

भारत सरकार / GOVERNMENT OF INDIA
अंतरिक्ष विभाग / DEPARTMENT OF SPACE
विक्रम साराभाई अंतरिक्ष केंद्र / VIKRAM SARABHAI SPACE CENTRE
तिरुवनंतपुरम / THIRUVANANTHAPURAM – 695 022

विज्ञा. सं. वीएसएससी/पी/विज्ञा./352/2023 दि. 04.07.2023
ADVT. NO. VSSC/P/ADVT/352/2023 DT. 04.07.2023

भारत के राष्ट्रपति के लिए तथा उनकी ओर से वरिष्ठ प्रधान, क्रय एवं भंडार, विक्रम साराभाई अंतरिक्ष केंद्र (वीएसएससी), तिरुवनंतपुरम, निम्नलिखित के लिए मोहरबंद निविदाएं (क्रम सं. 1 के लिए) तथा, ई-प्रापण के ज़रिए निविदाएं (क्रम सं. 2, 3 और 4) आमंत्रित करता है।

For & on behalf of the President of India, the Sr. Head Purchase & Stores, Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram invites Sealed Tender (for Sl. No. 1) & Tenders through e-procurement (for Sl. No. 02, 03 & 04) for the following :-

क्रम सं. Sl. No	निविदा सं. Tender No.	वर्णन / Description	मात्रा Qty.	निविदा शुल्क Tender Fee
01.	B220-2023-1426-01 [एकल भाग / SINGLE PART]	अशोक लैलांड एवीटीआर यूए 1920 के 4750 मि.मी. पहिया आधारित चैसी पर फ्लैट बेड ड्रॉप साइड डेक (डीएसडी) का संविरचन Fabrication of Flat Bed Drop side Deck (DSD) body on 4750 mm wheel based chassis of Ashok Leyland AVTR UA 1920	1 सं./ No.	रु. 560/-
नोट:- विनिर्देशन तथा विस्तृत निबंधन एवं शर्तें निविदा दस्तावेज़ के अनुसार Note :- Specification and detailed terms & conditions as per Tender document				
02.	VSSC/PURCHASE UNIT I (MAIN PURCHASE)/ VS202300153501 [दो भाग / TWO PART]	1 मी. प्रघात सुरंग तथा 1 मी. अतिध्वनिक पवन सुरंग की विद्यमान डेटा अर्जन प्रणाली का कोटि उन्नयन Upgradation of existing data acquisition system of 1m shock tunnel and 1m hypersonic wind tunnel	6 सं./ Nos	
03.	VSSC/PURCHASE UNIT I (MAIN PURCHASE)/ VS202300318101 [दो भाग / TWO PART]	वीएसएससी की बहु-विधात्मक उत्पाद इंजीनियरी प्रयोगशाला-II के लिए आंतरिक सजावट कार्य Interior works for Multi-disciplinary product engineering lab-II at VSSC	1 सं./ No.	लागू नहीं / NA
04.	VSSC/PURCHASE UNIT I (MAIN PURCHASE)/ VS202300187001 [दो भाग / TWO PART]	उपसाधनों सहित गैस बूस्टर पैकेज की आपूर्ति, संस्थापन तथा कमीशनिंग Supply, Installation and Commissioning of Gas Booster Package with accessories	1 यूनिट/ Unit	

निविदा प्राप्त करने की अंतिम तिथि / Due Date for Receipt of Tender (क्रम सं. / Sl. No. 1)	25/07/2023 up to 16:00 Hrs.
निविदा खोलने की तिथि / Tender Opening Date (क्रम सं. / Sl. No. 1)	26/07/2023 at 10:00 Hrs.

क्रम सं./ Sl. No.	बोली प्रस्तुत करने की समय-सीमा Time limit for submission of Bid	बोली खोलने की तिथि Bid Opening date
02.	Upto 21.07.2023 [14:00 Hrs.]	21.07.2023 [14:30 Hrs.]
03.	Upto 17.08.2023 [14:00 Hrs.]	17.08.2023 [14:00 Hrs.]
04.	Upto 03.08.2023 [14:00 Hrs.]	03.08.2023 [14:30 Hrs.]

दिनांक 12.07.2023 को (10:00 बजे) पीआरओ सम्मेलन कक्ष, वीएसएससी, तिरुवनंतपुरम में बोली-पूर्व बैठक निर्धारित है (क्रम सं. 1 के लिए)। A Pre-Bid meeting is scheduled on 12.07.2023 [10:00 Hrs.] at PRO Conference Hall, VSSC, Trivandrum (for Sl. No. 1).

दिनांक 10.07.2023 को (10:00 बजे) पीआरओ सम्मेलन कक्ष, वीएसएससी, तिरुवनंतपुरम में बोली-पूर्व बैठक निर्धारित है (क्रम सं. 2 के लिए)। A Pre-Bid meeting is scheduled on 10.07.2023 [10:00 Hrs.] at PRO Conference Hall, VSSC, Trivandrum (for Sl. No. 2).

दिनांक 14.07.2023 को (14:42 बजे) वीएसएससी, तिरुवनंतपुरम में बोली-पूर्व बैठक निर्धारित है। (क्रम सं. 3 के लिए)। A Pre-Bid meeting is scheduled on 14.07.2023 [14:42 Hrs.] at VSSC, Trivandrum (for Sl. No. 3).

तिथि / समय में परिवर्तन हेतु कोई अनुरोध स्वीकार नहीं किया जाएगा। No change in date / time will be entertained. पूछताछ / सहायता के लिए कृपया संपर्क करें / For any queries / assistance, please Contact : 0471 2563522 / 2563523, ई-मेल / E-mail : spsd_psd@vssc.gov.in / ps02_main_pur@vssc.gov.in / ps01_main_pur@vssc.gov.in

विशेष टिप्पणी/Special Note:-

विदेशी विक्रेताओं को निविदा प्रस्तुत करने की अनुमति नहीं है। मेक इन इंडिया नीति के अनुसार केवल श्रेणी-I और श्रेणी-II के स्थानीय आपूर्तिकार इस बोली में भाग लेने हेतु पात्र हैं। विदेशी ओईएम से सीधे प्राप्त उद्धरणों/या विदेशी ओईएमओं की ओर से उद्धरण प्रस्तुत कर रहे एजेंटों को इस निविदा में भाग लेने की अनुमति नहीं है।

Foreign vendors are not permitted to quote. Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid. Quotations directly from foreign OEM/ or from agents quoting on behalf of foreign OEMs are not allowed to participate in this tender.

