens. Department may decide to increase or decrease the list of service to be delivered through the route of SMS, the Bidder would need to make appropriate changes in the system. The Bidder would also ensure security of the SMS server and that of information. The Bidder would need to bear the cost of maintaining and operating the SMS service as well as the cost of the SMS delivered, for the service on its part. **Integration with SMS gateway is required.**

5 SMS per card.

5 steps of tracking to be ensured.

- 1). Application No. received for card printing in respect of transaction (to be specified).
- 2). Card printed on ----- date, yet to be dispatched.
- 3). Card dispatched on ----- date, yet to be delivered.
- 4). Card delivered on ----- date and reported to concerned DTO.
- 5). If undelivered, undelivered card number ----- returned to concerned issuing authority on -----.

The statements and explanations contained in this RFP are intended to provide a better understanding to the Bidders about the subject matter of this RFP and should not be construed or interpreted as limiting in any way or manner the scope of services and obligations of the Service Provider set forth in the Services Agreement or the Transport Department's rights to amend, alter, change, supplement or clarify the scope of work. Consequently, any omissions, conflicts or contradictions in the Bidding Documents including this RFP are to be noted, interpreted and applied appropriately to give effect to this intent, and no claims on that account shall be entertained by the Transport Department

- (x) To ensure continuous conformity of quality of smart cards, the Transport Department reserves the right to pick up the cards, at random, and to send to the testing agencies from time to time.

Deliverables and Documents





Specifications of DL Cards:

(a) Card Size - 85.6mm x 54.02 mm +/- 2 mm; Thickness minimum 0.7 mm							
(i) PICC(Proximity Integrated Circuit Card), compliant to ISO/IEC14443 -Part1,2,3and4,ISO/IEC 7816-Part 4, 8 and 9, IS16695 (Part 1: 2018) Smart Card Template Architecture Part 1: Basic Command Set (commonly known as SCOSTA Contactless Smart Card), with card dimensions compliant to ISO/IEC 7810 ID-1 standard.							
(b) Font Style and Size specifications							
Front Side				ReverseSide			
Sr. No.	Features	Font Name	Size	Sr. No.	Features	Font Name	Size






1.	State/UT Code	Myriad Pro Regular	7pt	1.	Driving Licence Number	Myriad Pro Bold	8pt
2.	National Emblem	Symbol	7.37mm x 12.28mm	2.	QR code (As specified by Central Government in active form)	NA	15mm x 15mm
3.	Card Header	Myriad Pro Bold	9pt	3.	Invalid Carriage [#] (Regn. Numbers)	Myriad Pro Regular	7pt
4.	Driving Licence Number	Myriad Pro Bold	9pt	4.	Hazardous Validity [#]	Myriad Pro Regular	7pt
5.	Issue Date	Myriad Pro Regular	7pt	5.	Hill Validity [#]	Myriad Pro Regular	7pt
6.	Validity (NT)	Myriad Pro Regular	7pt	6.	Vehicle class table (Class of Vehicle, Code, Issued by, Date of Issue, Vehicle Category, Badge Number [#] , Badge Issued Date [#] , Badge Issued by [#])	Myriad Pro Regular	5pt
7.	Validity (TR) [#]	Myriad Pro Regular	7pt	7.	Emergency Contact Number	Myriad Pro Regular	6pt
8.	Name	Myriad Pro Regular	7pt	8.	Licensing Authority	Myriad Pro Regular	6pt
9.	Date of Birth	Myriad Pro Regular	7pt	9.	Form 7 Rule 16(2)	Myriad Pro Regular	6pt
10.	Blood Group	Myriad Pro Regular	7pt				
11.	Organ Donor	Myriad Pro Regular	7pt				
12.	Son/Daughter/ Wife of	Myriad Pro Regular	7pt				
13.	Address	Myriad Pro Regular	7pt				
14.	Date of First Issue	Myriad Pro Regular	6pt				
15.	Holder's Signature	Myriad Pro Regular	5pt				
16.	Photograph	NA	14.82 mm x 14.82 mm				
# : Both Label and Value would be blank in cases where they are not applicable or have not been opted for							

(c) Background Colour Details					
Front Side			Reverse Side		
Sr. No	Hex Code	Print colour	Sr. No.	Hex Code	Print colour
C1.	#f8951d	C: 0 M: 49 Y: 100 K:0	C1.	#ddf1fa	C:12 M: 1 Y:1 K:0
C2.	<u>Gradient Color</u> Top: #e7f5f5 Bottom: #a3daf7	<u>Gradient Color</u> Top: C:8 M: 0 Y:3 K:0 Bottom: C:33 M:1 Y:0 K:0	C2.	<u>Gradient Colour</u> Top: #e7f5f5 Bottom: #a3daf7	<u>Gradient Colour</u> Top: C:8 M: 0 Y:3 K:0 Bottom: C:33 M:1 Y:0 K:0
C3.	#edf8fc	C:6 M: 0 Y:1 K:0	C3.	#edf8fc	C:6 M: 0 Y:1 K:0

- A. The design of the card on the front side shall include the following data fields in visual form-

		Indian Union Driving Licence Issued by XXXXXXXXXXXXXXXXXXXX		
		⁵ XXXXXXXXXXXXXXXXXX		⁶  ⁷ Holder's Signature
³ Issue Date DD-MM-YYYY		^{4A} Validity(NT) DD-MM-YYYY	^{4B} Validity (TR) [#] DD-MM-YYYY	
¹ Name: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		² Date of Birth: DD-MM-YYYY Blood Group: XXXXX Organ Donor: X Son / Daughter / Wife of : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
⁸ Address: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
				Date of First Issue(DD-MM-YYYY)

- B. The design of the card on the reverse side shall include the following data fields in visual form-

DL No : XXXXXXXXXXXXXXXXXXXX							
		Invalid Carriages (Regn. Numbers) [#] XXXXXXXXXXXXXXXX Hazardous Validity [#] Hill Validity [#] DD-MM-YYYY DD-MM-YYYY					
9	10	11	12				
Class of Vehicle	Code	Issued by	Date of Issue	Vehicle Category	Badge [#] Number	Badge [#] Issued Date	Badge [#] Issued by
	MCWG	XXXXXX	DD-MM-YYYY	NT/TR	XXXXXX	DD-MM-YYYY	XXXXXX
	LMV	XXXXXX	DD-MM-YYYY	NT/TR	XXXXXX	DD-MM-YYYY	XXXXXX
	TRANS	XXXXXX	DD-MM-YYYY	TR	XXXXXX	DD-MM-YYYY	XXXXXX
	CNEQP	XXXXXX	DD-MM-YYYY	NT/TR	XXXXXX	DD-MM-YYYY	XXXXXX
Emergency Contact Number XX-XXXXXXXXXX							
Licensing Authority XXXXXXXXXXXXXXXX							

MACHINE READABLE ZONE (applicable only if opted for Smart Card)

The concerned State Governments shall provide the following features of the licence in the Machine Readable Zone, namely:-

Sr. No.	Field
1	DL Holder Personal Details :
	Driving Licence Number (DL)
	Name of the DL Holder
	Full Name of the DL Holder
	Gender
	Guardian(Mother/Father/Husband) Name
	Relation with Guardian (e.g.: S/o, W/o , D/o)
	Date of Birth (in ddmmyyyy format)
	First Identification Mark
	Second Identification Mark
	Blood Group
	Mobile Number
	Email Id
	Alternate Mobile Number
	Emergency Contact Number
	Permanent Address
	PINCODE of Permanent Address
	State Code In Permanent Address
	District Name in Permanent Address
	Sub-division/Taluk name in Permanent Address
	Village Name in Permanent address
	Present Address
	State Code in Present address
	PINCODE of Present address
	District Name in present Address
	Sub-division/Taluk Name in present Address
	Village Name in Present address
	Licence details :
	Valid From (Transport) (in ddmmyyyy format)
	Valid Till (Transport) (in ddmmyyyy format)
	Valid From (Non-Transport) (in ddmmyyyy format)
	Valid From (Non-Transport) (in ddmmyyyy format)

2	First Date of DL Issuance (in ddmmyyyy format)
	First (Original) Issuing Authority
	Date of Hazardous Validity (in ddmmyyyy format)
	Date of Hill Region validity (in ddmmyyyy format)
	Authority who issued Transport Authorization
	Transport Authorization Number
	Transport Authorization date (in ddmmyyyy format)
	Invalid carriage Vehicle Registration Number
	INVALID Carriage 2 nd Vehicle Registration Number , if any
	Invalid carriage 3 rd Vehicle Registration Number , if any
3	Class of Vehicle details :
	Class of Vehicle (COV)
	Class of Vehicle Issue Date (in ddmmyyyy format)
	Class of vehicle – Issued By (Name & Designation)
	Badge No.
	Badge Issue Date (in ddmmyyyy format)
	Badge Issued by –LA Office
4	Image details :
	Photograph of DL Holder
	Signature of DL Holder
5	Enforcement details :
	Challan/Inward Number
	Challan Date (in ddmmyyyy format)
	Endorsement Authority ID
	Endorsement Authority Name
	Section/ Rule Violated
	Disqualification Type (Suspended/Cancelled)
	Disqualification period from (in ddmmyyyy format)
	Disqualification period Up to (in ddmmyyyy format)
	Class of Vehicle that is suspended/Cancelled
	Settlement date
	Review Date (in ddmmyyyy format)
	Review Authority Name
	Remarks .”;



(a) Card Size - 85.6mm x 54.02 mm +/- 2 mm; Thickness minimum 0.7 mm							
(i) PICC (Proximity Integrated Circuit Card) if provided, compliant to ISO/IEC 14443- Part 1, 2 3 and 4, ISO/IEC 7816- Part 4, 8 and 9, IS16695 (Part 1: 2018) Smart Card Template Architecture Part 1: Basic Command Set (commonly known as SCOSTA Contactless Smart Card), with card dimensions compliant to ISO/IEC 7810 ID-1 standard.							
(b) Font Style and Size specifications							
Front side				Reverse side			
Sr. No.	Features	Font Name	Size	Sr. No.	Features	Font Name	Size
1	Category (NT/ TR)- XY	Myriad Pro Regular	7pt	1	Category (NT/TR)- XY	Myriad Pro Regular	7pt
2	State / UT Code- AB	Myriad Pro Regular	7pt	2	State / UT Code- AB	Myriad Pro Regular	7pt
3	Golden National Emblem	Symbol	7.37mm x 12.28mm	3	Vehicle Class	Myriad Pro Regular	6pt
4	Card Header	Myriad Pro Bold	8pt	4	Vehicle Type (e.g. LMV/ HMV/HGV etc)	Myriad Pro Regular	6pt
5	IC Chip (If opted for)	NA	NA	5	Registration Number	Myriad Pro Regular	6pt
6	Fuel	Myriad Pro Regular	7pt	6	QR Code (As specified by the Central Government in active Form)	NA	15 mm x 15mm
7	Emission Norms	Myriad Pro Regular	7pt	7	Month & Year of Mfg.	Myriad Pro Regular	5.5pt
8	Registration Number	Myriad Pro Bold	7pt	8	Number of Cylinders	Myriad Pro Regular	5.5pt
9	Date of Registration	Myriad Pro Bold	7pt	9	Number of Axle [#]	Myriad Pro Regular	5.5pt
10	Registration Validity* (to be printed "As per Fitness" for Transport/Commercial Vehicle)	Myriad Pro Bold	7pt		Maker's Name	Myriad Pro Regular	5.5pt
11	Chassis Number	Myriad Pro Regular	7pt	11	Model Name	Myriad Pro Regular	5.5pt
12	Engine /Motor Number	Myriad Pro Regular	7pt	12	Colour	Myriad Pro Regular	5.5pt
13	Owner Name	Myriad Pro Regular	7pt	13	Body Type	Myriad Pro Regular	5.5pt
14	Son/ Daughter/ Wife	Myriad Pro Regular	7pt	14	Seating (in all) Capacity	Myriad Pro Regular	5.5pt

15	Address	Myriad Pro Regular	7pt	15	Standing Capacity [#]	Myriad Pro Regular	5.5pt
16	Card Issue Date	Myriad Pro Regular	6pt	16	Sleeper Capacity [#]	Myriad Pro Regular	5.5pt
17	Owner Serial	Myriad Pro Regular	7pt	17	Unladen Weight (kg)	Myriad Pro Regular	5.5pt
				18	Laden Weight [#] (kg)	Myriad Pro Regular	5.5pt
				19	Gross Combination Weight [#] (kg)	Myriad Pro Regular	5.5pt
				20	Cubic Capacity (Kw)	Myriad Pro Regular	5.5pt
				21	Horse Power (BHP)	Myriad Pro Regular	5.5pt
				22	Wheel Base (mm)	Myriad Pro Regular	5.5pt
				23	Financer name [#]	Myriad Pro	5.5pt
				24	Registering Authority's	Myriad Pro	5.5pt
				25	Form 23A	Myriad Pro Regular	6pt
# : Both Label and Value would be blank in cases where they are not applicable or have not been opted for							


(c) Background Colour Details					
Front Side			Reverse Side		
Sr. No.	Hex Code	For Print Media	Sr. No.	Hex Code	For Print Media
C1.	#44c7f1	C:60 M:0 Y:1 K:0	C1.	#44c7f1	C:60 M:0 Y:1 K:0
C2.	#f8951d	C:0 M: 49 Y:100 K:0	C2.	#f8951d	C:0 M: 49 Y:100 K:0
C3.	<u>Gradient Colour</u> Top: # e7f5f5 Bottom:#a3daf7	<u>Gradient Colour</u> Top: C:8 M: 0 Y:3 K:0 Bottom:C:33 M:1 Y:0 K:0	C3.	<u>Gradient Colour</u> Top: # e7f5f5 Bottom:#a3daf7	<u>Gradient Colour</u> Top: C:8 M: 0 Y:3 K:0 Bottom:C:33 M:1 Y:0 K:0
C4.	<u>Gradient Colour</u> Top: #ffffff Bottom:#cbe5ef	<u>Gradient Colour</u> Top: C:0 M: 0 Y:3 K:0 Bottom:C:9 M:2Y:3 K:0	C4.	<u>Gradient Colour</u> Top: #ffffff Bottom:#cbe5ef	<u>Gradient Colour</u> Top: C:0 M: 0 Y:3 K:0 Bottom:C:9 M:2Y:3 K:0

FORM FOR CERTIFICATION OF REGISTRATION

- The design of the card on the front side shall include the following data fields in visual form:

Indian Union Vehicle Registration Certificate Issued by XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		XY 1	AB 2
  Fuel XXXXXXXXXXXXXXXXXX Emission Norms XXXXXXXXXXXXXXXXXX	Regn. Number XXXXXXXXXXXX Chassis Number XXXXXXXXXXXXXXXXXXXX Engine / Motor Number XXXXXXXXXXXXXXXXXXXX Owner Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Son / Wife / Daughter of (in case of Individual Owner) XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Address XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Date of Regn. DD-MM-YYYY Regn. Validity* DD-MM-YY Owner Serial XX	Card Issue Date (DD-MM-YYYY) 16 C4

- The design of the card on the reverse side shall include the following data fields in visual form:

Vehicle Class: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX (XXX)		XY 1	AB 2
Regn. Number XXXXXXXXXXXX  Month-Year of Mfg. MM-YYYY Number of Cylinders XX Number of Axle# XX	Maker's Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Model Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Colour XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Body Type XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Seating (in all) / Standing# / Sleeper# Capacity XXX / XXX / XXX Unladen / Laden# / Gross Combination# Weight (kg) XXXXX / XXXXX / XXXXX Cubic Capacity / Horse Power(BHP/Kw) XXXXX / XXXXX Financer Name# XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Wheel Base(mm) XXXXX	Form 23A
Registration Authority XXXXXXXXXXXXXXXXXXXX			

MACHINE READABLE ZONE (applicable only if opted for Smart Card)

The following features of the Registration Certificate shall be provided in the Machine Readable Zone, namely:-

Sr. No.	Field
1	Registration Details :
	Registration Number
	Registration Date (in ddmmyyyy format)
	Purchase Date (in ddmmyyyy format)
	Registration Type (N, A, O, D)
	Registration Validity (in ddmmyyyy format)
	(To be stored "As per Fitness" for Transport / Commercial vehicle)
	Dealer Name
	Registering Authority Name
2	Personal Details :
	Owner Name
	Son/Wife /Daughter of (if Individual)
	Owner Current Address
	Owner Permanent Address
	Owner Serial No.
	Ownership Type
3	Vehicle Details :
	Vehicle Class
	Maker/Manufacturer
	Model
	No. of Cylinder
	Horse Power (format 99999.99)
	Seating Capacity
	Standing Capacity
	Sleeper Capacity
	Unladen Weight (kg)
	Laden Weight (kg)
	Gross Combination Weight, if applicable (kg)
	Wheelbase (mm)
	Cubic Capacity (format 99999.99)
	Floor Area (sq m) (format 999.999)
	Fuel
	Chassis No

	Engine No
	Body Type
	Colour
	Manufacturing Month & Year (mmyyyy)
	Sale Amount
	Emission Norms
	Height (mm)
	Length (mm)
	Width (mm)
	AC Fitted (Y/N)
	Video Fitted (Y/N)
	Audio Fitted (Y/N)
4	Axle Details of Transport Vehicle :
	Number of Axle
	Number of Tyre – Front Axle
	Number of Tyre – Rear Axle
	Number of Tyre – Tandem Axle
	Number of Tyre – Other Axle
	Front Axle (Description and Size of Tyre)
	Rear Axle (Description and Size of Tyre)
	Tandem Axle (Description and Size of Tyre)
	Other Axle (Description and Size of Tyre)
	Front Axle Weight (kg)
	Rear Axle Weight (kg)
	Tandem Axle Weight (kg)
	Other Axle Weight (kg)
	Overhang
	Rearhang
	5
Number of attached Semi-Trailers	
Attached Trailer(s) Registration Mark	
6	Additional Details of Linked Horse Vehicle No. (if this RC is of Semi-Trailer/Trailer) :
	Horse Vehicle Registration Mark, if applicable
7	Hypothecation Details*3 :
	Name of Financier
8	Challan Details*40 :
	Challan No.