क्रम सं. 1 की निविदा के लिए ईएमडी लागू है / EMD applicable for tender at Sl. No. 1

क्रम सं. 2, 3 और 4, विवरण ई-प्रापण पोर्टल <https://eproc.vssc.gov.in> पर उपलब्ध है।
For Sl. No. 2, 3 & 4, details are available on ISRO e-procurement portal <https://eproc.vssc.gov.in>

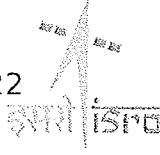
शुद्धिपत्र, यदि कोई हो तो, हमारे वेबसाइट www.vssc.gov.in / www.isro.gov.in में मात्र प्रकाशित किया जाएगा।

Corrigendum, if any will be published in our websites : www.vssc.gov.in / www.isro.gov.in only.

हस्ताक्षरित/Sd/-

वरि. प्रधान, क्रय एवं भंडार / Sr. Head, Purchase & Stores

भारत सरकार
अंतरिक्ष विभाग (अं.वि.)
विक्रम साराभाई अन्तरिक्ष केन्द्र
तिरुवनन्तपुरम -695022
क्रय एवं भंडार



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE (DOS)
VIKRAM SARABHAI SPACE CENTRE
THIRUVANANTHAPURAM 695022
PURCHASE UNIT-I,MAIN PURCHASE,RFF AREA
Ph No. 0471-2563139,3676,3522,3523 Fax. 0471-2705092 / 2562065
e-mail : spso_psd@vssc.gov.in

निविदा आमंत्रण
INVITATION TO TENDER

मैसर्स
M/s

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हमारी संदर्भ सं

Our Ref. No. B220 2023-001426-01

निविदा अंतिम तिथि

Tender Due at 10 AM IST on 26/07/2023

महोदय

Dear Sirs,

कृपया निम्नलिखित मदों की आपूर्ति के लिए अनुलग्नक (फार्म सं. संलग्न) में उल्लिखित निबंधन एवं शर्तों के अनुसार संलग्न निविदा प्रपत्र में वर्णनात्मक सूचीपत्र/पैम्फलेट/साहित्य सहित हमारी संदर्भ सं. एवं अंतिम तिथि (मोटे अक्षरों में) ऊपर लिखते हुए अपनी मुहरबंद निविदा प्रस्तुत करें।

Please submit your sealed quotation , in the Tender Form enclosed here along with the descriptive catalogues /pamphlets /literature ,superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No. null)

क्र.सं. Sl. No.	विनिर्देशों सहित मद का विवरण Description of items with Specifications	इकाई Unit	मात्रा Quantity
1	Fabrication of flat bed Drop side Deck(DSD)body on 4750mm wheel based chassis of Ashok Leyland AVTR UA 1920 as per CMVR 1989, AIS, MV Act 1988 and our Specifications is enclosed in Annexure-1,Scope of works, Terms & conditions in Annexure-2, Drawing	Nos.	1

सुपुर्दगी स्थल

Delivery At TOMD, VSSC

प्रेषण की विधि

Mode of Despatch ON SITE

शुल्क छूट

Duty Exemptions

विशेष अनुदेश

Special Instructions NIL

विशेष निबंधन

Specific Terms

निविदाकारों को अनुदेश

Instructions to Tenderers

A pre bid meeting will be arranged at VSSC, Thiruvananthapuram on 12/07/2023 at 10 AM in PRO Conference Hall .

FABRICATION OF FLAT BED DROP SIDE DECK BODY ON ASHOK LEYLAND AVTR UA 1920

To be constructed as per CMVR 1989, AIS and MV Act 1988 (as amended from time to time) of India as applicable		
(Dimension ± 10 mm unless mentioned)		
Sl. No.	Description	Specification
1.	TRUCK CHASSIS	
1.1	Make & Model	Ashok Leyland AVTR UA 1920
1.2	Chassis Type	Heavy capacity commercial vehicles
1.3	GVW	18500 Kgs (± 10 Kgs)
1.4	Payload Capacity	8000 Kgs for fully built vehicle (Minimum)
1.5	Chassis with built-up cabin	Yes
1.6	No. of Cylinders	6
1.7	Engine Capacity	5760cc
1.8	Engine BHP Max.	200 HP @ 2300-2500rpm
1.9	Engine Torque Max.	700 Nm @1500-2000rpm
1.10	Vehicle Air Intake System	Turbo Charged Inter-cooled
1.11	Type of Fuel	Diesel
1.12	Vehicle Emission Compliance	BS-VI
1.13	Vehicle Mileage	4.8 kilometer per litre
1.14	Fuel Tank capacity	300 litre
1.15	Clutch	Single dry plate clutch with air assisted hydraulic brake booster
1.16	Transmission type	Manual Synchronesh Transmission with overdrive
1.17	No. of Forward gears	6
1.18	Top Speed (kmph)	80
1.19	Type of Wheel Drive	Two Wheel drive - Rear wheel drive
1.20	Axle Configuration	4 \times 2
1.21	Front Axle	Dead forged 'I' section

1.22	Rear Axle	Fully floating live rear axle
1.23	Type of Steering	Power Steering
1.24	Turning Circle Diameter	17 metre (Maximum)
1.25	Suspension	Multi leaf spring suspension
1.26	Braking System	Full dual line air braking system with ABS
1.27	Chassis frame	High Speed Steel - 'C' section
1.28	Tyre	7 Nos. of 295/90R20-16 PR Radial Tyres with Tube & Flap.
2.	OVERALL DIMENSIONS	
2.1	Wheel base	4750mm
2.2	Front overhang	1550mm
2.3	Rear overhang	2250mm
2.4	Overall width	2600mm
2.5	Overall length	8550mm
3.	OPEN TYPE FLAT LOAD BODY SPECIFICATION	
3.1	Open Flat type load body construction on Ashok Leyland AVTR UA1920 Series AC sleeper cabin	Ashok Leyland AVTR UA1920 series 4750mm wheel base chassis with factory built air conditioned sleeper type driver cabin fitted with 'H' series 200HP BS-VI diesel engine, 6 speed gearbox, 300 litres fuel tank, 7 nos. of 295/90-R20 Radial Tube Tyres and standard Accessories & Tools will be supplied as Free Issue Material (FIM) by VSSC.
3.2	Type of body	The scope of works includes the construction of a flat load body deck with droppable side & rear door. The side doors shall be of removable type to provide provision for mounting containers on the flat bed. The side doors shall be connected using hinged joints at lower side. Mechanical interfaces for mounting reinforcement pillars also shall be provided as per the attached drawing. Provisions for anchoring load shall be provided on the sides of the flat load body deck. Slot provisions as per drawing shall be provided on the platform to mount the containers.
3.2	Load body Exterior length	6100mm Minimum
3.3	Load body Exterior width	2600mm (Including distance of hinges & hooks.)