	Accused category (D – Driver, C – Conductor, O – Owner)
	Section (s) (code only with delimiter “,”, if more than 1)
	Challaning Officer Name
	Location
	Challan Date & Time in ddmmyyyy /hh-mm format
	Disposing Officer Name
	Penalty
	Receipt No.
9	Permanent Permit Details :
	Permit Number
	Permit Type (Description)
	Permit Issuing Authority Name
	Validity From (in ddmmyyyy format)
	Validity Up to (in ddmmyyyy format)
	Replacement Date (in ddmmyyyy format)
	Area (e.g. Local, Distt, Region, State etc.)
	Route From
	Route Up to
	Stages
	Route Length (km)
	Number of Trips per day
10	Details of alternative or additional Semi-Trailer(s) registered with an articulated vehicle (Registration No same as articulated vehicle) :
	Body Type
	Unladen Weight (kg)
	Laden Weight (kg)
	Chassis No
	Front Axle (Number, Description and Size of Tyre)
	Rear Axle (Number, Description and Size of Tyre)
	Tandem Axle (Number, Description and Size of Tyre)
	Other Axle (Number, Description and Size of Tyre)
	Front Axle Weight (kg)
	Rear Axle Weight (kg)
	Tandem Axle Weight (kg)

	Other Axle Weight (kg)
11	Retro Fitting Details :
	Kit Manufacturer
	Kit Type
	Kit Workshop
	Kit Serial Number
	Kit PUCC Norms
	Workshop License No
	Fitment Date (in ddmmyyyy format)
	Hydro Test Date (in ddmmyyyy format)
	Cylinder Serial Number.”;

I. Specifications of Smart Card type Driving Licence and Registration Certificate.-

- (a) Proximity Integrated Circuit Card (PICC, commonly known as contactless smartcard).
- (b) PICC shall also be compliant to ISO/IEC 7816-4, 8 and 9, IS-16695 Part I, 2018 (commonly known as SCOSTA).
- (c) Minimum 10 years data retention for the non-volatile memory in the form of EEPROM or FLASH.
- (d) Minimum 300,000 write cycles endurance for the non-volatile memory.
- (e) The hardware (controller) shall be in compliance and certified to be EAL4+ (or higher) common criteria certificate along with security target of evaluation of microcontroller (in case of ROM based OS implementation) or of the microcontroller along with Boot loader/Flash loader/Smart Program/Boot Program (in case of Flash based OS implementation) under the Common Criteria Certificate. The common Criteria Certificate refers to BSI-CC-PP-0035-2007/BSI-CC-PP-0084- 2014 (or newer) Protection profile.
- (f) The operating system shall be loaded in the Flash Memory or in the ROM with the chip at wafer level in the facility fully owned by the chip manufacturer and shall be locked at that facility in a way that it cannot be altered, modified, erased or deleted either selectively or wholly. (an embedded hologram on the DL/RC card with AP Government logo has to be provided, as an additional feature).
- (g) Operating ambient temperature range -25C to+55C.
- (h) For PetG plastic construction, with overlay to allow colour dye sublimation printing.

II. Material Specifications for Driving License and Registration Certificate-

- (a) **Dimension of the Card.-** The cards used for the Driving License and Registration Certificate shall be compliant to ISO/IEC 7810 standard as defined for ID-1 unused and returned cards. The tolerances, edge burrs etc. shall be as defined for the ID-1 cards in ISO/IEC 7810 section 5. All dimensions of the card shall be measured as per the ISO/IEC 10373-1 standard as defined in section 5.2 under the standard testing conditions as defined in ISO/IEC 10373-1.
- (b) **Card War page and Surface Distortion. -** The maximum distance from a flat rigid plate to any portion of the convex surface of the card shall not be greater than 1.5 mm including the card thickness. Further, the difference between the maximum and minimum thickness of the finished card shall not be more than 0.10mm. For measuring the maximum and

minimum thicknesses, the contact chip shall also be considered. Thus, no point of the entire IC contact surface shall be higher than 0.10 mm above or lower than 0.10 mm below the adjacent surface of the card. The test shall be carried out using the standard measurement method as described in ISO/IEC 10373-1.

- (c) **Card Material and Construction.** - The cards shall be made of PetG. The card construction shall be made of bonded materials with inserts of the ISO 14443 compliant contactless chip with associated antenna (for PICC), if provided.

- (d) **Card Characteristics.** - The card characteristics shall be as defined in ISO/IEC 7810 standard as outlined here:-

(i) **Bending Stiffness.** -

- 1) The bending stiffness shall be as defined in ISO/IEC 7810. The test procedures shall be as described in ISO/IEC 10373-1 section 5.7. For carrying out the bending stiffness test, the cards shall be exercised in the following four configurations, namely:-

- a) With the embedded chip facing upward and the edge of the card closer to the chip placed towards the clamping device.
- b) With the embedded chip facing upward and the edge of the card closer to the chip placed away from the clamping device.
- c) With the embedded chip facing downward and the edge of the card closer to the chip placed towards the clamping device.
- d) With the embedded chip facing downward and the edge of the card closer to the chip placed away from the clamping device.

- 2) The maximum permitted bending deformation shall be identical in all the four configurations.

- (ii) **Resistance to chemicals.** - Cards shall be resistant to the chemicals as described in ISO/IEC 7810 section 8.4. The chemical resistance shall be tested as per the procedure outlined in ISO/IEC 10373-1 section 5.4, using reagents both for short-term and long-term contamination.

(iii) **Storage Requirements.** -

- 1) The card characteristics as defined in this section of the document shall remain unaltered for the following range of temperature and humidity as storage requirements, namely:-

- a) Temperature range of 5-40°C.
- b) Relative humidity range of 10-85%.

- 2) The cards shall be tested for the bending stiffness after exposing it to the following two environment conditions, namely:-

- a) 5°C at 10%RH, and
- b) 40°C at 85%RH.

- 3) The exposure for each of these two conditions shall be for one hour in the environment. This test only establishes the card characteristics and does not establish any print quality characteristics, which are defined later.

- (iv) **Peel Strength.** - The peel strength of the component layers of the card material shall be as per the minimum specified in ISO/IEC 7810 section 8.8. The peel strength shall be tested as per the procedure outlined in ISO/IEC 10373-1 section 5.4 with a peeling angle of 90°.

(v) **Adhesion Resistance.**–

- 1) When finished cards are stacked together in a stock of 5 cards and applied 1.5Kg dead weight from the top, kept for 7days at $40\pm 3^{\circ}\text{C}$, 80%RH, no card shall show any adverse effect such as delamination, discolouration or colour transfer to adjacent cards, changes to surface finish, transfer of material from one card to another and deformation. The physical dimension of the all cards shall remain as described in section 5 of this document.
- 2) The cards shall be tested for easy separation by hand for randomly chosen cards in the middle of the stack and will be inspected visually for the colour transfer, discolouration, changes in the surface finish etc. The dimension of the cards, card, warpage and surface distortion after each test shall be tested to be within the limits as described in this document.

(e) **Dynamic Bending.**–The cards shall be tested for dynamic bending as per the procedure outlined in ISO/IEC 10373-1 section 5.8. The h_v and h_w parameters shall be used as defined in ISO/IEC 10373-1 (i.e. 2mm and 20mm for bending along axis B, and 1mm and 10mm for bending along axis A). The cards shall continue to work electronically after the test is performed with 250 bending each along axis A and axis B and with card contacts facing upwards as well as downwards. The cards shall be tested after the cycle of 1000 bending tests for the following, namely:-

- (i) The dimensions of the card.
- (ii) Card warpage and surface distortion.
- (iii) The presence of Answer to Reset (ATR) or Answer to Select (ATS) sequence after insertion in the ISO7816-3 compliant interface device (IFD) or ISO14443-4 compliant proximity coupling device (PCD), as the case maybe.
- (iv) The contact resistance being within the limits for all contact pads for an ICC.

(f) **Dynamic Torsional Stress.**–The cards shall be subjected to dynamic torsional stress test as outlined in ISO/IEC 10373-1 section 5.9. The parameters shall be as defined in ISO/IEC 10373-1. After the cycle torsional stress application, the cards shall be tested for the following, namely:-

- (i) The dimension of the card.
- (ii) Card warpage and surface distortion.
- (iii) The presence of Answer to Reset (ATR) or Answer to Select (ATS) sequence after insertion in the ISO7816-3 compliant interface device (IFD) or ISO14443-4 compliant proximity coupling device (PCD), as the case maybe.
- (iv) The contact resistance being within the limits for all contact pads for an ICC.

(g) **Stability against UV Exposure.**–The pre-printed layers of the card material shall show visible degradation of the print quality under the following conditions, namely:-

- (i) Exposure to UV lighting for 21 minutes at UV irradiance of 0.12 mW/mm^2 at 254nm wave length.
- (ii) The cards shall be exposed to such UV light source as per the testing procedure defined in ISO/IEC 10373-1 section 5.11. After the exposure cycle, the cards shall be tested for the following, namely:-
 - 1) The dimension of the card.
 - 2) Card warpage and surface distortion.
 - 3) Bending stiffness test.

- 4) The contact resistance being within the limits for all contact pads for an ICC.
- 5) Visual print quality for the pre-printed layers, which shall not show any visible degradation, discolouring, change of surface finish or delamination.

(h) Print Quality. –

- (i) The print shall be verified for the visual appearance of the pre-printed layers, which must not show any visible degradation, discolouring, change of the surface finish, change of the surface colours, and presence of visible unwanted colour marks under the following conditions, namely:-

- 1) Temperature of 0°C with a relative humidity of 10%.
- 2) Temperature of 46°C with a relative humidity of 90%.

- ii. The temperature and relative humidity shall be established in the environment control chambers and the cards shall be exposed for 20 minutes in the corresponding environment condition. After the exposure, the card shall be visually inspected for the print quality on the pre-printed layers of the card material.

III. Specifications for Printing on the finished card surface.-

- (a) **Printing Requirements on finished cards.-** The finished cards shall be as per the specifications outlined in this document. The finished cards shall then be subjected to personalisation – electronic as well as visual on the card surfaces. Typically, dye sublimation printing is used for visual personalisation. These tests shall be performed after printing on the card surfaces – both bottom as well as top, using the standard card printers being used in the field for visual personalisation. The printing of text and photograph for the testing shall be as typical of any driving license and vehicle registration certificate and as specified in the visual layout for the same.

(b) Ink Adhesion.-

- (i) The personalized printing on the cards shall show good quality ink adhesion as indicated below. (Ref: IPC-TM-650 Test Method Number 2.4.1 for Adhesion Tape testing).
- (ii) With the tape and procedure as described in the test method, the evaluation shall be carried out. The visual examination of the tape used for the testing and the test area of the substrate will be carried out for the ink adhesion performance of the specimen in the following grades
, namely:-
 - 1) **Grade 1:** No removal of ink (tape will not show any marking of the ink when peeled off).
 - 2) **Grade 2:** Slight removal of ink (tape will show markings of the ink but the ink impressions on tape adhesive side will not be readable) amounting to <10% of ink removal.
 - 3) **Grade 3:** High removal of ink (the ink impression on the tape adhesive side will be readable) amounting to more than 10% of ink removal.

(c) Exposure to the environmental parameters.-

- (i) The visually personalized cards shall be tested for ink adhesion after exposing it to the following two environment conditions, namely:-
 - 1) 5°C at 10% RH; and
 - 2) 40°C at 85% RH.

- (ii) The exposure for each of these two conditions shall be for one hour in the environment and
The ink adhesion test will be performed immediately after the exposure. The specimen shall show Grade 1 quality for both tests.

(d) Exposure to UV. -The visually personalised cards shall be exposed to UV lighting for 21 minutes at UV irradiance of 0.12 mw/mm² at 254nm wavelength as per the testing procedure defined in ISO/IEC10373-1section5.11.Immediately after the exposure cycle, the visual personalisation shall be tested for the ink adhesion. The specimen shall show Grade 2 or Grade 1 quality for the test.

Stacking and layering. – When visually personalised cards are stacked together in a stock of 5 cards and applied 1.5 Kg dead weight from the top, kept for 2 days at 40 ± 3°C, 80% RH, no printing on the card surfaces shall show any adverse effect discolouration or colour transfer to adjacent cards. The cards after subjecting to this test shall be tested for ink adhesion. The specimen shall show Grade1quality for the test.”.

Penalty Clauses

The successful bidder shall takes utmost care to ensure that the quality of the card and delivery and the time lines for delivery are promptly followed without any deviation. To ensure that the quality and timelines are maintained as per the RFP, the following penalty structure is provided:

- a) There should be 99% compliance on the time of printing and dispatch of the cards. If more than 1% of the cards are delayed beyond the specified day for dispatch there shall be a penalty of Rs.5/- per card per day of delay.
- b) If any card randomly picked up as per clause (x) of 1.2.2 is found to be not meeting the specifications in the RFP, on examination by any of the testing agencies, there shall be a penalty of Rs.10,000/-. If such instance arises more than 3 times during the period of contract, the Transport Department reserves the right to have a review of the contract for termination or revision of the terms.
- c) If any of the citizens who receive the card complain about the damage to the card or quality of printing, and the Department conforms the same, the card shall be replaced and dispatched at free of cost.

Brief Description of the Bidding Process

The Transport Department has adopted two stage Bidding with Two to Six weeks gap- three cover process for selection of the Successful Bidder for the Project. Bidders would need to submit the following 3 (three) sets of documents in separate sealed envelopes as part of their Proposal:

First stage

- (a) Documents relating to establishing the qualification of the Bidder in terms of the qualification criteria set out in this RFP Document (“**Qualification Submissions**”);
- (b) Documents relating to technical aspects of the project (“**Technical Proposal**”); and

- (c) Financial proposal (“**Price Proposal**”) for the Project.

Bidders are invited to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective Proposals including implementation of the Project.

The evaluation of the Proposals will be carried out in four stages in the following manner:-

- (a) The first stage would involve a test of responsiveness based on which Qualification Submissions would be evaluated.
- (b) In the second round, the information, relating to the experience and financial capability of the Bidders whose Qualification Submissions were responsive, would be evaluated. Bidders that meet the experience and financial capability criteria as set out in this RFP shall be shortlisted (“**Qualified Bidders**”) for further evaluation.
- (c) In the third round, the Technical Proposals from Qualified Bidders would be evaluated to ascertain conformance with the technical requirements of the Project. Only those Bidders whose Technical Proposals are found to be in conformity with the technical requirements of the Project (“**Technically Qualified Bidders**”) would be considered for evaluation in the next stage.
- (d) In the fourth round, the Price Proposals of the Technically Qualified Bidders would be evaluated based on the evaluation criteria specified for evaluation of the Price Proposal in order to identify the Successful Bidder.

Bids are invited for the Project on the basis of the lowest Price per Smart Card.

Generally, the Technically Qualified Bidder whose quoted Price per Smart Card is the lowest (“**Shortlisted Bidder**”) shall be declared the ‘Successful Bidder’. The remaining Technically Qualified Bidders shall be kept in reserve and may, in accordance with the process specified in Clause

3.6.3 of this RFP, be invited to match the Price Proposal submitted by the Shortlisted Bidder in case such Shortlisted Bidder withdraws or is not selected for any reason. [Provided however that the reasons for the Shortlisted Bidder not being selected shall be recorded in writing by the Transport Department.] In the event that none of the other such Technically Qualified Bidders match the Price Proposal of the Shortlisted Bidder, the Transport Department may, in its discretion, either invite fresh Proposals from the remaining Technically Qualified Bidders or annul the bidding process.