3.5	Cab and load body gap	150mm Minimum
3.6	Payload Capacity Required	Minimum 8 TON. (The design computation shall be made to meet a payload carrying capacity of minimum 8 tonne for flat bed.)
3.7	Sub Frame Long Member	Sub frame long member made of Formed steel as per IS 2062 E250 with adequate strength to bear impact loads. 1) The subframe is a part of the bodywork and does not reinforce the chassis. 2) The subframe is attached to the chassis by means of various kinds of jointed fasteners (pivoted, one way flexible, u-bolt etc.). The attachments or attachment plates are bolted or welded to the subframe.
3.8	Cross Members/Bearers	Sufficient number of Cross members made of Formed steel to meet the required loading conditions and payload as per IS 2062 E250 is to be provided.
3.9	Mounting of the load body or load platform	1) The mounting arrangement for load body shall ensure adequate rigidity of body with the chassis. 2) The mountings shall ensure adequate resistance against lateral/transverse movement of load body in case of braking or sudden acceleration or cornering or while driving on slopes. 3) Suitable compressible packing (such as rubberized ballatta duck) may be used between the chassis and body frame. Thickness of such packing shall be selected to ensure uniform load distribution over chassis frame even in case of minor waviness or twist in the chassis frame/sub-frame. 4) Sub frame shall be mounted on chassis by means of attachment/cleat plates or out-tigger brackets or 'u' bolts with spacer/stiffeners to prevent buckling and using self locking or anti-vibration hardware for fastening. 5) Sufficient number of L-Shaped MS Angles suitable size and numbers are to be provided for supporting the load body platform. 6) Sufficient number of platform & subframe reinforcement shall be done as per the attached drawing for container loading.

3.10	Head & side Body Panels	<ol style="list-style-type: none"> 1) Head board and side board panels made of Galvanized (GI) corrugated panels as per IS 277:2003 (112mm pitch Max.) 2) Hinged Side door made of Square tubes approx. 50x50x2mm thick as per IS:4923, YST 240 3) Floor panel made of minimum 8mm thick MS chequered sheet as per IS:2062. Floor panel shall be CED coated. 4) Hinged Tail (rear) door made of approx. 60x40 box structure covered with 1.5 mm thick Galvanized (GI) formed panels as per IS 277:2003 5) Side and Rear door hinges to mount on Floor structure at lower side using bolt & nut to make it removable whenever required. Sufficient number of hinges for attaching the side doors at a pitch of maximum 800mm shall be provided. Payload anchoring hooks shall be provided in between the hinges. 6) Heavy duty mounting pillars (posts) strong enough to bear the weight of side & rear door shall be provided. All posts shall be made of removable type and fitted to the platform using bolt & nut.
3.11	Body Construction Requirements	<ol style="list-style-type: none"> 1) In constructing the body or load platform, all practicable steps shall be taken to keep the centre of gravity of the vehicle as low as possible. 2) The construction of the body or load platform shall be such as not to impair the soundness and functioning of the wiring and braking circuits. 3) The load body shall be constructed over a sub-frame to distribute the load evenly on the chassis frame and also to create gap between body and tyre/chassis for wheel articulation. 4) The material used for sub-frame construction shall be steel or aluminium alloy or any composite material with adequate strength to bear impact loads. 5) The sub -frame shall be angled, curved or forked in the front.

3.12	Loading Platform Type	<ol style="list-style-type: none"> 1) Flat type loading platform without wheel arch projection in loading platform area and shall be at minimum possible height. 2) The floor shall be rigidly supported on the cross member without any projections on floor surface. 3) The section of floor and floor supports in the cross member shall be pitched or spaced to achieve distributed loads even in case of concentrated loads such as steel coils or fork lifts etc. 4) The platform shall be provided with 8 mm thick MS chequered plate.
3.13	Container anchoring provision	16mm thick MS plates shall be welded in the platform for reinforcement wherever slots for mounting containers as given in the drawing.
3.14	General	<ol style="list-style-type: none"> 1) Any additional pillars, cross member, if required at the time of design clearances shall be incorporated in the fabrication drawing. 2) The structure shall be fabricated using superior quality branded GI tubes/sheets of Kalinga, Apollo, JSW, or similar make. All other structure materials used shall also be of GI materials. The GI coating shall be minimum 120GSM. 3) All welded joints shall be cleaned thoroughly and apply zinc-rich at the earliest. Double coat primer shall be applied on all structures. The final painting or paneling work shall be carried out only after the stage clearance from the inspection team.
4	SAFETY REQUIREMENTS	
4.1	Crash Guard or Head board or Cab Rear Wall	A crash board capable to withstand 20% of rated pay load (GVW-ULW), the maximum however being 5000kgf shall be provided as per AIS-029 for protection of occupants of driver cab from forward shifting of loads in load body on sudden braking. This may be detachable. Its width shall be equivalent to the width of cab and height shall be at least 800mm.
4.2	Retro Reflecting markings and Side Marker Lamps	Retro-reflectors and LED type side marker lamps shall be provided as per the requirements stated in AIS-008, as amended from time to time. The reflective markings shall meet the requirements stated in AIS-089, amended from time to time. The reflective markings shall meet the requirements stated in AIS-089, as amended from time to time and as notified under Central Motor Vehicle Rules, 1989 (as amended from time to time).

4.3	Lateral/side Under -run protection(SUPD)	The lateral or side under-run protective device (SUPD) shall be as per requirements of IS:14682, as amended from time to time. The device may be mounted on the load body or the chassis. No other vehicular safety part or the system shall be attached to the lateral protection device.
4.4	Rear Under -run protection(RUPD)	The rear under-run protection device (RUPD) shall meet the requirements of IS:14812, as amended from time to time.
4.5	Modification of chassis and/ or chassis related components	Unauthorised alteration shall not be permitted on the chassis or any of its aggregates or components.
4.6	Corrosion Protection	The quality of the surface treatment shall be done as per the test methods specified in JIS D0202 or equivalent BIS standard.
4.7	Battery cut -off switch or Isolation switch	A manually or electrically operated superior quality isolation switch or battery cut-off switch, which is capable of disconnecting the battery terminal from the electrical circuit shall be provided and fitted at an easily operable location near driver seat.
4.8	First aid box	First Aid kit containing items notified under Rule 138(4)(d) of central Motor Vehicle Rules, 1989 shall be provided in the truck cab.
4.9	Fire Extinguisher	1 Nos. of 5kgs. capacity dry carbon powder type Fire Extinguisher, capable of extinguishing ABC class fires shall be fitted with locking provision. The fire extinguisher shall be secured against tampering and shall be easily accessible to incumbent. Also the location shall be marked clearly.
5	OTHER FITMENTS	
5.1	Tar Sheet	High quality tar sheet shall be provided above the roof.
5.2	National Permit Board	A board with the inscription "National permit" in blue letters on white background shall be provided on front top of the driver cabin.

5.3	Stickers or Marking	<p>"Govt. of India" marking in English and "भारत सरकार" marking in Hindi shall be done on front windshield glass, RH side DSD panel, LH side DSD panel and on rear door.</p> <div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> GOVT. OF INDIA </div> <p>Background Colour: White Background of height: 200mm Font: Bookman Old Style (Bold) for English Font Colour: P.O. Red Font height: 140mm</p>
6	OTHER SPECIFIC REQUIREMENTS	
6.1	Wheel Hump	Wheel hump construction is not permitted in platform.
6.2	Wind Deflector	Suitable wind deflector having sufficient strength shall be provided.
6.3	Welding	Complete MIG welding as per ALS 276.04 shall be used for fabrication.
6.4	Fasteners	8.8 and 10.9 Grade as applicable
6.5	Stowage Space	Storage space, for keeping driver/co-passenger personal belongings and utility items like tarpaulin, manila rope, assorted tools etc. shall be provided in any suitable part of the load body. The maximum load capacity of such a stowage space shall be specified on a plate fitted outside the stowage space.
6.6	Surface Preparation	Spray Phosphating as per ALS 268.03 CLASS C.
6.7	Painting	<p>Painting and National permit marking shall be done as specified for National Permit Truck in CMVR 1989 or its latest amendment.</p> <p>Superior quality paints of reputed make such as ICI, Asian, Berger, Nerolac, Akzo Nobel or Equivalent shall be used.</p> <p>Stoving Epoxy Primer & Stoving Top Coat with 60 microns Dry Film Thickness (DFT).</p>

GENERAL CONDITIONS FOR BODY BUILDING:

1. Any clarifications regarding fabrication must be obtained before giving your quote.
2. All body materials used shall be of reputed manufacturers such as Kalinga, Apollo, JSW (Jindal), Bhushan, Hindalco, Balco, Tata steel, TMT, Vizag steel or equivalent and shall be new, free of rust/corrosion. If required by the inspection team, the documents and test certificates of materials used shall be shown to the inspection team for verification.
3. All other materials & electrical accessories used shall be of reputed manufacturers and type approved wherever applicable. If any items used are found to be inferior by the inspection team, the same shall be replaced with recommended quality material.

PRECAUTIONS TO BE TAKEN DURING BODY BUILDING:

1. Body building instructions and CMVR requirements given by the truck chassis manufacturer shall be followed during fabrication of truck.
2. Battery shall be removed and kept in safe location during body building. Its condition shall be checked regularly and if required, it shall be charged.
3. Wheel arch to tyres clearance shall be so provided as to avoid tyre fouling with the wheel arch even in extreme conditions. Recommended vertical clearance by the OEM as measured in unladen condition to be complied strictly.
4. Working clearance required for drop arm movement, axle articulation, suspension movement, variation in propeller shaft drive lines, flexible pipes, bumper clearance. etc., must be provided.
5. Precautions for Electronic Diesel Control System (EDC), Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR) given by the vehicle manufacturer shall be followed strictly during body building.
6. The EDC shall be disconnected from the harness and a dummy cap/cover with plastic bags shall be put on the ECU connector. There should be no ingress of water through the wiring harness on the ECU. The ECU as such shall be covered in a box so that if any washing is done the ECU will be protected.
7. Before welding, the following shall be followed mandatorily.
 - a) Disconnect the battery terminals (both positive & negative terminal of 24V supply).
 - b) Disconnect two connectors of the ECU and have the panel cover refitted.
8. Ensure that the intermediate connector (supply +ve and -ve for ECU) between the DC to DC converter and wiring harness is properly locked and intact.



SCOPE OF WORKS, TERMS AND CONDITIONS

1. Scope of work:

Design and Fabrication of Flat Bed Drop Side Deck (DSD) body with removable & open able full width side doors with supporting channels, rear doors for Ashok Leyland AVTR UA1920 series as per the specification attached in Annexure-1, Scope of work, Terms and conditions in Annexure-2, Drawing in Annexure-3. The VSSC specifications shall be followed maintaining minimum requirements as per AIS-093, CMVR 1989, MV Rules 1988 of India and its latest amendments time to time. Any clarification regarding VSSC specifications shall be obtained from VSSC before offering quotation.

2. General design and key requirements:

Design and fabrication of Flat bed Drop Side Deck (DSD) body with removable & openable full width side doors, rear door Ashok Leyland AVTR UA1920 series chassis for a minimum payload capacity of 8Ton, 6100 mm minimum loading span, battery cut-off switch, first aid box, fire extinguisher, stowage space, Open flat platform without wheel arch projection in loading platform area, mudguard with suppression mat, lashing hooks, Painting as per National Permit guidelines and having specifications as per **Annexure - 1**.

In constructing the body or load platform, all practicable steps shall be taken to keep the centre of gravity of the vehicle as low as possible.

After design and analysis for a payload of 8 Ton capacity, the detailed fabrication drawing for the same shall be submitted & cleared by VSSC. The required material Procurement/Fabrication of load body shall be commenced only after design & fabrication drawing cleared by VSSC.

3. Statutory regulation to be followed:

The fabrication of Open flat body Truck must comply with all applicable Automotive Industry Standards (AIS), CMVR 1989, Kerala MV rules and Motor Vehicle Act 1988 of Govt. of India.

If any statutory regulation is issued vide further amendments from ARAI/CIRT/ICAT, bidder is liable to take approval for the same and build Flat Bed Drop Side Deck body as per the latest amendments so that vehicle can be registered without any objection by RTA. After delivery of the fully built Flat Bed Drop Side Deck body vehicle at our site, if RTA suggests any modification to comply with any applicable standards for registration, you are liable to do the same without any additional cost at VSSC, Thiruvananthapuram so that the vehicle can be registered.