Details of the process to be followed as part of the Bidding Process and the terms thereof are further spelt out in this RFP.

Any queries or request for additional information concerning this RFP shall be submitted in writing by

speed post / courier / special messenger and by e-mail so as to reach the officer designated in Clause

1.5.6 by the date specified in Clause. The envelopes / communication shall clearly bear the following identification/ title:

“Queries/Request for Additional Information: RFP for the Smart Card Project”

Schedule of Bidding Process

The Transport Department shall endeavour to adhere to the following schedule: [*Comment: To be reviewed and confirmed by the Transport Department.*]

Sl.No	Name of the work	Details
1	Tender Ref Number	15021/36/IT/2020
2	Tender Title	Implementation of Centralized Smart Card with QR Code (PETGPICC) Printing and Delivery Solutions
3	Bid opening date on the website www.apecurement.gov.in	14.07.2023 & 5.00 PM
4	Last date for receiving Queries	25.07.2023 & 5.00 PM
5	Time and Date of Pre-Bid Conference	26.07.2023 & 11.00 AM
6	Response to queries latest by the Transport Department	28.07.2023 & 5.00 PM
7	Bid Document Download End date and time	01.08.2023 & 3.00 PM
8	Bid closing date and time	11.08.2023 & 3.00 PM
9	Last Date and Time for receipt of Hard copies of Bids	12.08.2023 & 3.00 PM
10	Time and date of Pre Qualification bids	13.08.2023 & 11.00 AM
11	Time and opening of Technical Qualification bids	14.08.2023 & 11.00 AM
12	Opening of Financial Bid	28.08.2023 & 11.00 AM

13	Reverse tendering and Announcement of Result	28.08.2023 & 11.00AM
14	Tender Document Fee (Non Refundable)	Rs.20,000/-DD from any scheduled bank in favour of Chief Accounts Officer & Financial Advisor, Office of the Transport Commissioner, A.P., Vijayawada.
15	Earnest Money Deposit (EMD) as bid security in the form of Bank Guarantee	Rs. 1,21,00,000/- (Rupees One Crore Twenty One Lakhs Only) furnished by any schedule bank to Transport Commissioner, O/o. T.C., III floor, NTR Administrative Block, PNBS Complex, Vijayawada-520002
16	Contact Details	Smt Ch .Sridevi, Joint Transport Commissioner (IT), Phone No: 9154317128 Jtc_it@aptransport.org
17	Bid Validity	180 days from the last date for the submission of proposal
18	Address	Transport Commissioner, O/o. T.C., III floor, NTR Administrative Block, PNBS Complex, Vijayawada-520002

Pre-Proposal Meeting

To clarify and discuss issues with respect to the Project and the RFP, the Transport Department may hold Pre-Proposal meeting(s). The Transport Department will endeavour to hold the Pre-Proposal meeting as per bidding schedule specified in Clause 1.4 above.

The date, time and venue of the Pre-Proposal Meeting shall be:

Date: 26/07/2023

Time: 11.00 A.M

Venue: Office of Transport Commissioner,
III floor, NTR Administrative Block, PNBS Complex, Vijayawada-520002

Prior to the Pre-Proposal meeting(s), the Bidders may submit a list of queries and propose deviations, if any, to the Project requirements and/or the Services Agreement. Bidders must formulate their queries and forward the same to the Transport Department as per the time schedule set out in Clause 1.4 above. The Transport Department may, in its sole discretion or based on inputs provided by Bidders that it considers acceptable, amend the RFP.

Bidders may note that the Transport Department will not entertain any deviations to the RFP at the time of submission of the Proposal or thereafter. The Proposal to be submitted by the Bidders would

have to be unconditional and unqualified and the Bidders would be deemed to have accepted the terms and conditions of the Bidding Documents with all its contents including the draft Services Agreement.

Any conditional Proposal shall be regarded as non-responsive and would be liable for rejection.

Attendance of the Bidders at the Pre-Proposal meeting is not mandatory.

All correspondence / enquiries are to be submitted at the co-ordinates indicated below, by email:

Kind Attention	Commissioner for Transport, Government of Andhra Pradesh
Address	III Floor, NTR Administrative Block, Pandit Jawaharlal Nehru Bus complex, Vijayawada, Andhra Pradesh, 520002.
Email	tc@aptransport.org , jtc_it@aptranspot.org

The Transport Department shall make available its responses, including a description of the enquiry, but without identifying its source, on the e-procurement website and/or its website. In addition, the Transport Department may choose to send to all Bidders, written copies of such responses to all the Bidders. No interpretation, revision, or other communication from the Transport Department regarding this solicitation is valid unless it is in writing and is signed by a person not less than the rank of the Commissioner for the Transport Department.

2. INSTRUCTIONS TO BIDDERS

A. GENERAL

General terms of Bidding

No Bidder shall submit more than one Proposal for the Project. A Bidder shall not be entitled to submit another Proposal, either directly or through its affiliate.

This RFP and the Bidding Documents are being provided only as a preliminary reference document by way of assistance to the Bidders who are expected to carry out their own surveys, investigations and other detailed examination of the Project before submitting their Proposals.

Notwithstanding anything to the contrary contained in this RFP, the detailed terms specified in the draft Services Agreement shall have overriding effect; provided, however, that any conditions or obligations imposed on the Bidder hereunder shall continue to have effect in addition to its obligations under the Services Agreement.

The Proposal shall consist of (a) the Qualification Submissions; (b) Technical Proposals; and (c) the Financial Proposal, which shall be inclusive of all applicable taxes, to be quoted by the Bidder as per the terms and conditions of this RFP. The Financial Proposal should indicate the amounts mentioned therein, in both figures and words, in Indian Rupees, and signed by the Bidder's authorised signatory. In the event of any difference between figures and words, the amount indicated in words shall be taken into account.

The Bidder shall deposit a Bid Security of **Rs. 1,21,00,000/- (Rupees One Crore Twenty One Lakhs only)** in accordance with the provisions of this RFP.

The Bidder should submit a Power of Attorney as per the format at Annexure –A authorizing the signatory of the Proposal to commit the Bidder.

Any condition or qualification or any other stipulation contained in the Proposal shall render the Proposal liable to rejection as non-responsive.

The Proposal and all communications in relation to or concerning the Bidding Documents and the Proposal shall be in English language.

The documents including this RFP and all attached documents, provided by the Transport Department are and shall remain or become the properties of the Transport Department and are transmitted to the Bidders solely for the purpose of preparation and the submission of a Proposal in accordance herewith. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Proposal. The provisions of this Clause shall also apply mutatis mutandis to Proposals and all other documents submitted by the

Bidders, and the Transport Department will not return to the Bidders any Proposal, document or any information provided along therewith.

A Bidder shall not have a conflict of interest (the “**Conflict of Interest**”) that affects the bidding process. Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, the Transport Department shall be entitled to encash and appropriate the Bid Security or Performance Security, as the case may be, as mutually agreed genuine pre-estimated loss and damage likely to be suffered and incurred by the Transport Department and not by way of penalty for, *inter alia*, the time, cost and effort of the Transport Department, including consideration of such Bidder’s Proposal (the “**Damages**”), without prejudice to any other right or remedy that may be available to the Transport Department under the Bidding Documents and/or the Services Agreement or otherwise. Without limiting the generality of the above, a Bidder shall be deemed to have a Conflict of Interest affecting the bidding process, if:

- (a) The Bidder, or its Associate (or any constituent thereof) and any other Bidder, any of its Associate (or any constituent thereof) have common controlling shareholders or other ownership interest. Provided that this disqualification shall not apply in cases where the direct or indirect shareholding of a Bidder, its Associate (or any shareholder thereof having a shareholding of not more than 25% (twenty five percent) of the paid up and subscribed share capital of such Bidder or Associate thereof, as the case may be) in the other Bidder, its Member or Associate, as the case may be, is not more than 25% (twenty five percent) of the subscribed and paid up equity share capital thereof; provided further that this disqualification shall not apply to any ownership by a bank, insurance company, pension fund or a public financial institution referred to in section 4A of the Companies Act, 1956. For the purposes of this Clause, indirect shareholding held through one or more intermediate persons shall be computed as follows: (aa) where any intermediary is controlled by a person through management control or otherwise, the entire shareholding held by such controlled intermediary in any other person (the “**Subject Person**”) shall be taken into account for computing the shareholding of such controlling person in the Subject Person; and (bb) subject always to sub-clause (aa) above, where a person does not exercise control over an intermediary, which has shareholding in the Subject Person, the computation of indirect shareholding of such person in the Subject Person shall be undertaken on a proportionate basis; provided, however, that no such shareholding shall be reckoned under this sub-clause (bb) if the shareholding of such person in the intermediary is less than 26% (twenty six percent) of the subscribed and paid up equity shareholding of such intermediary; or
- (b) such Bidder; or
- (c) any Associate thereof receives or has received any direct or indirect subsidy, grant, concessional loan or subordinated debt from any other Bidder or Associate thereof, or has provided any such subsidy, grant, concessional loan or subordinated debt to any other Bidder or any Associate thereof; or

- (d) such Bidder has the same legal representative for purposes of the Proposal as any other Bidder; or
- (e) such Bidder, or any Associate thereof, has a relationship with another Bidder, or any Associate thereof, directly or through common third party/ parties, that puts either or both of them in a position to have access to each other's information about, or to influence the Proposal of either or each other; or
- (f) such Bidder or any Associate thereof has participated as a consultant to the Transport Department in the preparation of any documents, design or technical specifications of the Project.

Explanation 1: For purposes of this RFP, the term 'Associate' means, in relation to the Bidder, a person who controls, is controlled by, or is under the common control with such Bidder (the "**Associate**"). As used in this definition, the expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty percent) of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person by operation of law.

A Bidder shall be liable for disqualification and forfeiture of Bid Security if any legal, financial or technical adviser of the Transport Department in relation to the Project is engaged by the Bidder or any Associate thereof, as the case may be, in any manner for matters related to or incidental to such Project during the bidding process or subsequent to the (i) issue of the LOA or (ii) execution of the Services Agreement. In the event any such adviser is engaged by the Successful Bidder or Service Provider, as the case may be, after issue of the LOA or execution of the Services Agreement for matters related or incidental to the Project, then notwithstanding anything to the contrary contained herein or in the LOA or the Services Agreement and without prejudice to any other right or remedy of the Transport Department, including the forfeiture and appropriation of the Bid Security or Performance Security, as the case may be, which the Transport Department may have there under or otherwise, the LOA or the Services Agreement, as the case may be, shall be liable to be terminated without the Transport Department being liable in any manner whatsoever to the Successful Bidder or Service Provider for the same. For the avoidance of doubt, this disqualification shall not apply where such adviser was engaged by the Bidder or its Associate in the past but its assignment expired or was terminated prior to the issuance of this RFP. Nor will this disqualification apply where such adviser is engaged after a period of 2years from the date of commercial operation of the Project.

This RFP is not transferable.

Any award of Project pursuant to this RFP shall be subject to the terms of Bidding Documents.

Requirements for Bidders

Pre-Qualification Criteria

- (a) The Bidder shall be required to comply with the following pre-qualification criteria for being eligible to submit the Proposal:

Sl. No.	Description of Prequalification criteria	Documents to be submitted by the bidder conforming compliance
1	The bid shall be submitted by only the bidder. No consortium is allowed.	Declaration in this regard needs to be submitted by the bidder.
2	Net worth : <u>Rs. 30.25 Crs</u>	Extracts from the audited Balance sheet and Profit & Loss Account of the Bidder in the format prescribed in Annexure I or Certificate from the statutory auditor certifying the compliance of the pre-qualification criteria. The turnover refers to the bidder's firm and not the composite turnover of its subsidiaries/sister concerns etc.
3.	The bidder shall have average gross annual turnover of <u>Rs. 30.25 Crores</u> or above over the last <u>Five</u> years of financial year ending 31.03.2022.	Extracts from the audited Balance sheet and Profit & Loss Account of the Bidder in the format prescribed in Annexure I or Certificate from the statutory auditor certifying the compliance of the pre-qualification criteria. The turnover refers to the bidder's firm and not the composite turnover of its subsidiaries/sister concerns etc
4	The bidder shall have experience in personalization of atleast 25 million cards , during the last <u>Five</u> years of financial year ending 31.03.2022 of which atleast 10 million shall be PETG / PVC or both	Work orders confirming year and area of activity
5	The bidder must have implemented /commissioned atleast two projects, in the	Valid work order and certificate from the client in implementation/commissioning of

	field of card printing, during the last <u>five</u> years of financial year ending 31.03.2022.	the projects
6	The printing facility	
7	The bidder shall be as a single Company incorporated under the Companies Act, 1956 and in operation for atleast <u>Five</u> years as on <u>31.03.2022</u> and shall have the Registered office in India.	The bidder has to submit valid proof of the following: (a) Certificate of incorporation (b) Memorandum and articles of Associations (c) Certificate of commencement(i) Certificate consequent to change of name, if applicable (b) Relevant legal documentation conforming the acquisition/merger, if any (d) Copy of PAN (e) Copy of the service tax Registration.
8	The bidder must have on its roll, atleast 25 technically qualified personnel in combination with any of the following fields. a) System integration b) IT security c) Card personalisation/printing d) Delivery/ despatch	Self certification by the authorised signatory with clear declaration of the number of staff-year wise, Level, designation wise
9	The bidder shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted with any of the central/state governments or their agencies.	Self certification conforming that bidder has not been blacklisted by any Government or any Governmental agency/department
10	The bidder shall have the following requirements. a) ISO for quality, security and service management systems	Valid copy of the Certification stating the location from authorised certificate authorities
11	The bidder must have submitted the Bid security	Bid Security Rs. 1,21,00,000/-
12	The bidder shall furnish, as part of its bid, an EMD of <u>Rs. 1.21.00.000/-</u> . in the form of a DD in favour of Transport Commissioner Payable at Andhra Pradesh, Vijayawada.	The EMD shall be in Indian Rupees

Proposal and its Contents

The Bidder shall submit the documents/information listed in sub-clauses (a) and (b) of this Clause (collectively “**Qualification Submissions**”):

- (a) The following documents shall be submitted by the Bidder:
 - (i) Power of Attorney authorising the signatory of the Proposal to commit the Bidder as per **Annexure A**;
 - (ii) Letter of Proposal as per **Annexure B**;
 - (iii) Letter of Commitment as per **Annexure C**;
 - (iv) Anti-Collusion Certificate as per **Annexure D**;
 - (v) Bank Guarantee for Bid Security as per **Annexure E and Clause 2.4 below**;
 - (vi) Self Certification of Completion as per **Annexure F**
 - (vii) Audited Balance Sheet and Profit & Loss Account as per **Annexure G**
 - (viii) Completion Certificate from the Client as per **Annexure H**
 - (ix) Letter of Technical Proposal as per **Annexure I**
 - (x) Financial Proposal as per **Annexure J**
 - (xi) Declaration regarding Clean Track Record as per **Annexure K**
 - (xii) Ministry of Road Transport and Highways Notification as per **Annexure L**
 - (xiii) Service Level Agreement as per **Annexure M**
 - (xiv) Proof of payment of cost towards Bidding Documents, in case downloaded from internet; and
- (b) The Bidder shall submit all the documents specified in Clause 2.2.1(a) in support of the compliance of the pre-qualification criteria mentioned in Clause 2.2.1(a) above (“**Qualification Documents**”).
- (c) The Bidder should also submit a compliance sheet listing out all the documents submitted by the Bidder as part of the Qualification Submissions and also indicating whether the Bidder has submitted all the documents to be submitted as part of the Qualification Submissions.

The Bidder shall submit the Technical Proposal as per **Annexure I** of the RFP.

The Bidder shall submit the Financial Proposal as per **Annexure J** of the RFP.

The opening of Bidding Documents and acceptance thereof shall be undertaken substantially in accordance with this RFP.

Bid Security

A Bidder is required to deposit, along with its Proposal, a bid security of Rs. 1,21,00,000/- (Rupees One Crore Twenty One Lakhs only) (the “**Bid Security**”), which shall be refundable within a period of 180 (one hundred and eighty) days from the date of opening of the Proposals in accordance with this RFP, except in the case of the Successful Bidder whose Bid Security shall be retained till such Successful Bidder has provided a Performance Security under the Services Agreement.

The Bid Security shall be in the form of a bank guarantee in favour of Transport Commissioner, Government of Andhra Pradesh issued by any scheduled bank in India, payable at Vijayawada, as per the format specified at **Annexure E**. The validity period shall not be less than 270 (two hundred and seventy days) days from the Due Date.

The Bid Security shall be kept valid throughout the Proposal Validity Period and shall be extended, if so required by the Transport Department, in case of any extension in Proposal Validity Period in accordance hereof.

The Proposal shall be summarily rejected if it is not accompanied by the Bid Security.

In addition to the grounds for forfeiture of the Bid Security specified elsewhere in this RFP, the Bid Security shall be forfeited in the following cases:

- (a) If the Bidder modifies or withdraws its Proposal except as provided in Clause 2.15;
- (b) If the Bidder does not provide, within the time specified by the Transport Department, any supplemental information sought by the Transport Department for evaluation of the Proposal;
- (c) If the Bidder withdraws its Proposal during the interval between the Due Date and expiration of the Proposal Validity Period;
- (d) If the Successful Bidder fails to provide the Performance Security and/or fails to execute the Services Agreement with the Transport Department within the stipulated time or any extension thereof provided by the Transport Department; and
- (e) If any information or document furnished by the Bidder is or discovered to be misleading, a misrepresentation, inaccurate or untrue in any material respects.

Any such misrepresentation / inaccuracy / improper response etc. shall lead to the disqualification of the Bidder. If such disqualification / rejection occurs after the Proposals have been opened and the Lowest Bidder (*as hereinafter defined*) / Successful Bidder gets disqualified / rejected, then the Transport Department reserves the right to:

- (a) invite the remaining Qualified Bidders to submit their Bids Proposals for the selection of the Service Provider;; or
- (b) take any such measure as may be deemed fit in the sole discretion of the Transport Department, including annulment of the bidding process.

Cost of Bidding

The Bidders shall be responsible for all of the costs associated with the preparation of their Proposals and their participation in the bidding process. The Transport Department will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the bidding process.

Verification of information

It shall be deemed that by submitting a Proposal, the Bidder has:

- (a) made a complete and careful examination of the Bidding Documents;
- (b) received all relevant information requested from the Transport Department;
- (c) accepted the risk of any inadequacy, error or mistake in the information provided in the Bidding Documents or furnished by or on behalf of the Transport Department relating to any of the matters referred to in this RFP;
- (d) satisfied itself about all matters, things and information including matters necessary and required for submitting an informed Proposal, execution of the Project in accordance with the Bidding Documents and performance of all of its obligations there under;
- (e) acknowledged and agreed that inadequacy, lack of completeness or incorrectness of information provided in the Bidding Documents or ignorance of any of the matters referred to hereunder shall not be a basis for any claim for compensation, damages, extension of time for performance of its obligations, loss of profits etc. from the Transport Department, or a ground for termination of the Services Agreement by the Service Provider;
- (f) acknowledged that it does not have a Conflict of Interest; and
- (g) agreed to be bound by the undertakings provided by it under and in terms hereof.

The Transport Department shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to the Bidding Documents or the bidding process, including any error or mistake therein or in any information or data given by the Transport Department.

Verification and Disqualification

The Transport Department reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFP and/or the other Bidding Documents and the Bidder shall, when so required by the Transport Department, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Transport Department shall not relieve the Bidder of its obligations or liabilities hereunder nor will it affect any rights of the Transport Department there under.

In case it is found during the evaluation or at any time before signing of the Services Agreement or after its execution and during the period of subsistence thereof, that one or more of the pre-qualification conditions have not been met by the Bidder, or the Bidder has made misrepresentation or has given any incorrect or false information, the Bidder shall be disqualified forthwith if not yet appointed as the Service Provider either by issue of the LOA or entering into of the Services Agreement, and if the Successful Bidder has already been issued the LOA or has entered into the Services Agreement, as the case may be, the same shall, notwithstanding anything to the contrary contained therein or in this RFP, be liable to be terminated, by a communication in writing by the Transport Department to the Successful Bidder or the Service Provider, as the case may be, without the Transport Department being liable in any manner whatsoever to the Successful Bidder or the Service Provider. In such an event, the Transport Department shall be entitled to encash and appropriate the Bid Security or Performance Security, as the case may be, as damages, without prejudice to any other right or remedy that may be available to the Transport Department under the Bidding Documents and/ or the Services Agreement, or otherwise.

B. DOCUMENTS

Contents of the RFP

This RFP comprises the Disclaimer set forth hereinabove, the contents as listed below, and will additionally include any addenda issued in accordance with Clause 2.9.2.

Notice Inviting Tender

- | | |
|------------|---|
| Section 1. | Introduction |
| Section 2. | Instructions to Bidders |
| Section 3. | Evaluation of Proposals |
| Section 4. | Fraud and Corrupt Practices |
| Section 5. | Miscellaneous and the
Annexure thereon |

Clarifications

Bidders requiring any clarification on the RFP may notify the Transport Department in writing by e-mail in accordance with Clause 1.5.6. The Bidders should send in their queries on or before the date mentioned in the schedule of bidding process specified in Clause 1.4. The responses will be sent by e-mail and shall also be made available at the e-procurement website and/or the website of the Transport Department, as specified in this RFP.

The Transport Department shall endeavour to respond to the questions raised or clarifications sought by the Bidders. However, the Transport Department reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring the Transport Department to respond to any question or to provide any clarification.

The Transport Department may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Bidders. All clarifications and interpretations issued by the Transport Department shall be deemed to be part of the Bidding Documents. Verbal clarifications and information given by the Transport Department or its employees or representatives shall not in any way or manner be binding on the Transport Department.

Amendment of RFP

At any time prior to the Due Date, the Transport Department may, for any reason, whether at its own initiative or in response to clarifications requested by a Bidder, modify the RFP and/or provide additional documents by the issuance of addenda.

Any addendum issued hereunder will be in writing and shall be sent to all the Bidders and shall also be made available at the e-procurement website and/or the website of the Transport Department, as specified in this RFP.

C. PREPARATION AND SUBMISSION OF PROPOSALS

Format and Signing of Proposal

The Bidder shall provide all the information sought under this RFP/Bidding Documents. The Transport Department will evaluate only those Bids that are received in the required formats and complete in all respects.

The Bidder shall submit the proposal in 3 (three) separate covers, namely,

- (a) Qualification Submissions as specified in RFP;
- (b) Technical Proposal as per **Annexure I**; and
- (c) Financial Proposal as per **Annexure J**.

The Proposal and its copy shall be typed and signed by the authorised signatory of the Bidder who shall also initial each page, in blue ink. The Proposal and its copy, respectively, shall be bound in hard cover and the pages shall be numbered serially. All the alterations, omissions, additions or any other amendments made to the Proposal shall be initialized by the person(s) signing the Proposal.

The Bidder shall submit 1 (one) original and 1 (one) copy of the entire Proposal. In the event of any discrepancy between the original and the copies, the original shall prevail.

Sealing and Marking of Proposals

The Bidder shall seal each of the 3 (three) parts of the Proposal in separate covers. The 3 (three) sealed covers shall and be placed in a single outer cover, clearly marking each of the envelopes as **“ORIGINAL”**.

Similarly, the copies of 3 (three) parts of the Proposal shall be sealed in separate envelopes and placed in a single larger cover, clearly marking each of the envelopes as **“COPY”**.

The documents accompanying the Proposal shall be placed in a separate envelope and marked as **“ENCLOSURES OF THE PROPOSAL”**. The documents shall include:

- (a) Bid Security in the format set out at **Annexure E**; and
- (b) Power of Attorney for signing of Proposal in the format set out at **Annexure A**.

A true copy of the documents accompanying the Proposal shall be bound in hard cover and the pages shall be numbered serially. Each page thereof shall be initialized in blue ink by the authorized

signatory of the Bidder. This copy of the documents shall be placed in a separate envelope and marked "Copy of Documents".

Both the 'original', the 'copy' and the 'enclosures of the proposal' shall be placed in a single larger envelope and sealed.

Each of the envelopes (outer and inner) shall clearly bear the following identification:

"Proposal for Implementation of Smart Card Project for Transport Department, Government of Andhra Pradesh"

The envelopes shall be addressed and submitted to:

Kind Attention	Commissioner for Transport, Government of Andhra Pradesh
Address	NTR Administrative Block Pandit Jawaharlal Nehru Bus complex, Vijayawada, Andhra Pradesh- 520002.

If the envelopes are not sealed and are not marked as instructed above, the Transport Department shall assume no responsibility for the misplacement or premature opening of the contents of the Proposal submitted and consequent losses, if any, suffered by the Bidder. Further, such Proposal may, at the sole discretion of the Transport Department, be rejected.

Proposal Due Date

Proposals should be submitted by [1630 hours] IST on the Due Date specified in the schedule of the bidding process specified at Clause 1.4 in the manner and form as detailed in this RFP/Bidding Documents. A receipt of acknowledgement thereof should be obtained from the person specified at Clause 1.4 or his authorised representative.

The Transport Department may, in its sole discretion, in order to afford the Bidders a reasonable time for taking an addendum into account or for any other reason to be recorded in writing, by issuing an addendum extend the Due Date uniformly for all Bidders.

Late Proposals

Proposals received by the Transport Department after the specified time on the Due Date shall not be eligible for consideration and shall be summarily rejected.

Modifications/ Substitution/ Withdrawal of Proposals

The Bidder may modify, substitute or withdraw its Proposal after submission, provided that written

notice of the modification, substitution or withdrawal is received by the Transport Department prior to the Due Date. No Proposal shall be modified, substituted or withdrawn by the Bidder on or after the Due Date.

The modification, substitution or withdrawal notice shall be prepared, sealed, marked, and delivered with the envelopes being additionally marked “**MODIFICATION**”, “**SUBSTITUTION**” or “**WITHDRAWAL**”, as appropriate.

Any alteration/ modification in the Proposal or additional information supplied subsequent to the Due Date, unless the same has been expressly sought for by the Transport Department, shall be disregarded.

Rejection of Proposals

Notwithstanding anything contained in this RFP, the Transport Department reserves the right to reject any Proposal and to annul the bidding process and reject all Proposals at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons therefore. In the event that the Transport Department rejects or annuls all the Proposals, it may, in its discretion, invite all eligible Bidders to submit fresh Proposals hereunder.

The Transport Department reserves the right not to proceed with the bidding process at any time, without notice or liability, and to reject any Proposal without assigning any reasons.

Validity and Extension of the Proposals

Proposal shall remain valid for a period not less than 90 (Ninety) days from the Due Date (“**Proposal Validity Period**”). The Transport Department reserves the right to reject any Proposal, which does not meet this requirement.

In exceptional circumstances and for reasons to be recorded in writing, prior to expiry of the abovementioned Proposal Validity Period, the Transport Department may request Bidders to extend the Proposal Validity Period for an additional period of 90 (ninety) days.

Confidentiality

Information relating to the examination, clarification, evaluation and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising the Transport Department in relation to, or matters arising out of, or concerning the bidding process. The Transport Department will treat all information, submitted as part of the Proposal, in confidence and will require all those who have access to such material to treat the same in confidence. The Transport Department shall not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or the Transport Department or as may be required by law or in connection with any legal process.

Correspondence with the Bidder

Save and except as provided in this RFP, the Transport Department shall not entertain any correspondence with any Bidder in relation to acceptance or rejection of any Proposal.

Appointment of Consultant(s)

The Transport Department may utilise the services of consultant(s) or advisor(s) in order to assist the Transport Department in the examination, evaluation, and comparison of Proposals.

3. EVALUATION OF PROPOSALS

Opening and Evaluation of Proposals

The Transport Department shall open the Proposals on the working day immediately following the Due Date, at the venue specified in Clause 1.5.6 and in the presence of the Bidders who choose to attend.

The Transport Department will subsequently examine and evaluate the Proposals in accordance with the provisions set out in this Section 3.

To facilitate evaluation of the Proposals, the Transport Department may, at its sole discretion, seek clarifications in writing from any Bidder regarding its Proposal.

The Transport Department will constitute a committee to evaluate the responses of the Bidders (“**Committee**”). The Committee constituted by the Transport Department shall evaluate the Proposals and other responses to the RFP including all supporting documents / documentary evidence. The failure by any Bidder to submit requisite supporting documents / documentary evidence, may lead to rejection of the Proposal. The decision of the Committee in the evaluation of responses to the RFP shall be final.

The Committee may ask for meetings with the Bidders to seek clarifications on the Proposals. The Committee reserves the right to reject any or all Proposals on the basis of any deviation(s) from requirements under the Bidding Documents. Each of the responses shall be evaluated as per the criteria and requirements specified in the Bidding Documents.

Contacts during Proposal Evaluation

Proposals shall be deemed to be under consideration immediately after they are opened and until such time the Transport Department makes official intimation of award/ rejection to the Bidders. While the Proposals are under consideration, the Bidders and/or their representatives or other interested parties must refrain, save and except as required under the Bidding Documents, from contacting by any means, the Transport Department and/or their employees/ representatives on matters related to the Proposals under consideration.

Tests of responsiveness

As part of the evaluation of Proposals, the Transport Department will at first determine whether each Proposal is responsive to the requirements of the RFP. A Proposal shall not be considered responsive if the Proposal *inter alia* does not contain all the information/documents (complete in all respects) requested as part of the Qualification Submissions as per this RFP and/or Bidding Documents (in formats as specified for the same). Without prejudice to the generality of the foregoing, the Transport Department will determine (whether or not any of the following is required to be submitted as part of the Qualification Submissions), whether the Proposal:

- (a) is received/deemed to be received by the Due Date including any extension thereof ;
- (b) is signed, sealed and marked as stipulated in Clause 2.11.3 and Clause 2.11.4;
- (c) is accompanied by the Bid Security as stipulated in Clause 2.4;
- (d) is accompanied by the Power of Attorney, the format for which is specified in Annexure C;
- (e) contains any condition or qualification;
- (f) is not non-responsive in terms hereof;
- (g) is accompanied by a demand draft towards cost of the Bidding Documents, in case the same has been downloaded from the internet
- (h) such other conditions as the Transport Department may prescribe as part of the Bidding Documents.

The Transport Department reserves the right to reject any Proposal:

- (a) Of a Bidder who fails to meet the pre-qualification criteria set out in Clause [2.2.1] of this RFP;
- (b) Of a Bidder who fails to provide the Qualification Submissions including the Qualification Documents in support of the pre-qualification criteria; or
- (c) Which is non-responsive.

The Technical Proposal(s) of only those Bidders whose Proposals are not rejected under Clause [3.3.2] (“**Qualified Bidders**”) will be evaluated by the Transport Department in accordance with 3.4 below. The Proposal(s) which are rejected under Clause 3.3.2 will not be further evaluated by the Transport Department.

Evaluation of Technical Proposals

The Committee will evaluate the Technical Proposals of the Qualified Bidders for technical evaluation under Clause 3.3.3 of this RFP. The evaluation of the Technical Proposals shall involve the following stages:

- (a) The Committee will first review the Technical Proposal to confirm whether the all the documents/information to be submitted by the Qualified Bidders as part of the Technical Proposal have been submitted by the Qualified Bidders. Only those Qualified Bidders who have submitted all such documents/information as part of the Technical Proposal in

accordance with the requirements of the Bidding Documents shall be deemed to be qualified for second stage of the technical evaluation. As part of the above exercise, the Committee will examine the following:

Technical Evaluation criteria:

Step 1:

The following characteristics and composition of the card shall be met as per the:

(i) PICC(Proximity Integrated Circuit Card), if provided, compliant to ISO/IEC14443 -Part1, 23 and 4, ISO/IEC 7816-Part 4, 8 and 9, IS16695 (Part 1: 2018) Smart Card Template Architecture Part 1: Basic Command Set (commonly known as SCOSTA Contactless Smart Card), with card dimensions compliant to ISO/IEC 7810 ID-1 standard.

Sl.No.	Characteristic of the PETG Card
01.	PETG (with no other plastic material, glues or adhesives) as per the lab tests
02.	Bending Stiffness
03.	Heat Resistance
04	Contamination
05	Card dimensional stability and warpage with temperature and Humidity
06	Adhesion
07	Flammability
08	Toxicity
09	Abrasion
10	Chemical resistance
11	Surface distortion
12	Opacity
13	20 pre printed cards and 5 printed cards are to be provided in sealed envelope for carrying out technical evaluation.

Any deviation on the above criteria will entail disqualification of the bidder at step 1 it self and the bidder will be excluded from further process of bidding.

Step 2:

The bidders who are successful at step 1 will be evaluated as follows.