4. Collection of chassis and Delivery of fully built open truck:

Chassis for fabrication shall be collected from VSSC, Thiruvananthapuram by the party. After fabrication and final clearance by VSSC, the vehicle shall be delivered back to VSSC, Thumba, Thiruvananthapuram. Bank guarantee/All risk insurance policy for the value of the chassis (approx. Rs. 26,24,154.00 lakh per chassis) shall be submitted by the party before taking the chassis from VSSC for body building works. Bank guarantee will be returned back only after the successful completion & acceptance of work and delivery of the vehicle safely at VSSC site.

After the final clearance from VSSC inspection team, the fully built vehicle along with necessary documents for registrations shall be delivered to VSSC within 60 days (excluding time taken for inspection by VSSC after receipt of inspection call letter) from the date of collection of chassis from VSSC

Being a Govt. of India organization, the vehicle is exempted from taking insurance. Hence, the party is held responsible for the safe transportation, fabrication and delivery back to VSSC.

5. Inspection

Normally 3 stage inspection i.e., structural, paneling and finishing stages will be conducted by VSSC inspection team during the body building work as follows. If necessary, we may also have pre-body building discussion & inspection of similar body built by you.

First stage inspection: After completion of all structural fabrication before applying primer. During first stage inspection, necessary arrangements shall be made to sand blast the structure and apply the primer.

Second stage inspection: After completion of paneling of vehicle, second stage inspection will be conducted.

Final stage inspection: After finishing, painting & completion of all works in all respect before delivery of the vehicle. Necessary arrangements shall be made to carry out road testing of the vehicle during inspection.

During the inspection, any minor modification and corrective works if found necessary by the inspecting team, shall be carried out as per the instruction of the inspection team without any additional cost. If the quality of work done is not satisfactory to the inspection team, you shall do necessary modifications as suggested by inspection team. After completion of the modifications only and next stage work can be started.

All materials used shall be of reputed manufacturers such as Kalinga, Apollo, JSW (Jindal), Bhushan, Hindalco, Balco. If required by the inspection team, the documents and test certificates of materials used shall be shown to the inspection team for verification.

Despatch of the vehicle is allowed only after final inspection and clearance given by the inspection team.

The party shall send the inspection call letters along with the necessary photo proof of completion of each stage well in advance to arrange to depute our team for inspection.

6. Payment terms

80% of the payment shall be released after safe delivery & acceptance of vehicle at VSSC and submission of all necessary documents for registration.

Balance payment shall be made after the successful completion of registration of the vehicles after deducting LD/PBG if anything applicable.

7. Registration of vehicles

All documents for registration shall be in the name of Director, VSSC, Trivandrum.

The vehicle's permanent registration shall be done at "SRTO, KAZHAKUTTOM (KL-22), BUILDING NO.: TC 3/1885/4, VENGAL, KATTAIKONAM P.O., TRIVANDRUM - 695 582, PH: 0471-2411400. Hence, temporary registration shall be taken accordingly.

Form 22, Completion certificate, Certificate of Unladen weight of fully built vehicle, drawing of the completed vehicle and attested copy of any statutory approval necessary for vehicle registration shall be supplied along with the vehicle which is required for registration of vehicles.

You shall provide necessary assistance for registering the vehicles. If the RTO is having any objection or clarification regarding the fabrication and approval, the party shall settle the issues or rectify the issues without any objections.

8. Warranty:

The fully built body shall be guaranteed for a period of two years from the date of receipt of vehicle at our site against all fabrication defects, faulty workmanship, substandard materials, etc. If any defects are noticed after acceptance of the vehicle during the warranty period, it shall be suitably rectified by you at your cost to the utmost satisfaction of VSSC within the reasonable time. Repair work of the vehicle required during the warranty period shall be done by you at TOMD, VSSC, Thumba, Trivandrum using your facilities whenever necessary, if required, you may take the vehicle to your premises to carry out repair by submitting a bank guarantee for the value of the vehicle and shall be delivered back to TOMD, VSSC, Thumba, Trivandrum free of cost.

9. Vendor eligibility criteria:

1. Only ARAI/CIRT/ICAT approved body builders shall eligible to quote and a copy of valid certificate shall be produced along with quotation.

2. Parties within a distance of 1000km from VSSC, Thumba, Trivandrum only will be considered to minimize the time incurred for inspection/clearance during the fabrication.
3. Parties shall have a Minimum 3 year's experience in the field of fabrication of trucks. Necessary proof shall be submitted.
4. **A pre bid meeting will be arranged at VSSC, Thiruvananthapuram on 12/07/2023 at 10 AM in PRO Conference Hall, VSSC** will explain the detailed scope of work, clarify the queries of the parties, physical inspection of the free issue materials (chassis) etc. **Parties who have participated in the pre bid meeting only are eligible to participate in bidding** and also a site visit will be arranged at the same day for verifying at the chassis and similarly fabricated vehicles for the reference before submission of your quote. Any clarifications regarding fabrication must be obtained from VSSC before submitting your quotation.
5. All bidders are requested to go through the detailed specifications, Annexure- 1, Annexure-2, Annexure-3 carefully before submitting the offer. Further, they should also sign all the pages of Annexures having read & accepted the same and it shall be submitted along with the quotation.
6. In case order is placed on you, any defect repair work and maintenance of the vehicle required during 2 years' warranty period shall be done by you at Trivandrum or at our site whenever necessary, free of cost. If required, you may take the vehicle to your premises to carry out repair and it shall be delivered back to TOMD, Thumba, VSSC free of cost.
7. Parties shall have the infrastructure & capability for carrying out all the work as in Annexure-I, Scope of work, Terms & conditions in Annexure-2, Drawing in Annexure-3.

9. Additional Documents required:

1. Detailed drawings and dimensions of structure drawing, finished vehicle with overall dimensions drawing, ARAI/ICAT/CRIT approved drawing and unladen weight slip etc. and all other necessary documents for registration shall be submitted at the time of delivery of the vehicle.
2. A work completion certificate mentioning that the body is built according to the Kerala motor vehicles rules and other applicable Indian standards and a drawing of the completed vehicle with actual dimensions which will be required for producing to RTO after the completion of work shall be provided.
3. All Documents shall be in the name of "The Director, VSSC, Trivandrum".