	Technical Evaluation Parameters	Criteria for marks	Max. marks	Awarded marks
A	No. of years experience in Card supply and personalisation	i) 5 to 8 years = 10	20	
		ii) 8 to 10 years = 15		
		iii) Above 10 years = 20		
B	Infrastructure:	Printing Equipment	20	
	a) Printing equipment	Model and series quantity Cost		
		i) Capable of Printing 20,000 cards per day		
		ii) Dual side Printer		
		iii) Printing Technology : Dye-sublimation/thermal transfer		
		iv) Printing Resolution : min 300dpi		
		v) Should Support AES Data encryption		
		vi) Security Criteria: Each card printed with variable data should have dynamically printed custom watermark which should be visible under UV light. The card should be covered with one overlay layer each is required on the front side and on the back side to survive minimum 800 taber cycles for 50% loss in colour density, has to be adhered to. Service provider has to print the cards in such a way that all the essential and security criteria will cover in single pass inside the machine.		
		vii) Dual Side printer should be able to read and write Contactless ISO 14443 cards.		
		ISO Certifications		
		i) ISO 14443		
		ii) BIS certified		
	b) Software and connectivity	Details of the speed and strengths: Min. 60mbps		

		Security features to detect unauthorised software shall be incorporated		
C	Technical Strengths of personnel	<u>Cadre wise strength</u>	10	
		Cadre No. qualification		
		i) Technical Support		
		ii) Printing Support		
		iii) M/s Support		
D	Productivity: No. of Cards per day	Capacity: Above 20000 upto 25,000:5	10	
		Capacity :25,000 and above per day:10		
E	i) Print quality	Grade 1: No removal of ink (tape will not show any marking of the ink when peeled off): 10	10	
		Grade2: Slight removal of ink (tape will show markings of the ink but the ink impressions on tape adhesive side will not be readable) amounting to <10% of ink removal: 05		

		Grade 3: High removal of ink (the ink impression on the tape adhesive side will be readable) amounting to more than 10% of ink removal: Disqualified		
	ii) Personalisation quality of laser engraving		10	
F	Overall dimensions of cards	Tolerance limits Deviation		
(a)	Length : 85.60 mm	<div>x +/- 0 mm = 04 marks</div> <div>x +/- 1 mm = 03 marks</div> <div>x +/- 2 mm = 2 marks</div>	4	
(b)	Height : 54.02 mm	<div>Deviation</div> <div>x +/- 0 mm = 04 marks</div> <div>x +/- 1 mm = 03 marks</div> <div>x +/- 2 mm = 2 marks</div>	4	
(c)	Thickness (including contact chip): 0.7 mm	<div>Deviation</div> <div>x + 0 mm = 04 marks</div> <div>x +/- 0.05 mm = 03 marks</div> <div>x +/- 0.10 mm = 02 marks</div> <div>x + </> 0.1 mm = disqualified</div>	4	
(d)	Card Warpage and Surface	Deviation	4	

	Distortion : not more than 0.15 mm	x + 0 mm = 04 marks		
		x+1.0 mm= 03 marks		
		x+ 1.5 mm= 2 marks		
(e)	Edge burrs : not more than 0.08mm	Deviation	4	
		x +0.0 mm = 04 marks		
		x+ >0.02 mm to 0.04mm= 03 marks		
		x+ >0.05 to 0.08 mm= 2 marks		
		x+ > 0.08 mm= disqualified		

Total Marks : 100

The bidders who have secured more than 60 marks after step 2 are only considered eligible for opening the financial proposals, subject to the condition that the bidder shall not get disqualification, under any parameter.

Evaluation of Financial Proposals

The Financial Proposals of Technically Qualified Bidders will be opened on the prescribed date.

The Financial Proposal shall be evaluated on the basis of the 'fee' that the Bidder proposes to charge per Smart Card ("Price").

3.5.3

- (a) The Price per Card shall be arrived by the Bidder after covering all expenses incurred/to be incurred by the Bidder, including the following:
 - (i) Cost of computer systems, support facilities, training infrastructure, smart card facilities including printers/scanners and other hardware requirement;
 - (ii) Cost of Smart Cards;

- (iii) Cost of operations and maintenance throughout the Agreement Period;
- (iv) Cost of consumable pertaining to the project;
- (v) Cost of manpower;
- (vi) Cost of travel, boarding, lodging and out of pocket expenses;
- (vii) Communication expenses (Telephone / Fax / Broadband internet or any related equipment).
- (viii) Submission of progress reports and other MIS reports;
- (ix) Other direct and indirect expenses relating to installation, operations, management of the project facilities.
- (x) Expense relating to dispatch / delivery of the cards to the addresses as specified by the Transport Department.

Only 'fixed price' Financial Proposals indicating total price for all the deliverables and services specified in these Bidding Documents will be considered for evaluation.

The Financial Proposal will include of all taxes and levies and shall be in Indian Rupees. If there is a discrepancy between words and figures, the amount in words will prevail.

Selection of the Successful Bidder

The [Qualified/Technically Qualified] Bidder who quotes the lowest Price per Smart Card shall ordinarily be declared as the successful Bidder (the “**Successful Bidder**”). In the event that the Transport Department rejects or annuls all the Proposals, it may, in its discretion, invite all eligible Bidders to submit fresh Proposals hereunder.

In the event that two or more [Qualified/Technically Qualified] Bidders quote the same price per Smart Card (the “**Tie Bidders**”), the Transport Department shall identify the Successful Bidder by way of reverse auction, which shall be conducted, with prior notice, in the presence of the Tie Bidders who choose to attend.

In the event that the [Qualified/Technically Qualified] Bidder that submits the lowest bid (“**Lowest Bidder**”) withdraws or is not selected for any reason in the first instance (the “**first round of bidding**”), the Transport Department may invite all the remaining [Qualified/Technically Qualified] Bidders to revalidate or extend their respective Bid Security, as necessary, and match the Financial Proposal of the aforesaid Lowest Bidder (the “**second round of bidding**”). If in the second round of bidding, only one [Qualified/Technically Qualified Bidder] matches the Lowest Bidder, such matching bidder shall be the Successful Bidder. If two or more [Qualified/Technically Qualified]

Bidders match the said Lowest Bidder in the second round of bidding, then the [Qualified/Technically Qualified] Bidder whose Financial Proposal was higher as compared to other [Qualified/Technically Qualified] Bidder(s) in the first round of bidding shall be the Successful Bidder. For example, if the [Qualified/Technically Qualified] Bidders who submitted the third and fifth lowest Financial Proposals in the first round of bidding offer to match the Financial Proposal of the Lowest Bidder in the second round of bidding, the [Qualified/Technically Qualified] Bidder who submitted the third lowest Financial Proposal shall be the Successful Bidder.

In the event that no [Qualified/Technically Qualified] Bidder offers to match the Lowest Bidder in the second round of bidding the Transport Department may, in its discretion, invite fresh Financial Proposals (the “**third round of bidding**”) from all Bidders except the Lowest Bidder of the first round of bidding, or annul the bidding process, as the case may be. In case the [Qualified/Technically Qualified] Bidders are invited in the third round of bidding to revalidate or extend their Bid Security, as necessary, and offer fresh Financial Proposals, they shall be eligible for submission of fresh Financial Proposals provided, however, that in such third round of bidding only such Financial Proposals shall be eligible for consideration which are higher than the Financial Proposal of the [Qualified/Technically Qualified] Bidder who submitted the second lowest Financial Proposal in the first round of bidding.

Issue of Letter of Award by the Transport Department

The Transport Department will notify the Successful Bidder by [email] and by issuance of a Letter of Award (“LOA”) that its Proposal has been accepted.

Acceptance of Letter of Award and Execution of the Services Agreement

Within 2 (two) weeks from the date of issue of the Letter of Award, the Successful Bidder shall sign the Letter of Award signifying its consent to the terms and conditions specified therein and return the signed copy of the same to the Transport Department. The Successful Bidder shall execute the Services Agreement for the Project, within 30 (thirty) weeks of the issue of LOA or within such further time as Transport Department [may agree to in its sole discretion].

Reverse Tendering

The reverse tendering procedure & duly considering the transparency brought in by the procedural change & the significant savings accrued to the public exchequer decided to deepen the initiative. Accordingly, Government hereby order that the adoption of reverse tendering procedure shall be mandatory in respect of procurement of the Goods, Services and Works with a value of Rs. 1.00 Crore (Rupees one crore) and above, as per the guidelines issued by the Finance Department. Government of Andhra Pradesh vide G.O.MS.NO. 79 Finance (HR.V-TFR) department dated: 25.08.2020.

4. FRAUD AND CORRUPT PRACTICES

The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the bidding process and subsequent to the issue of the LOA and during the subsistence of the Services Agreement. Notwithstanding anything to the contrary contained herein, or in the LOA or the Services Agreement, the Transport Department may reject a Proposal, withdraw the LOA, or terminate the Services Agreement, as the case may be, without being liable in any manner whatsoever to the Bidder or the Service Provider, as the case may be, if the Transport Department determines that the Bidder or the Service Provider, as the case may be, has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the bidding process. In such an event, the Transport Department shall be entitled to encash and appropriate the Bid Security or Performance Security, as the case may be, as damages, without prejudice to any other right or remedy that may be available to the Transport Department under the Bidding Documents and/or the Services Agreement, or otherwise.

Without prejudice to the rights of the Transport Department under Clause 4.1 hereinabove and the rights and remedies which the Transport Department may have under the LOA or the Services Agreement, or otherwise, if a Bidder or the Service Provider, as the case may be, is found by the Transport Department to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the bidding process, or after the issue of the LOA or the execution of the Services Agreement, such Bidder or the Service Provider, as the case may be, shall not be eligible to participate in any tender or RFP issued by the Transport Department during a period of 2 (two) years from the date such Bidder or the Service Provider, as the case may be, is found by the Transport Department to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

For the purposes of this Clause 4, the following terms shall have the meaning hereinafter respectively assigned to them:

- (a) **“corrupt practice”** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the bidding process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the Transport Department who is or has been associated in any manner, directly or indirectly, with the bidding process or the LOA or has dealt with matters concerning the Services Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of 1 (one) year from the date such official resigns or retires from or otherwise ceases to be in the service of the Transport Department, shall be deemed to constitute influencing the actions of a person connected with the bidding process); or (ii) save and except as permitted under this RFP, engaging in any manner whatsoever, whether during the bidding process or after the issue of the LOA or after the execution of the Services Agreement, as the case may be, any

person in respect of any matter relating to the Project or the LOA or the Services Agreement, who at any time has been or is a legal, financial or technical adviser of the Transport Department in relation to any matter concerning the Project;

- (b) “**fraudulent practice**” means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the bidding process;
- (c) “**coercive practice**” means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person’s participation or action in the bidding process;
- (d) “**undesirable practice**” means (i) establishing contact with any person connected with or employed or engaged by the Transport Department with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the bidding process; or (ii) having a Conflict of Interest; and
- (e) “**restrictive practice**” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the bidding process.

5. MISCELLANEOUS

The bidding process shall be governed by, and construed in accordance with, the laws of India and the Courts at Vijayawada shall have exclusive jurisdiction over all disputes arising under, pursuant to and/ or in connection with the bidding process.

The Transport Department, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to:

- (a) suspend and/ or cancel the bidding process and/ or amend and/ or supplement the bidding process or modify the dates or other terms and conditions relating thereto;
- (b) consult with any Bidder in order to receive clarification or further information;
- (c) retain any information and/ or evidence submitted to the Transport Department by, on behalf of, and/ or in relation to any Bidder; and/ or
- (d) independently verify, disqualify, reject and/ or accept any and all submissions or other information and/ or evidence submitted by or on behalf of any Bidder.

It shall be deemed that by submitting the Proposal, the Bidder agrees and releases the Transport Department, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/or performance of any obligations hereunder, pursuant hereto and/ or in connection with the bidding process and waives, to the fullest extent permitted by applicable laws, any and all rights and/or claims it may have in this respect, whether actual or contingent, whether present or in future.

ANNEXURE A

The Power Of Attorney for Signing the Proposal

[To be executed on stamp paper of appropriate value.]

Know all ye men by these presents, we,(name of the Bidder and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorise Mr. / Ms. (name of the attorney), son/daughter/wife of and presently residing at....., who is presently employed with us and holding the position of, as our true and lawful attorney (hereinafter referred to as the “**Attorney**”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Proposal for **centralized Smartcard printing and delivery Application of Transport Department** incidental thereto, in the manner specified in the Bidding Documents, for the Transport Department of the State of Andhra Pradesh (“**Project**”)proposed by the Transport Department, Government of Andhra Pradesh (the “**Transport Department**”) including but not limited to signing and submission of all applications, Proposals and other documents and writings, participate in Bidders’ and other conferences and providing information / responses to the Transport Department as per the Bidding Documents including the RFP dated 2023, representing us in all matters before the Transport Department, signing and execution of all contracts in connection with the Project and undertakings consequent to acceptance of our Proposal, and generally dealing with the Transport Department in all matters in connection with or relating to or arising out of our Proposal for the said Project and/or upon award thereof to us and/or till the entering into of the Services Agreement with the Transport Department;

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,....., THE ABOVE NAMED PRINCIPAL HAS EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF....., 2023.

For.....

(Signature, name, designation and address)

Witnesses:

- 1.
- 2.

Accepted

Notarised

(Signature, name, designation and address of the Attorney)

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*

Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.

ANNEXURE B

This section provides the outline, content and the formats that the Bidders are required to follow in the preparation of the Pre-Qualification Bid

(On the Letterhead of the Bidder)

To:

The Commissioner
Transport Department
III Floor, NTR Administrative Block,
Pandit Jawaharlal Nehru Bus
Complex, Vijayawada,
Andhra Pradesh- 520002.

Sir,

Subject: Appointment of service provider for centralized Smartcard printing and Delivery Application of Transport Department.

Reference: Tender No:..... dated:2023 .

** ** *

We, the undersigned Bidders, having read and examined in detail all the Tender documents do hereby propose to provide the services as specified in the Tender document number [], Dated 2023 along with the following:

a. Earnest Money Deposit

(EMD)

We have paid an EMD of Rs. _____/- (Rupees _____ only). This EMD is liable to be forfeited in accordance with the provisions of the (Section No:) General Conditions of the Contract.

b. Contract Performance Guarantee Bond

We hereby declare that in case the contract is awarded to us, we shall submit the Contract Performance Guarantee Bond in the form prescribed in Annexure [] - Proforma and as per [Section No:] General Conditions of Contract.

Our correspondence details with regard to this Proposal are:

#	Information	Details
1.	Name of the Contact Person	
2.	Address of the Contact person	
3.	Name, designation and contact, address of the person to whom, all references shall be made, regarding this Proposal	
4.	Telephone number of the contact person	
5.	Mobile number of the contact person	
6.	Fax number of the contact person	
7.	Email ID of the contact person	
8.	Corporate website URL	

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading in any manner, we are liable to be dismissed from the selection process or will lead to the termination of our engagement during the implementation of the Project.

We hereby declare that our Bid is made in good faith, without collusion or fraud and the information contained in the Bid is true and correct to the best of our knowledge and belief.

We understand that our Bid is binding on us and that you are not bound to accept a Bid you receive.

Thanking you,

Sincerely,

[Bidder's name with seal]

[Authorized Signature (in full and initials)]

Name and Title of Signatory

Address

Location

Date]

ANNEXURE C

Format of the Letter of Commitment

(On the Letterhead of the Bidder)

Date: [●]

To:

The Commissioner,
Transport Department
III Floor, NTR Administrative Block,
Pandit Jawaharlal Nehru Bus
Complex, Vijayawada,
Andhra Pradesh- 520002.

Re: Appointment of service provider for centralized Smartcard Printing and Delivery Application of Transport Department.

Sir,

This has reference to the Proposal being submitted by _____ (*name of the Bidder*) in respect of the Project.

We hereby acknowledge and confirm the following:

We, _____, have examined in detail and have understood and satisfied ourselves regarding the requirements of the Project, including in respect of the following:-

- (a) The Request for Proposal issued by the Transport Department; and
- (b) All subsequent written communications issued by the Transport Department to the Bidders.

I declare that all the provisions of this RFP/Tender Document are acceptable to my company. I further certify that I am an authorized signatory of my company and I am, therefore, competent to make this declaration.

Thanking you,

Sincerely,

[*Bidder's name with seal*]

[*Authorized Signature (in full and initials)*]

Name and Title of Signatory

Address

Location

Date]

ANNEXURE D

Format of the Anti-Collusion Certificate

(On the Letterhead of the Bidder)

Date: [●]

To:

The Transport Commissioner
Transport Department III Floor,
NTR Administrative Block,
Pandit Jawaharlal Nehru Bus
Complex, Vijayawada,
Andhra Pradesh- 520002

We hereby acknowledge, certify and confirm that in the preparation and submission of our Proposal for Appointment of service provider for centralized Smartcard Printing and Delivery Application of Transport Department incidental thereto, in the manner specified in the Bidding Documents, for the Transport Department of the State of Andhra Pradesh (“**Project**”), we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as illegal, corrupt or anti-competitive or jeopardize our ability to implement the Project in accordance with the Bidding Documents and/or applicable law.

We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or agency in connection with our Proposal in respect of the Project.

Dated this _____ Day of _____, 2023

(Name of the Bidder)

(Signature of the Authorised Person)

Name:

Designation:

[Please specify the name and designation of the Authorized Person]

ANNEXURE E

Format of the Bank Guarantee for Bid Security

Dated: [●]

Bank Guarantee No.:

1. In consideration of you, the Transport Department, Government of Andhra Pradesh, having its office at The Transport Commissioner, Transport Department Government of Andhra Pradesh, III Floor, NTR Administrative Block, Pandit Nehru Bus Station, Vijayawada, Andhra Pradesh- 520002 (hereinafter referred to as the **“Transport Department”**, which expression shall unless it be repugnant to the subject or context thereof include its, successors and assigns) having agreed to receive the Proposal of (a company registered under the Companies Act, 1956) and having its registered office at (hereinafter referred to as the **“Bidder”** which expression shall unless it be repugnant to the subject or context thereof include its/their executors, administrators, successors and assigns), Appointment of implementation of computerized and district wise printing, supply and delivery of certified smart card driving licenses and Vehicle registration certificates to citizens, in the manner specified in the Bidding Documents, for the Transport Department of the State of Andhra Pradesh (**“Project”**) pursuant to the RFP dated 19-01-2023 issued in respect of the Project and other related documents including without limitation the draft services agreement (hereinafter collectively referred to as **“Bidding Documents”**), we [(*Name of the Bank*)] having our registered office at and one of its branches at (hereinafter referred to as the **“Bank”**), at the request of the Bidder, do hereby in terms of Clause 2.1.5 read with Clause 2.4 of the RFP, irrevocably, unconditionally and without reservation guarantee the due and faithful fulfilment and compliance of the terms and conditions of the Bidding Documents (including the RFP) by the said Bidder and unconditionally and irrevocably undertake to pay forthwith to the Transport Department an amount of Rs. 1,21,00,000/- (Rupees One Crore Twenty One Lakhs only) (hereinafter referred to as the **“Guarantee”**) as our primary obligation without any demur, reservation, recourse, contest or protest and without reference to the Bidder if the Bidder fails to fulfil or comply with all or any of the terms and conditions contained in the said Bidding Documents.
2. Any such written demand made by the Transport Department stating that the Bidder is in default of the due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents shall be final, conclusive and binding on the Bank.
3. We, the [*please insert details of the bank issuing this bank guarantee*] (hereinafter referred to as the **“Bank”**), do hereby unconditionally undertake to pay the amounts due and payable under this Guarantee without any demur, reservation, recourse, contest or protest and without any reference to the Bidder or any other person and irrespective of whether the claim of the Transport Department is disputed by the Bidder or not, merely on the first demand from the Transport Department stating that the amount claimed is due to the Transport Department by reason of failure of the Bidder to fulfil and comply with the terms and conditions contained in the Bidding Documents including failure of the said Bidder to keep its Proposal open during the Proposal Validity Period as set forth in the said Bidding Documents for any reason whatsoever. Any such demand made

on the Bank shall be conclusive as regards amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs. 1,21,00,000/- (Rupees One Crore Twenty One Lakh only).

4. This Guarantee shall be irrevocable and remain in full force for a period of 90 (Ninety) days from the Due Date or for such extended period as may be mutually agreed between the Transport Department and the Bidder, and agreed to by the Bank, and shall continue to be enforceable till all amounts under this Guarantee have been paid.
5. We, the Bank, further agree that the Transport Department shall be the sole judge to decide as to whether the Bidder is in default of due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents including, *inter alia*, the failure of the Bidder to keep its Proposal open during the Proposal Validity Period set forth in the said Bidding Documents, and the decision of the Transport Department that the Bidder is in default as aforesaid shall be final and binding on us, notwithstanding any differences between the Transport Department and the Bidder or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.
6. The Guarantee shall not be affected by any change in the constitution or winding up of the Bidder or the Bank or any absorption, merger or amalgamation of the Bidder or the Bank with any other person.
7. In order to give full effect to this Guarantee, the Transport Department shall be entitled to treat the Bank as the principal debtor. The Transport Department shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee from time to time to vary any of the terms and conditions contained in the said Bidding Documents or to extend time for submission of the Bids or the Proposal Validity Period or the period for conveying acceptance of Letter of Award by the Bidder or the period for fulfillment and compliance with all or any of the terms and conditions contained in the said Bidding Documents by the said Bidder or to postpone for any time and from time to time any of the powers exercisable by it against the said Bidder and either to enforce or forbear from enforcing any of the terms and conditions contained in the said Bidding Documents or the securities available to the Transport Department, and the Bank shall not be released from its liability under these presents by any exercise by the Transport Department of the liberty with reference to the matters aforesaid or by reason of time being given to the said Bidder or any other forbearance, act or omission on the part of the Transport Department or any indulgence by the Transport Department to the said Bidder or by any change in the constitution of the Transport Department or its successor entity or any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of releasing the Bank from its such liability.
8. Any notice by way of request, demand or otherwise hereunder shall be sufficiently given or made if addressed to the Bank and sent by courier or by registered mail to the Bank at the address set forth herein.
9. We undertake to make the payment on receipt of your notice of claim on us addressed to [*name of Bank along with branch address*] and delivered at our above branch which shall be deemed to have been duly authorised to receive the said notice of claim.

10. It shall not be necessary for the Transport Department to proceed against the said Bidder before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any other security which the Transport Department may have obtained from the said Bidder or any other person and which shall, at the time when proceedings are taken against the Bank hereunder, be outstanding or unrealised.
11. We, the Bank, further undertake not to revoke this Guarantee during its currency except with the previous express consent of the Transport Department in writing.
12. The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Guarantee for and on behalf of the Bank.
13. For the avoidance of doubt, the Bank's liability under this Guarantee shall be restricted to **Rs. 1,21,00,000/- (Rupees OneCrore Twenty One Lakh only)**. The Bank shall be liable to pay the said amount or any part thereof only if the Transport Department serves a written claim on the Bank in accordance with paragraph 9 hereof, on or before [●] (*indicate date falling on the 180th day after the Due Date*).

Signed and Delivered by..... Bank

By the hand of Mr./Ms, itsand authorised official.

(Signature of the Authorised Signatory)

(Official Seal)

ANNEXURE F

Format of the Self Certificate of Completion (Certified by the Statutory Auditor)

[On the letterhead of the Bidder]

A. Completed Projects during the last five years (extra rows may be added if required):

#	Name of the Client	Date of start of Project	Date of Completion of Project	Description of Project	Website Address of the Client	Cost of the Project in Indian Rupees

B. Ongoing Projects during the last five years (extra rows may be added if required):

#	Name of the Client	Date of start of Project	Date of Completion of Project	Description of Project	Website Address of the Client	Cost of the Project in Indian Rupees

[Please affix the signature of the authorized signatory of the Bidder and the statutory auditor of the Bidder with name, designation, seal and date]

ANNEXURE G

Format of the extracts from the audited Balance sheet and Profit & Loss Account

[On the letterhead of the Bidder]

Annual turnover details of the Bidder from *[insert relevant details]*

#	Financial Year	Turnover in Indian Rupees
A	<u>2020– 2021</u>	
B	<u>2021– 2022</u>	
Aggregate Annual Turnover (A+B)		

[Extra rows may be added, if required]

**Audited Balance sheet and Profit & Loss account statement of the Bidder for each of the above mentioned financial years shall submit as supporting evidence.*

- 1. Please affix the signature of the authorized signatory of the Bidder with name, designation, seal and date here.*
- 2. Please affix the signature of the authorized signatory of the statutory auditor of the Bidder with name, designation, seal and date here.*

ANNEXURE H

Format of the completion certificate from the client

[On the letterhead of the client]

General Information	
Name of the project	
Client for which the project was executed	
Name, address and contact details of the client	
Project Details	
Description of the Project	
Scope of services	
Service levels being offered/Quality of Service (QOS)	
Technologies used	
Outcomes of the project	
Other Details	
Total cost of the project	
Total cost of the services provided by the Bidder	
Duration of the project (Number of months, start date, completion date, current status)	
Other Relevant Information	
Letter from the client to indicate the successful completion of the projects	
Copy of Work order	

Signature:

Name of the Authorized signatory:

Company seal:

Date:

ANNEXURE I

Letter of Technical Proposal
[On the letterhead of the Bidder]

Subject: Submission of the Technical Proposal in accordance with the RFP dated []

Dear Sir,

We, the undersigned, offer to provide the following services in accordance with the RFP/Bidding Documents for service provider for Centralized /district wise Smartcard Printing and Delivery Application of Transport Department.

We are hereby submitting our Technical Proposal in this regard.

We hereby declare that all the information and statements made in this Technical Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

We agree to abide by all the terms and conditions of the Bidding Documents including the RFP dated [] issued by the Transport Department. We would hold the terms of our Proposal valid for 180 (one hundred and eighty) days or any extension thereof as stipulated in the RFP.

We understand you are not bound to accept any Proposal including Technical Proposal you receive.

Sincerely,

[Bidder's name with seal]

[Authorized Signature (in full and initials)]

Name and Title of Signatory

Address

Location

Date]

ANNEXURE J

Format of the Financial Proposal

Covering Letter to the Financial Proposal

[On the letterhead of the Bidder]

Subject: Submission of the Financial Proposal in accordance with the RFP dated:

Dear Sir,

We, the undersigned, offer to provide the following services in accordance with the RFP/Bidding Documents for implementation of centralized smartcard with QR Code (PETG PICC) Printing and delivery solutions of Transport Department.

Our attached Financial Proposal is for the sum of *[specify the amount in words and figures]* (“**Bid Price**”). This amount is inclusive of the all applicable taxes.

1. PRICE AND VALIDITY

All the prices mentioned in the Financial Proposal are in accordance with the terms as specified in the Bidding Documents. All the prices and other terms and conditions of this Financial Proposal are valid for a period of 90 (Ninety) calendar days from the Due Date or any extension thereof as stipulated in the RFP.

We hereby confirm that the Bid Price includes all applicable taxes. However, all the taxes are quoted separately under relevant sections.

We understand that the actual payment would be made as per the existing indirect tax rates during the time of payment.

2. UNIT RATES

We have indicated in the relevant forms enclosed, the unit rates for the purpose of on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract.

We declare that all the services shall be performed strictly in accordance with the Bidding Documents.

3. PROPOSAL PRICING

We further confirm that the prices stated in our Financial Proposal are in accordance with the Bidding Documents.

4. QUALIFYING DATA

We confirm having submitted the information as required by you in accordance with the Bidding Documents. In case you require any other further information/documentary proof in this regard before evaluation of our Proposal, we agree to furnish the same in time to your satisfaction.

5. BID PRICE

We declare that our Bid Price quoted in the Financial Proposal is for the entire scope of the work as specified in the RFP.

6. OTHERS

We understand you are not bound to accept any Proposal you receive.

We hereby declare that our Financial Proposal is made in good faith, without collusion or fraud and the information contained in the Financial Proposal is true and correct to the best of our knowledge and belief.

We understand that our Proposal including the Financial Proposal is binding on us and that you are not bound to accept any Proposal you receive.

Sincerely,

[Bidder's name with seal]

[Authorized Signature (in full and initials)]

Name and Title of Signatory

Address

Location]

Financial proposal

(On the letter head of Bidder)

#	Item	Unit Price	Total amount in Rs.(INR)
1	Price per Printed card		
		Total price per card (Excl.taxes)	
		Tax	
		Courier charges	
		Grand total per card	

ANNEXURE- K

Format Declaration Regarding Clean Track Record

(On the Letterhead of the Bidder)

Date: [●]

To:

The Transport Commissioner
Transport Department
III Floor, NTR Administrative
Block,
Pundit Jawaharlal Nehru Bus
Complex, Vijayawada,
Andhra Pradesh- 520002

Sir,

I have carefully gone through the Terms & Conditions contained in the RFP Document No. _____ Dated _____ regarding Appointment of service provider for district wise Smartcard Printing and Delivery Application of Transport Department for the period of the project.

I hereby declare that my company currently has not been debarred/black listed by any Government / Semi-Government organizations in India. I further certify that I am competent officer in my company to make this declaration.

Thanking you,

Sincerely,

[Bidder's name with seal]

[Authorized Signature (in full and initials)]

Name and Title of Signatory

Address

Location

Date]

ANNEXURE-L

MINISTRY OF ROAD TRANSPORT AND HIGHWAYS NOTIFICATION

New Delhi, the 1st March, 2019

G.S.R. 174(E).—Whereas the draft of certain rules further to amend the Central Motor Vehicles Rules, 1989, were published, as required under sub-section (1) of section 212 of the Motor Vehicles Act, 1988 (59 of 1988), *vide* notification of the Government of India in the Ministry of Road Transport and Highways number

G.S.R. 1073(E), dated the 30th October, 2018 in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), inviting objections and suggestions from affected persons before the expiry of the period of thirty days from the date on which copies of the Gazette containing the said notification were made available to public;

Whereas, copies of the said Gazette notification were made available to the public on the 30th October, 2018;

And whereas, the objections and suggestions received from the public in respect of the said draft rules have been duly considered by the Central Government;


Now, therefore, in exercise of the powers conferred by section 27 and section 64 of the Motor Vehicles Act, 1988 (59 of 1988), the Central Government hereby makes the following rules further to amend the Central Motor Vehicles Rules, 1989, namely: —

1. **Short title and commencement.** - (1) These rules may be called the Central Motor Vehicles (Second Amendment) Rules, 2019.
(2) They shall come into force on the 1st day of October, 2019.
2. In the Central Motor Vehicles Rules, 1989,-
 - (a) in rule 16,-
 - (i) in sub-rule (1), for the word and figure “Form 6”, the following shall be substituted, namely:-
“in form of a laminated card type without a chip or Smart Card type in Form 7 conforming to the specifications stipulated in Annexure XI”;
 - (ii) in sub-rule (2), for the words “laminated card type or Smart Card type driving license, such”, the following words shall be substituted, namely:-
“Smart Card type driving license, such”;
 - (iii) sub-rule (3) shall be omitted;
 - (b) in rule 18, in sub-rule (1) for ‘clause (b)’, the following ‘clause’ shall be substituted, namely:- “(b) applicant’s recent passport size photograph.”;
 - (c) in rule 32, in the ‘Note’, for ‘clause 1’, the following ‘clause’ shall be substituted, namely:-
“1. Where as laminated card without chip or Smart Card type driving licence is issued in Form 7, an additional fee of two hundred rupees shall be levied.”;
 - (d) in rule 48, for the words and figures “Form 23 or Form 23A”, the following words and figures shall be substituted, namely:-
“Form 23A conforming to the specifications stipulated in Annexure XI”;
 - (e) in rule 81, for ‘Note 2’, the following ‘Note’ shall be substituted, namely:-
“Note 2. Where the certificate of registration issued is in the form of laminated card without chip or Smart Card type driving licence, an additional fee of two hundred rupees shall be charged except in the case of issue of fresh certificate of registration

- A. For front side:





B. For reverse side

1 DL No : XXXXXXXXXXXXXXXX



3 Invalid Carriages (Regn. Numbers)
XXXXXXXXXXXXX

4 Hazardous Validity[#] DD-MM-YYYY Hill Validity[#] DD-MM-YYYY

6 Class of Vehicle	Code	Issued by	Date of Issue	Vehicle Category	Badge [#] Number	Badge [#] Issued Date	Badge [#] Issued by
	MCWG	XXXXXX	DD-MM-YYYY	NT/TR	XXXXXX	DD-MM-YYYY	XXXXXX
	LMV	XXXXXX	DD-MM-YYYY	NT/TR	XXXXXX	DD-MM-YYYY	XXXXXX
	TRANS	XXXXXX	DD-MM-YYYY	TR	XXXXXX	DD-MM-YYYY	XXXXXX
	MVSD	CNEQP	DD-MM-YYYY	NT/TR	XXXXXX	DD-MM-YYYY	XXXXXX