10. Please specify tax percentage (without 'C' form), if any, in your offer.
11. In order to avail of the benefits extended to Micro and Small Enterprises, Vendors are requested to submit Entrepreneur Memorandum Part – II signed by General Manager, District Industries Centre or NSIC registration details.
12. Performance Bank Guarantee: PBG for 3% of the total order value, issued by a Nationalized/ Scheduled Indian Bank valid beyond 2 months till the completion of warranty period with 2 months claim period shall be provided by you.
13. Liquidated Damages: The delivery date stipulated in the order is the essence of the contract. In case of delay in supplying the items liquidated damages @ 0.5% of the order value per week subject to a maximum of 10% of the order value for the delayed period will be deducted from your bill.
14. Security deposit: - In case of an order, you have to submit an interest free security deposit equivalent to 3% of the total order value in the form of demand draft or Bank Guarantee which will be refunded after due performance of this Contract or shall be adjusted/forfeited against any dues.
15. In case of regret, please send us a letter to that effect.
16. Foreign vendors are not permitted to quote. Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid. Quotations directly from foreign OEM/ or from agents quoting on behalf of foreign OEMs are not allowed to participate in this tender.
17. Fax/email quotations will not be considered. Please send your quotations well in advance by speed post and should reach us before the due date & time. Department will not be responsible for any postal delay.

Drapable Side Deck
6100

Hooks, 19 Nos (typ)

Hinges (typ), 22 Nos

Driver's
Cabin

(Flat 8mm thick plate load body)

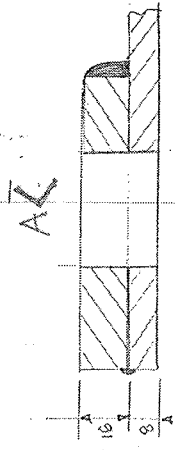
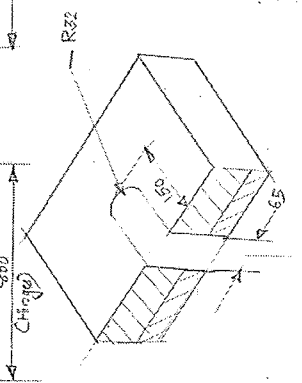
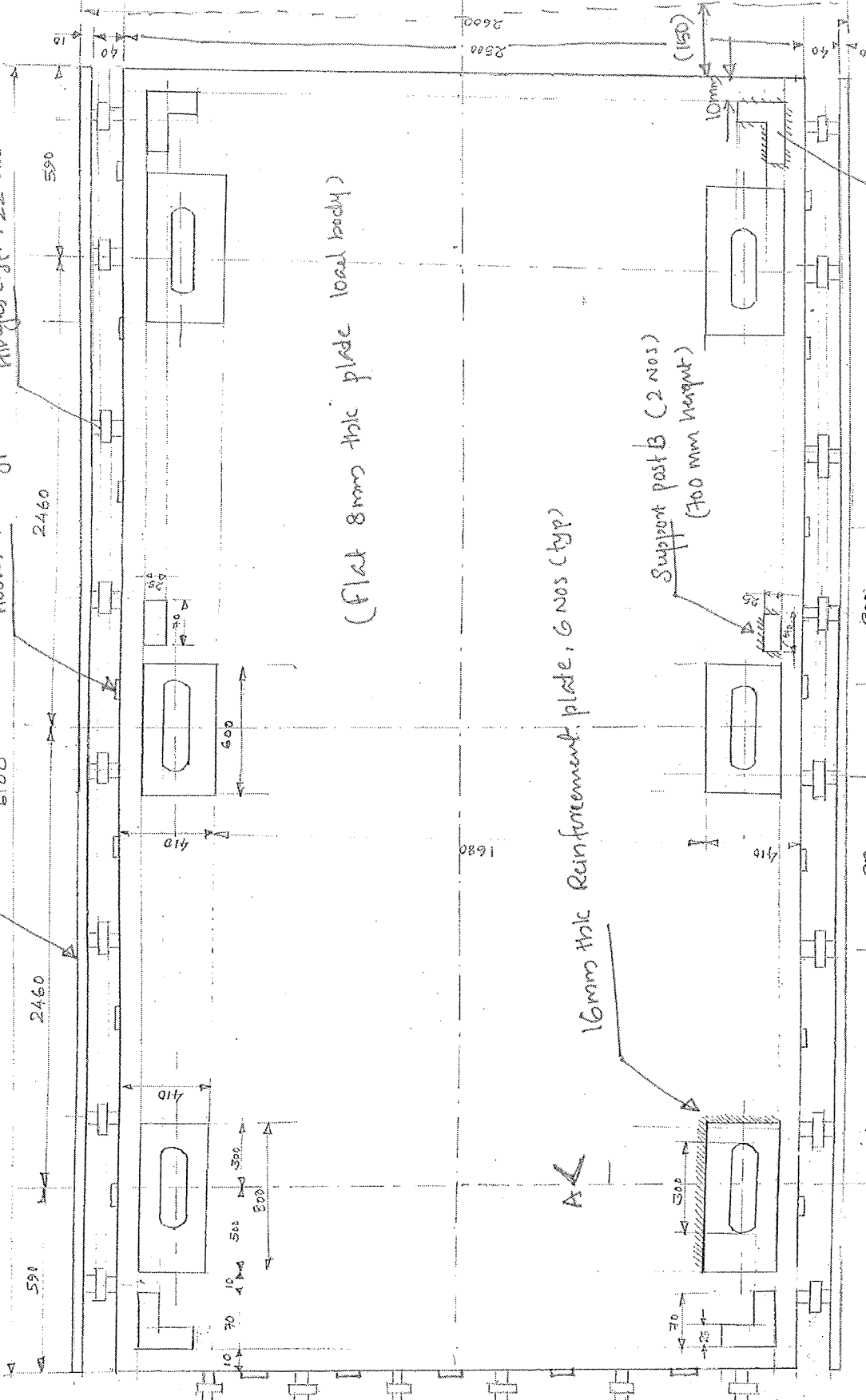
16mm thick Reinforcement plate, 6 Nos (typ)

Support post B (2 Nos)
(700 mm height)

Load body Support post A
(A Nos) (700mm)

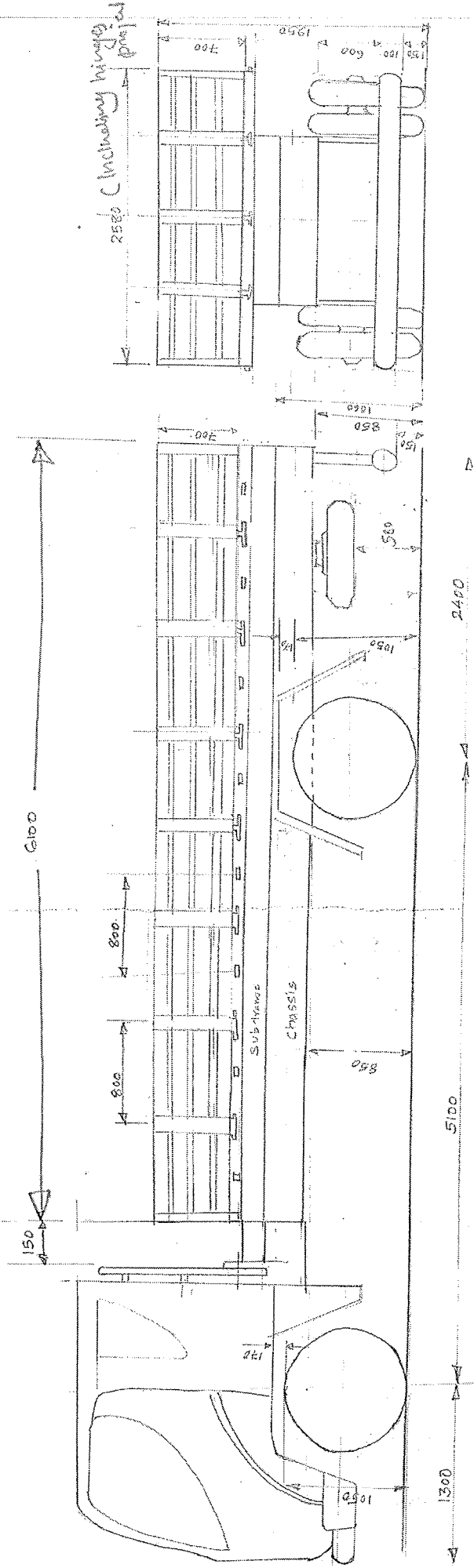
All dimensions are in mm

Sheet 2/2



(Top view)

Section A-A



2550 (Including hinges)
project

All dimensions are in mm.

Sheet No.

COMMERCIAL CONDITIONS

1. Tender Documents can be downloaded from our websites: www.vssc.gov.in / www.isro.gov.in. **Tender Fee (Rs. 560/-) shall be paid through Non-tax & Revenue Receipts Portal (NTRP)(URL: <https://bharatkosh.gov.in>)**. Payment receipt shall be submitted along with the quotation. Other mode of payment is not acceptable. [The tender fee is NON-REFUNDABLE].

Government Departments, PSUs (both Central and State), Small Scale Industries units borne in the list of NSIC, MSME and foreign sources are exempted from submission of tender fee. Those who are coming under the above category should submit documentary evidence for the same.

2. **PAYMENT:** As per clause No. 6 of Annexure-II.
3. Please keep and confirm the offer validity minimum 180 days from the date of opening of tender
4. **Please send the quotations ONLY in 'SEALED COVER' super scribing our Tender Enquiry No. and Due Date by speed post so as to reach us on or before the due date and time. The cover thus prepared should be sent to the following address so as to reach us on or before the due date and time specified in the tender form:**

**Sr. Purchase and Stores Officer,
Purchase Unit-I, Main Purchase,
RFF Area, Vikram Sarabhai Space Centre,
ISRO-PO, Trivandrum-695 022**

VSSC will not be responsible for any postal delays. Email/fax quotations 'WILL NOT BE ACCEPTED'.

5. Basic rate and GST rate with applicable HSN Code shall be shown separately.
6. In order to avail of the benefits extended by Government of India to the Micro and Small sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General manager, District Industries Centre or NSIC or MSME Registration Certificate along with your offer. **[Note: MSME/NSIC vendors are not exempted from submission of SD].**
7. VSSC has a right to cancel the tender without assigning any reason etc.
8. **LIQUIDATED DAMAGES (mandatory compliance required).**
9. **EMD:** The vendors who are not registered with VSSC, shall submit an EMD(Earnest Money Deposit) or Bid Security through **NTRP** for Rs. 15,750/-. The EMD of the unsuccessful vendor will be returned without any interest within 30 days from the date of finalization. Foreign vendors, registered vendors or vendors who have already applied for renewal of registration, Central PSUs/PSEs/Autonomous Bodies/MSMEs etc., shall be exempted from payment of EMD. Vendors seeking exemption from payment of EMD shall submit necessary proof like registration number (vendor code), etc. The quotation submitted by unregistered vendor without EMD will not be considered. The EMD submitted by unregistered vendors will be forfeited in the case of withdrawal of quotation or amendments in quotation or any such deviation in a later period.
10. **SECURITY DEPOSIT (mandatory compliance required):** In the event of placement of order, you should submit Security Deposit @ 3% of the order value of the PO. The Security Deposit shall be valid for a period of 60 days beyond the date of completion and acceptance of the PO/Contract. The Security Deposit will be discharged without any interest after completion and acceptance of the Contractual Obligations. In case if the contractor fails to execute the order after submission of SD, then SD shall be forfeited.
11. VSSC reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT - I,
MAIN PURCHASE, RFF AREA, ISRO P.O
THIRUVANANTHAPURAM - 695 022

Tel. 0471 - 2563139/ 3522/ 3523

Fax :

Email :

TENDER FORM

Tender No. :
Due on :
Ref. No. :
Date :

From:

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

To:

The Sr.Purchase & Stores Officer
Vikram Sarabhai Space Centre
Purchase Unit - I
Main Purchase
RFF Area, ISRO P.O
Thiruvananthapuram -695 022

Dear Sir,

1. I/We hereby offer to supply the stores detailed below at the price hereunder quoted and agree to hold this offer open till..... I/we shall be bound to supply the stores hereby offered upon the issue of the Purchase Order communicating the acceptance thereof on or before the expiry of the last mentioned date. You are at liberty to accept any one or more of the items of stores tendered for or any portion of any one or more of the items of such stores. I/We, notwithstanding that the offer in this tender has not been accepted in whole, shall be bound to supply to you such items and such portion or portions of one or more of the items as may be specified in the said Purchase Order communicating the acceptance:

Sl.No.	Description	Quantity	Unit	Rate(₹)	Delivery Date

Note: All the rates should be given both in figures and words

Place at which delivery will be made	
Date by which the ordered item/s will be supplied	

2. I/We have understood the items of the tender annexed to the invitation to tender and have thoroughly examined the specifications/drawing and/or pattern quoted or referred to herein and am/are fully aware of the nature of the stores required and my/our offer is to supply the stores strictly in accordance with the requirements subject to the terms and conditions stipulated in the enquiry and contained in the Purchase Order communicating the acceptance of this tender either in whole or in part.

Signature of Tenderer

Date:

(Seal)

2. E-Tenders are invited for Upgradation of existing data acquisition system of 1m shock tunnel and 1m hypersonic wind tunnel. The Bids are to be prepared and submitted in specified Templates online, by logging into the portal <https://eproc.vssc.gov.in>. The Vendors are advised to submit the Bids much before the Closing Time to avoid last minute problems.

E-Procurement No. VSSC/PURCHASE UNIT I(MAINPURCHASE)/VS202300153501 Dt. 23.06.2023 and Print Media Advertisement ref. No. VSSC/P/ADVT/352/2023 Dt. 04.07.2023. E-Tenders are invited for Upgradation of existing data acquisition system of 1m shock tunnel and 1m hypersonic wind tunnel through our E-procurement site <https://eproc.vssc.gov.in>. Bids can be submitted upto 21.07.2023 [14:00 Hrs.], Bid Opening date : 21.07.2023 [14:30 Hrs.].

Only online tenders will be accepted. No manual / Postal / e-mail / fax offers will be entertained. No manual tender document will be issued. Parties interested to participate in this e-Tender are required to register themselves as vendors, if not already registered, in our e-procurement portal <https://eproc.vssc.gov.in> by downloading plugins and help demos listed on the home page of the e-procurement link mentioned above to complete the vendor registration process. They can seek help from help desk 0471 2565454 / 4102 / 4163 also as provided in the home page of e-procurement portal in case of any problem for registration and subsequent process. Vendors may please note that without registering in our e-procurement portal, they will not be able to quote for this e-tender. New vendors who are submitting their registration requests shall select 'Vikram Sarabhai Space Centre' as the Centre for profile approval and Contact - 0471 2562527 for approving their profiles.

Important Notice : Tender shall be opened on the first day of the schedule [ie. 21.07.2023 [14:30 Hrs.]]. If the tender could not be opened on the first day due to any technical snag, it will be opened on the subsequent day as per the schedule. Bidders who are desirous of attending the tender opening may make arrangements for attending the tender opening at their cost.

This is a two-part tender, Technical & Commercial part (Part I) and Price Part (Part II) shall be uploaded separately. The tenderers should not attach any documents containing Price information along with Technical & Commercial Bid (Part I). However, a copy of your PRICE BID, AMC quote, etc. **WITHOUT PRICE** SHALL BE UPLOADED in the Documents Solicited from the Vendor Field [available in Bid forms] TO KNOW THE PATTERN OF QUOTE. [ENSURE **NOT TO MENTION ANY PRICE**, OTHERWISE THE QUOTE WILL BE INVALID]. We do not open PART II (Price Bid), if PART-I (Technical & Commercial offer) does not meet with our technical specification requirements.

THE TECHNICAL DOCUMENTS NEED TO BE ATTACHED ONLINE AS A SINGLE PDF FILE WITHOUT ANY PRICE INFORMATION, TECHNICAL BID CONTAINING PRICE DETAILS WILL BE TREATED AS REJECTED.

3. E-Tenders are invited for **Interior works for Multi-disciplinary product engineering lab-II at VSSC**. The Bids are to be prepared and submitted in specified Templates online, by logging into the portal <https://eproc.vssc.gov.in>. The Vendors are advised to submit the Bids much before the Closing Time to avoid last minute problems.

E-Procurement No. VSSC/PURCHASE UNIT I(MAINPURCHASE)/VS202300318101 Dt. 04.07.2023 and Print Media Advertisement ref. No. VSSC/P/ADVT/352/2023 Dt. 04.07.2023. E-Tenders are invited for **Interior works for Multi-disciplinary product engineering lab-II at VSSC** through our E-procurement site <https://eproc.vssc.gov.in>. Bids can be submitted **upto 17.08.2023 [14:00 Hrs.], Bid Opening date : 17.08.2023 [14:00 Hrs.]**.

Only online tenders will be accepted. No manual / Postal / e-mail / fax offers will be entertained. No manual tender document will be issued. Parties interested to participate in this e-Tender are required to register themselves as vendors, if not already registered, in our e-procurement portal <https://eproc.vssc.gov.in> by downloading plugins and help demos listed on the home page of the e-procurement link mentioned above to complete the vendor registration process. They can seek help from help desk 0471 2565454 / 4102 / 4163 also as provided in the home page of e-procurement portal in case of any problem for registration and subsequent process. Vendors may please note that without registering in our e-procurement portal, they will not be able to quote for this e-tender. New vendors who are submitting their registration requests shall select 'Vikram Sarabhai Space Centre' as the Centre for profile approval and Contact - 0471 2562527 for approving their profiles.

Important Notice : Tender shall be opened on the first day of the schedule [**ie. 17.08.2023 [14:00 Hrs.]**]. If the tender could not be opened on the first day due to any technical snag, it will be opened on the subsequent day as per the schedule. Bidders who are desirous of attending the tender opening may make arrangements for attending the tender opening at their cost.

This is a two-part tender, Technical & Commercial part (Part I) and Price Part (Part II) shall be uploaded separately. The tenderers should not attach any documents containing Price information along with Technical & Commercial Bid (Part I). However, a copy of your PRICE BID, AMC quote, etc. **WITHOUT PRICE SHALL BE UPLOADED** in the Documents Solicited from the Vendor Field [available in Bid forms] TO KNOW THE PATTERN OF QUOTE. [ENSURE **NOT TO MENTION ANY PRICE**, OTHERWISE THE QUOTE WILL BE INVALID]. We do not open PART II (Price Bid), if PART-I (Technical & Commercial offer) does not meet with our technical specification requirements.

THE TECHNICAL DOCUMENTS NEED TO BE ATTACHED ONLINE AS A SINGLE PDF FILE WITHOUT ANY PRICE INFORMATION, TECHNICAL BID CONTAINING PRICE DETAILS WILL BE TREATED AS REJECTED.

4. E-Tenders are invited for **Supply, Installation and Commissioning of Gas Booster Package with accessories.** The Bids are to be prepared and submitted in specified Templates online, by logging into the portal <https://eproc.vssc.gov.in>. The Vendors