7 Emergency Contact Number
XX-XXXXXXXXX

8 Licensing Authority
XXXXXXXXXXXXX

2. Specifications.-

(a) Card Size - 85.6mm x 54.02 mm +/- 2 mm; Thickness minimum 0.7 mm							
(i) Card in the form of either laminated card type without chip; or							
as per the defined template in the form of ICC (Integrated Circuit Card) compliant to ISO/IEC 7816-Part 1, 2, 3, 4, 8 and 9,IS16695(Part1:2018)Smart Card Template Architecture Part1:Basic Command Set (commonly known as SCOSTA Contact Smart Card);							
(ii) PICC (Proximity Integrated Circuit Card),if provided, compliant to ISO/IEC14443 -Part1,23and4,ISO/IEC 7816-Part 4, 8 and 9, IS16695 (Part 1: 2018) Smart Card Template Architecture Part 1: Basic Command Set (commonly known as SCOSTA Contactless Smart Card), with card dimensions compliant to ISO/IEC 7810 ID-1 standard.							
(b) Font Style and Size specifications							
Front Side				Reverse Side			
Sr. No.	Features	Font Name	Size	Sr. No.	Features	Font Name	Size
1.	State/UT Code	Myriad Pro Regular	7pt	1.	Driving Licence Number	Myriad Pro Bold	8pt
2.	National Emblem	Symbol	7.37mm x 12.28mm	2.	QR code(As specified by Central Government)	NA	15mm x 15mm
3.	Card Header	Myriad Pro Bold	9pt	3.	Invalid Carriage [#] (Regn.Numbers)	Myriad Pro Regular	7pt
4.	Driving Licence Number	Myriad Pro Bold	9pt	4.	Hazardous Validity [#]	Myriad Pro Regular	7pt
5.	IC Chip (if opted for)	NA	NA	5.	Hill Validity [#]	Myriad Pro Regular	7pt
6.	Issue Date	Myriad Pro Regular	7pt	6.	Vehicle class table (Class of Vehicle, Code, Issued by, Date of Issue, Vehicle Category, Badge Number [#] , Badge IssuedDate [#] , Badge Issued by [#])	Myriad Pro Regular	5pt
7.	Validity (NT)	Myriad Pro Regular	7pt	7.	Emergency Contact Number	Myriad Pro Regular	6pt
8.	Validity(TR) [#]	Myriad Pro Regular	7pt	8.	Licensing Authority	Myriad Pro Regular	6pt
9.	Name	Myriad Pro Regular	7pt	9.	Form 7 Rule 16(2)	Myriad Pro Regular	6pt
10.	Date of Birth	Myriad Pro Regular	7pt				
11.	Blood Group	Myriad Pro Regular	7pt				
12.	Organ Donor	Myriad Pro Regular	7pt				
13.	Son/Daughter/ Wife of	Myriad Pro Regular	7pt				
14.	Address	Myriad Pro Regular	7pt				
15.	Date of First Issue	Myriad Pro Regular	6pt				
16.	Holder's Signature	Myriad Pro Regular	5pt				
17.	Photograph	NA	14.82 mm x 14.82 mm				
# : Both Label and Value would be blank in cases where they are not applicable or have not been opted for							

(c) Background Colour Details					
Front Side			Reverse Side		
Sr. No	Hex Code	Print colour	Sr. No.	Hex Code	Print colour
C1.	#f8951d	C: 0 M: 49 Y: 100 K:0	C1.	#ddf1fa	C:12 M: 1 Y:1 K:0
C2.	Gradient Color Top: #e7f5f5 Bottom:#a3daf7	Gradient Color Top:C:8 M: 0 Y:3 K:0 Bottom:C:33 M:1 Y:0 K:0	C2.	Gradient Colour Top: #e7f5f5 Bottom:#a3daf7	Gradient Colour Top: C:8 M: 0 Y:3 K:0 Bottom:C:33 M:1 Y:0 K:0
C3.	#edf8fc	C:6 M: 0 Y:1 K:0	C3.	#edf8fc	C:6 M: 0 Y:1 K:0

MACHINE READABLE ZONE *(applicable only if opted for Smart Card)*

The concerned State Governments shall provide the following features of the license in the Machine Readable Zone, namely:-

Sr. No.	Field
1.	DL Holder Personal Details :
	Driving Licence Number (DL)
	Name of the DL Holder
	Full Name of the DL Holder
	Gender
	Guardian(Mother/Father/Husband) Name
	Relation with Guardian (e.g.: S/o, W/o , D/o)
	Date of Birth (in ddmmyyyy format)
	First Identification Mark
	Second Identification Mark
	Blood Group
	Mobile Number
	Email Id
	Alternate Mobile Number
	Emergency Contact Number
	Permanent Address
	PINCODE of Permanent Address
	State Code In Permanent Address
	District Name in Permanent Address
	Sub-division/Taluk name in Permanent Address
	Village Name in Permanent address
	Present Address
	State Code in Present address
	PINCODE of Present address
	District Name in present Address
	Sub-division/Taluk Name in present Address
	Village Name in Present address
2.	Licence details :
	Valid From (Transport) (in ddmmyyyy format)
	Valid Till (Transport) (in ddmmyyyy format)
	Valid From (Non-Transport) (in ddmmyyyy format)
	Valid From (Non-Transport) (in ddmmyyyy format)

	First Date of DL Issuance (in ddmmyyyy format)
	First (Original) Issuing Authority
	Date of Hazardous Validity (in ddmmyyyy format)
	Date of Hill Region validity (in ddmmyyyy format)
	Authority who issued Transport Authorization
	Transport Authorization Number
	Transport Authorization date (in ddmmyyyy format)
	Invalid carriage Vehicle Registration Number
	INVALID Carriage 2 nd Vehicle Registration Number , if any
	Invalid carriage 3 rd Vehicle Registration Number , if any
3.	Class of Vehicle details :
	Class of Vehicle (COV)
	Class of Vehicle Issue Date (in ddmmyyyy format)
	Class of vehicle – Issued By (Name & Designation)
	Badge No.
	Badge Issue Date (in ddmmyyyy format)
	Badge Issued by –LA Office
4.	Image details :
	Photograph of DL Holder
	Signature of DL Holder
5.	Enforcement details :
	Challan/Inward Number
	Challan Date (in ddmmyyyy format)
	Endorsement Authority ID
	Endorsement Authority Name
	Section/ Rule Violated
	Disqualification Type (Suspended/Cancelled)
	Disqualification period from (in ddmmyyyy format)
	Disqualification period Up to (in ddmmyyyy format)
	Class of Vehicle that is suspended/Cancelled
	Settlement date
	Review Date (in ddmmyyyy format)
	Review Authority Name
	Remarks .”;

- (h) the “FORM 23” shall be omitted;
- (i) for ‘FORM 23A’, the following ‘Form’ shall be substituted, namely:-

“FORM23A

[See rule48]

CERTIFICATION OF REGISTRATION (LAMINATED CARD WITHOUT CHIP OR SMART CARD)

VISUAL INSPECTION ZONE



1. (A).The design of the card on the front side shall include the following data fields in visual form–

(B).


The design of the card on the reverse side shall include the following data fields in visual Form.

(C). The details of the features on the card shall be as under, namely:-

(a) For front side:

Indian Union Vehicle Registration Certificate Issued by XXXXXXXXXXXXXXXXXXXXXXXXXX		C1 XY	C2 AB
  Fuel XXXXXXXXXXXXXX Emission Norms XXXXXXXXXXXXXX	Regn. Number XXXXXXXXXX Chassis Number XXXXXXXXXXXXXX Engine / Motor Number XXXXXXXXXXXXXX Owner Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Son / Wife / Daughter of XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Address XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Date of Regn. DD-MM-YYY Regn. Validity* DD-MM-YY Owner Serial XX Card Issue Date (DD-MM-YYYY) 16	

(b) For reverse side:

Vehicle Class: XXXXXXXXXXXXXXXXXXXXXXXXXX (XXX)		C1 XY	C2 AB	C3
Regn. Number XXXXXXXXXX  Month-Year of Mfg. MM-YYYY Number of Cylinders XX Number of Axle XX	Maker's Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Model Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Colour XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Body Type XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Seating (in all) / Standing / Sleeper Capacity XXX / XXX / XXX Unladen / Laden / Gross Combination Weight (kg) XXXX / XXX / XXX Cubic Capacity / Horse Power (BHP/Kw) XXXXX / XXXXX Wheel Base (mm) XXXXX Financer Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Form 23A 25 24 Registration Authority XXXXXXXXXXXX		

2. Specifications.-

(a) Card Size - 85.6mm x 54.02 mm +/- 2 mm; Thickness minimum 0.7 mm							
(i) Card in the form of either laminated card type without chip;or as per the defined template in the form of ICC (Integrated Circuit Card) compliant to ISO/IEC 7816-Part 1, 2, 3, 4, 8 and 9,IS16695(Part1:2018)Smart Card Template Architecture Part1:Basic Command Set (commonly known as SCOSTA Contact Smart Card); (ii) PICC(Proximity Integrated Circuit Card)if provided, compliant to ISO/IEC14443 -Part1,23and4,ISO/IEC7816- Part 4, 8 and 9, IS16695 (Part 1: 2018) Smart Card Template Architecture Part 1: Basic Command Set(commonly known as SCOSTA Contactless Smart Card), with card dimensions compliant to ISO/IEC 7810 ID-1 standard.							
(b) Font Style and Size specifications							
Front side				Reverse side			
Sr. No.	Features	Font Name	Size	Sr. No.	Features	Font Name	Size
1.	Category (NT/ TR)-XY	Myriad Pro Regular	7pt	1.	Category (NT/TR)-XY	Myriad Pro Regular	7pt
2.	State / UT Code-AB	Myriad Pro Regular	7pt	2.	State / UT Code-AB	Myriad Pro Regular	7pt
3.	Golden National Emblem	Symbol	7.37mm x 12.28mm	3.	Vehicle Class	Myriad Pro Regular	6pt
4.	Card Header	Myriad Pro Bold	8pt	4.	Vehicle Type (e.g. LMV/ H MV/HGV etc)	Myriad Pro Regular	6pt
5.	IC Chip (if opted for)	NA	NA	5.	Registration Number	Myriad Pro Regular	6pt
6.	Fuel	Myriad Pro Regular	7pt	6.	QR Code (As specified by the Central Government)	NA	15 mm x 15mm
7.	Emission Norms	Myriad Pro Regular	7pt	7.	Month & Year of Mfg.	Myriad Pro Regular	5.5pt
8.	Registration Number	Myriad Pro Bold	7pt	8.	Number of Cylinders	Myriad Pro Regular	5.5pt
9.	Date of Registration	Myriad Pro Bold	7pt	9.	Number of Axle [#]	Myriad Pro Regular	5.5pt
10.	Registration Validity* (to be printed "As per Fitness" for Transport/ Commercial vehicle)	Myriad Pro Bold	7pt	10.	Maker's Name	Myriad Pro Regular	5.5pt
11.	Chassis Number	Myriad Pro Regular	7pt	11.	Model Name	Myriad Pro Regular	5.5pt
12.	Engine /Motor Number	Myriad Pro Regular	7pt	12.	Colour	Myriad Pro Regular	5.5pt
13.	Owner Name	Myriad Pro Regular	7pt	13.	Body Type	Myriad Pro Regular	5.5pt
14.	Son/ Daughter/ Wife of (in case of Individual Owner)	Myriad Pro Regular	7pt	14.	Seating (in all) Capacity	Myriad Pro Regular	5.5pt
15.	Address	Myriad Pro Regular	7pt	15.	Standing Capacity [#]	Myriad Pro Regular	5.5pt
16.	Card Issue Date	Myriad Pro Regular	6pt	16.	Sleeper Capacity [#]	Myriad Pro Regular	5.5pt

17.	Owner Serial	Myriad Pro Regular	7pt	17.	Unladen Weight (kg)	Myriad Pro Regular	5.5pt
				18.	Laden Weight [#] (kg)	Myriad Pro Regular	5.5pt
				19.	Gross Combination Weight [#] (kg)	Myriad Pro Regular	5.5pt
				20.	Cubic Capacity (Kw)	Myriad Pro Regular	5.5pt
				21.	Horse Power (BHP)	Myriad Pro Regular	5.5pt
				22.	Wheel Base (mm)	Myriad Pro Regular	5.5pt
				23.	Financer name [#]	Myriad Pro	5.5pt
				24.	Registering Authority's Name	Myriad Pro	5.5pt
				25.	Form 23A	Myriad Pro Regular	6pt
# : Both Label and Value would be blank in cases where they are not applicable or have not been opted for							

(c) Background Colour Details					
Front Side			Reverse Side		
Sr. No.	Hex Code	For Print Media	Sr. No.	Hex Code	For Print Media
C1.	#44c7f1	C:60 M:0 Y:1 K:0	C1.	#44c7f1	C:60 M:0 Y:1 K:0
C2.	#f8951d	C:0 M: 49 Y:100 K:0	C2.	#f8951d	C:0 M: 49 Y:100 K:0
C3.	<u>Gradient Colour</u> Top: # e7f5f5 Bottom:#a3daf7	<u>Gradient Colour</u> Top: C:8 M: 0 Y:3 K:0 Bottom:C:33 M:1 Y:0 K:0	C3.	<u>Gradient Colour</u> Top: # e7f5f5 Bottom:#a3daf7	<u>Gradient Colour</u> Top: C:8 M: 0 Y:3 K:0 Bottom:C:33 M:1 Y:0 K:0
C4.	<u>Gradient Colour</u> Top: #ffffff Bottom:#cbe5ef	<u>Gradient Colour</u> Top: C:0 M: 0 Y:3 K:0 Bottom:C:9 M:2Y:3 K:0	C4.	<u>Gradient Colour</u> Top: #ffffff Bottom:#cbe5ef	<u>Gradient Colour</u> Top: C:0 M: 0 Y:3 K:0 Bottom:C:9 M:2Y:3 K:0

MACHINE READABLE ZONE (applicable only if opted for Smart Card)

The concerned State Governments shall provide the following features of the Registration Certificate in the Machine Readable Zone, namely:-

Sr. No.	Field
1.	Registration Details :
	Registration Number
	Registration Date (in ddmmyyyy format)
	Purchase Date (in ddmmyyyy format)
	Registration Type (N, A, O, D)
	Registration Validity (in ddmmyyyy format)
	(To be stored "As per Fitness" for Transport / Commercial vehicle)
	Dealer Name
	Registering Authority Name
2.	Personal Details :
	Owner Name
	Son/Wife /Daughter of (if Individual)
	Owner Current Address
	Owner Permanent Address

	Owner Serial No.	
	Ownership Type	
3.	Vehicle Details :	
	Vehicle Class	
	Maker/Manufacturer	
	Model	
	No. of Cylinder	
	Horse Power (format 99999.99)	
	Seating Capacity	
	Standing Capacity	
	Sleeper Capacity	
	Unladen Weight (kg)	
	Laden Weight (kg)	
	Gross Combination Weight, if applicable (kg)	
	Wheelbase (mm)	
	Cubic Capacity (format 99999.99)	
	Floor Area (sq m) (format 999.999)	
	Fuel	
	Chassis No	
	Engine No	
	Body Type	
	Colour	
	Manufacturing Month & Year (mmyyyy)	
		Sale Amount
		Emission Norms
Height (mm)		
Length (mm)		
Width (mm)		
AC Fitted (Y/N)		
Video Fitted (Y/N)		
Audio Fitted (Y/N)		
4.	Axle Details of Transport Vehicle :	
	Number of Axle	
	Number of Tyre – Front Axle	
	Number of Tyre – Rear Axle	
	Number of Tyre – Tandem Axle	
	Number of Tyre – Other Axle	
	Front Axle (Description and Size of Tyre)	
	Rear Axle (Description and Size of Tyre)	
	Tandem Axle (Description and Size of Tyre)	
	Other Axle (Description and Size of Tyre)	
	Front Axle Weight (kg)	
	Rear Axle Weight (kg)	

	Tandem Axle Weight (kg)
	Other Axle Weight (kg)
	Overhang
	Rearhang
5.	Additional Details of Attached Trailer / Semi-Trailer (if applicable) :
	Number of attached Semi-Trailers
	Attached Trailer(s) Registration Mark
6.	Additional Details of Linked Horse Vehicle No. (if this RC is of Semi-Trailer/Trailer) :
	Horse Vehicle Registration Mark, if applicable
7.	Hypothecation Details*3 :
	Name of Financier
8.	Challan Details*40 :
	Challan No.
	Accused category (D – Driver, C – Conductor, O – Owner)
	Section (s) (code only with delimiter “,” if more than 1)
	Challaning Officer Name
	Location
	Challan Date & Time in ddmm/yyyy /hh-mm format
	Disposing Officer Name
	Penalty
	Receipt No.
9.	Permanent Permit Details :
	Permit Number
	Permit Type (Description)
	Permit Issuing Authority Name
	Validity From (in ddmm/yyyy format)
	Validity Up to (in ddmm/yyyy format)
	Replacement Date (in ddmm/yyyy format)
	Area (e.g. Local, Distt, Region, State etc.)
	Route From
	Route Up to
	Stages
	Route Length (km)
	Number of Trips per day
10.	DetailsofalternativeoradditionalSemi-Trailer(s)registeredwithanarticulatedvehicle (Registration No same as articulated vehicle):
	Body Type
	Unladen Weight (kg)
	Laden Weight (kg)
	Chassis No
	Front Axle (Number, Description and Size of Tyre)
	Rear Axle (Number, Description and Size of Tyre)
	Tandem Axle (Number, Description and Size of Tyre)

	Other Axle (Number, Description and Size of Tyre)
	Front Axle Weight (kg)
	Rear Axle Weight (kg)
	Tandem Axle Weight (kg)
	Other Axle Weight (kg)
11.	Retro Fitting Details :
	Kit Manufacturer
	Kit Type
	Kit Workshop
	Kit Serial Number
	Kit PUCC Norms
	Workshop License No
	Fitment Date (in ddmmyyyy format)
	Hydro Test Date (in ddmmyyyy format)
	Cylinder Serial Number .”;

(j) for ‘Annexure XI’, the following ‘Annexure’ shall be substituted, namely: -

Annexure XI

[see clause(s) of rule 2, rule 16 and rule 48]

I. Specifications of laminated card type without chip or Smart Card type Driving Licence and Registration Certificate.-

- (a)** Integrated Circuit Card (ICC, commonly known as contact smart card) or Proximity Integrated Circuit Card (PICC, commonly known as contactless smartcard).
- (b)** ICC shall be compliant to ISO/IEC 7816-1, 2 and 3 while PICC shall be compliant to ISO/IEC 14443-1, 2, 3 and 4.
- (c)** Both ICC and PICC shall also be compliant to ISO/IEC 7816-4, 8 and 9, IS-16695 Part I, 2018 (commonly known as SCOSTA).
- (d)** Minimum 10 years data retention for the non-volatile memory in the form of EEPROM or FLASH.
- (e)** Minimum 300,000 write cycles endurance for the non-volatile memory.
- (f)** The hardware (controller) shall be in compliance and certified to be EAL4+ (or higher) common criteria certificate along with security target of evaluation of microcontroller (in case of ROM based OS implementation) or of the microcontroller along with Boot loader/Flash loader/Smart Program/Boot Program (in case of Flash based OS implementation) under the Common Criteria Certificate. The common Criteria Certificate refers to BSI-CC-PP-0035-2007/BSI-CC-PP-0084- 2014 (or newer) Protection profile.
- (g)** The operating system shall be loaded in the Flash Memory or in the ROM with the chip at wafer level in the facility fully owned by the chip manufacturer and shall be locked at that facility in a

Way that it cannot be altered, modified, erased or deleted either selectively or wholly.

- (h) Operating ambient temperature range -25C to+55C.
- (i) For Poly Vinyl Chloride (PVC): Glossy surface, Poly Vinyl Chloride (PVC)/Acrylonitrile Butadiene Styrene(ABS)/PetG plastic construction, with over lay to all colour dye sublimation printing.
- (j) For Polycarbonate Card: Multi-layered card construction using pure polycarbonate layer, fused (laminated) together with heat and pressure without any kind of glue or adhesive. Card Body material including outer over lay shall be capable of personalisation through Laser engraving.

II. **Material Specifications for Driving License and Registration Certificate.-**

- (a) **Dimension of the Card.-** The cards used for the Driving License and Registration Certificate shall be compliant to ISO/IEC 7810 standard as defined for ID-1 unused and returned cards. The tolerances, edge burrs etc. shall be as defined for the ID-1 cards in ISO/IEC 7810 section 5. All dimensions of the card shall be measured as per the ISO/IEC 10373-1 standard as defined in section 5.2 under the standard testing conditions as defined in ISO/IEC 10373-1.
- (b) **Card Warp and Surface Distortion.** - The maximum distance from a flat rigid plate to any portion of the convex surface of the card shall not be greater than 1.5 mm including the card thickness. Further, the difference between the maximum and minimum thickness of the finished card shall not be more than 0.10 mm. For measuring the maximum and minimum thicknesses, the contact chip shall also be considered. Thus, no point of the entire IC contact surface shall be higher than 0.10 mm above or lower than 0.10 mm below the adjacent surface of the card. The test shall be carried out using the standard measurement method as described in ISO/IEC 10373-1.
- (c) **Card Material and Construction.** - The cards shall be made of Polyvinyl Chloride (PVC), Acrylonitrile Butadiene Styrene (ABS) or PetG or Polycarbonate (PC) plastic material unless specified otherwise. The card construction shall be made of bonded materials with inserts of the ISO 7816-2 compliant contact chip (for ICC) if provided, or with inserts of the ISO 14443 compliant contactless chip with associated antenna (for PICC), if provided.
- (d) **Card Characteristics.-** The card characteristics shall be as defined in ISO/IEC 7810 standard as outlined here:-
 - (i) **Bending Stiffness.** - (1). The bending stiffness shall be as defined in ISO/IEC 7810. The test procedures shall be as described in ISO/IEC 10373-1 section 5.7. For carrying out the bending stiffness test, the cards shall be exercised in the following four configurations, namely:-
 - (a) With the embedded chip facing upward and the edge of the card closer to the chip placed towards the clamping device.
 - (b) With the embedded chip facing upward and the edge of the card closer to the chip placed away from the clamping device.
 - (c) With the embedded chip facing downward and the edge of the card closer to the chip placed towards the clamping device.

- (d) With the embedded chip facing downward and the edge of the card closer to the chip placed away from the clamping device.
- (2). The maximum permitted bending deformation shall be identical in all the four configurations.
- (ii) **Resistance to chemicals.** – Cards shall be resistant to the chemicals as described in ISO/IEC 7810 section 8.4. The chemical resistance shall be tested as per the procedure outlined in ISO/IEC10373-1section5.4, using reagents both for short-term and long-term contamination.
- (iii) **Storage Requirements.** – (1). The card characteristics as defined in this section of the document shall remain unaltered for the following range of temperature and humidity as storage requirements, namely:-
 - (a) Temperature range of 5-40°C.
 - (b) Relative humidity range of 10-85%.
 - (2). The cards shall be tested for the bending stiffness after exposing it to the following two environment conditions, namely:-
 - (I) 5°C at 10%RH, and
 - (II) 40°C at 85%RH.
 - (3). The exposure for each of these two conditions shall be for one hour in the environment. This test only establishes the card characteristics and does not establish any print quality characteristics, which are defined later.
- (iv) **Peel Strength.** – The peel strength of the component layer of the card material shall be as per the minimum specified in ISO/IEC 7810 section 8.8. The peel strength shall be tested as per the procedure outlined in ISO/IEC10373-1section5.4 with a peeling angle of 90°.
- (v) **Adhesion Resistance.** – (a) When finished cards are stacked together in a stock of 5 cards and applied 1.5Kg dead weight from the top, kept for 7 days at 40±3°C, 80% RH, no card shall show any adverse effect such as delamination, discolouration or colour transfer to adjacent cards, changes to surface finish, transfer of material from one card to another and deformation. The physical dimension of the all cards shall remain as described in section 5 of this document.
 - (b) The cards shall be tested for easy separation by hand for randomly chosen cards in the middle of the stack and will be inspected visually for the colour transfer, discolouration, changes in the surface finish etc. The dimension of the cards, card warpage and surface distortion after each test shall be tested to be within the limits as described in this document.

(e) Dynamic

Bending.-

The cards shall be tested for dynamic bending as per the procedure outlined in ISO/IEC 10373-1 section 5.8. The h_v and h_w parameters shall be used as defined in ISO/IEC 10373-1 (i.e. 2mm and 20mm for bending along axis B, and 1mm and 10mm for bending along axis A). The cards shall continue to work electronically after the test is performed with 250 bending each along axis A and axis B and with card contacts facing upwards as well as

downwards. The cards shall be tested after the cycle of 1000 bending tests for the following, namely:-

- (i) The dimensions of the card.
- (ii) Card warpage and surface distortion.
- (iii) The presence of Answer to Reset (ATR) or Answer to Select (ATS) sequence after insertion in the ISO7816-3 compliant interface device (IFD) or ISO14443-4 compliant proximity coupling device (PCD), as the case maybe.
- (iv) The contact resistance being within the limits for all contact pads for an ICC.

(f) Dynamic Torsional Stress.-The cards shall be subjected to dynamic torsional stress test as outlined in ISO/IEC 10373-1 section 5.9. The parameters shall be as defined in ISO/IEC 10373-1. After the cycle torsional stress application, the cards shall be tested for the following, namely:-

- (i) The dimension of the card.
- (ii) Card warpage and surface distortion.
- (iii) The presence of Answer to Reset (ATR) or Answer to Select (ATS) sequence after insertion in the ISO7816-3 compliant interface device (IFD) or ISO14443-4 compliant proximity coupling device (PCD), as the case maybe.
- (iv) The contact resistance being within the limits for all contact pads for an ICC.

(g) Stability against UV Exposure.-The pre-printed layer of the card material shall show no visible degradation of the print quality under the following conditions, namely:-

- (i) Exposure to UV lighting for 21 minutes at UV irradiance of 0.12 mW/mm² at 254nm wavelength.
- (ii) The cards shall be exposed to such UV light source as per the testing procedure defined in ISO/IEC 10373-1 section 5.11. After the exposure cycle, the cards shall be tested for the following, namely:-
 - (a) The dimension of the card.
 - (b) Card war page and surface distortion.
 - (c) Bending stiffness test.
 - (d) The contact resistance being within the limits for all contact pads for an ICC.
 - (e) Visual print quality for the pre-printed layers, which shall not show any visible degradation, discolouring, change of surface finish order lamination.

(h) Print Quality. – (a) The print shall be verified for the visual appearance of the pre-printed layers, which must not show any visible degradation, discolouring, change of the surface finish, change of the surface colours, and presence of visible unwanted colour marks under the following conditions, namely:-

- (i) Temperature of 0°C with a relative humidity of 10%.
- (ii) Temperature of 46°C with a relative humidity of 90%.

(b) The temperature and relative humidity shall be established in the environment control chambers and the cards shall be exposed for 20 minutes in the corresponding environment condition. After the exposure,

the card shall be visually inspected for the print quality on the pre-printed layers of the card material.

- (i) **Electrical Contacts (applicable for ICC, or contact smart cards only. – (1).** The cards shall provide the following contacts at location as defined in ISO/IEC 7816-2, namely:-

- (i) C1: supply power input (VCC).
- (ii) C2: reset signal input (RST).
- (iii) C3: clock signal input (CLK).
- (iv) C5: ground (GND).
- (v) C7: bidirectional serial data (I/O).

(2). The maximum and minimum currents and potential on each of these contacts are as defined in ISO/IEC 7816-3.

- (j) **Mechanical Strength of Card Contacts (applicable for ICC, or contact smart card only).-**

- (i) The card should resist damage to its surface, to any components contained in it, and should remain intact during normal use, storage and handling.
- (ii) Each contact surface and contact area (entire galvanic surface) shall not be damaged by a working pressure equivalent to a steel ball of diameter 1mm applying a force of 1.5N.
- (iii) The test shall be carried out by applying the pressure as mentioned above of or 5 minutes and checked for card being functional for the presence of ATR in an ISO 7816-3 compliant reader.

- (k) **Electrical Resistance of Card contacts (applicable for ICC, or contact smart cards only).** - The contact resistance of a card contact pad as defined in ISO/IEC 7816-2 should be less than 0.5 Ω between two points on the same contact pad at a distance of 1.5mm. The card shall be tested for all the five contacts as specified in section 13 of this document at random locations within the contact.

III. **Specifications for Printing on the finished card surface. –(a) Printing Requirements on finished cards.** - The finished cards shall be as per the specifications outlined in this document. The finished cards shall then be subjected to personalisation – electronic as well as visual on the card surfaces. Typically, dye sublimation printing is used for visual personalisation. These tests shall be performed after printing on the card surfaces – both bottom as well as top, using the standard card printers being used in the field for visual personalisation. The printing of text and photograph for the testing shall be as typical of any driving license and vehicle registration certificate and as specified in the visual layout for the same.

- (b) **Ink Adhesion.** - (i) The personalised printing on the cards shall show good quality ink adhesion as indicated below. (Ref: IPC-TM- 650 Test Method Number 2.4.1 for Adhesion Tape testing).

- (ii) With the tape and procedure as described in the test method, the evaluation shall be carried out. The visual examination of the tape used for the testing and the test area of the substrate will be carried out for the ink adhesion performance of the specimen in the following grades, namely:-

Grade 1: No removal of ink (tape will not show any marking of the ink when peeled off).

Grade 2: Slight removal of ink (tape will show markings of the ink but the ink impressions on tape adhesive side will not be readable) amounting to <10% of ink removal.

Grade 3: High removal of ink (the ink impression on the tape adhesive side will be readable) amounting to more than 10% of ink removal.

(c) Exposure to the environmental parameters. - (i) The visually personalized cards shall be tested for ink adhesion after exposing it to the following two environment conditions, namely:-

(A) 5°C at 10%RH; and

(B) 40°C at 85%RH.

(ii) The exposure for each of these two conditions shall be for one hour in the environment and the ink adhesion test will be performed immediately after the exposure. The specimen shall show Grade 1 quality for both tests.

(d) Exposure to UV. - The visually personalised cards shall be exposed to UV lighting for 21 minutes at UV irradiance of 0.12 mW/mm² at 254nm wavelength as per the testing procedure defined in ISO/IEC10373-1 section 5.11. Immediately after the exposure cycle, the visual personalisation shall be tested for the ink adhesion. The specimen shall show Grade 2 or Grade 1 quality for the test.

(e) Stacking and layering. - When visually personalised cards are stacked together in a stock of 5 cards and applied 1.5 Kg dead weight from the top, kept for 2 days at 40 ± 3°C, 80% RH, no printing on the card surfaces shall show any adverse effect discolouration or colour transfer to adjacent cards. The cards after subjecting to this test shall be tested for ink adhesion. The specimen shall show Grade 1 quality for the test.”.

[F.No.RT-11028/24/2016-MVL]

PRIYANK BHARTI, Jt.Secy.

Note : The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) vide notification number G.S.R.590(E), dated the 2nd June, 1989 and last amended vide notification G.S.R. 1225(E), date 20.12.2018.

ANNEXURE M

FORMAT OF SERVICE LEVEL AGREEMENT

This services agreement (“**Agreement**”) is entered on this

BY AND BETWEEN

- I. Transport Department, Government of Andhra Pradesh represented by **Transport Commissioner**, having his office at **III Floor, NTR Admn. Block PNBS Complex, Vijayawada, Pin code – 520002** hereinafter referred to as the “**Transport Department**” (which term or expression, unless excluded by or repugnant to the subject or context, shall mean and include its successors-in office and permitted assigns).

AND

- II. **M/s..**, a company registered under the Companies Act, 1956 having its registered office at, **represented by director sri.....S/o** hereinafter referred to as “**Service Provider**” (which term or expression, unless excluded by or repugnant to the subject or context, shall mean and include its successors in interest and permitted assigns).

*(The Transport Department and the Service Provider are hereinafter individually Referred to as “**Party**” and collectively as “**Parties**”).*

WHEREAS:

- (A) The Transport Department issued a request for RFP document vide tender number dated (“**RFP**”) for selection of a service provider, through a competitive bid process, *inter alia* in connection with provision of RFP
- (B) Pursuant thereto, the Transport Department selected the Service Provider as the successful Service provider for implementation of the Project and issued a Letter of Award dated: (“**LOA**”) awarding the Project to the Service Provider. The Service Provider accepted the LOA *vide* its letter dated:
- (C) The Parties hereby enter into this Agreement to set forth and record the terms and conditions according to which the Service Provider shall implement the Project.

I. NOW THEREFORE, the Parties mutually agree as follows:

The following documents and conditions shall be deemed to form be read and construed as a part of this agreement

1. RFP number and subsequent Corrigendum issued by APTD
2. Technical bid submitted and clarification submitted by you

3. Financial bid
4. Scope of work
5. This Agreement shall come into force from the Effective Date and shall be valid for period of 5 (Five) years (“**Contract Period**”) unless terminated in accordance with RFP.
6. In addition to the rights available to the Transport Department under other applicable provisions under Contract Documents, the Transport Department shall have the unconditional right to invoke and encash the Performance Security and shall be entitled to recover from such Performance Security, any amounts which may become due to the Transport Department from the Service Provider.
7. The Transport Department may in its sole discretion extend the Contract Period up to a period
8. This Agreement shall be governed by the laws and procedures established by Government of Andhra Pradesh, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing
9. The Courts at Vijayawada, Andhra Pradesh, India shall have jurisdiction over all matters arising out of or relating to this Agreement.
10. The Contract Price shall be inclusive of all present and future value added tax, sales tax, service tax, duties, fees, levies, charges, and commissions under the Applicable Laws.
11. Your acceptance LOA

II. Inconsideration of the payments to be made by the Transport Commissioner to the service provider as herein after mentioned. The service provider hereby covenants with the Transport Commissioner to provide the services and remedy defects therein conformity in all respects with the provisions of the RFP

III. Transport Commissioner hereby by Covenants to pay the service provider in consideration of provision of the services and the remedying the defects therein. The Price or such other sum as may become payable under the provisions of the RFP at the times and in the manner prescribed Contract.

IV. Deliverables and Documents as per RFP clause 1.2.3

IN WITNESS WHEREOF THE, PARTIES HAVE EXECUTED AND DELIVERED THE AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED for and on behalf of the Department by

Signature:

Name:

Designation:

Witness

Name:

Address:

Sign:

SIGNED SEALED AND DELIVERED for and on behalf of the Service Provider by

Signature:

Name:

Designation:

Witness

Name:

Address:

Sign: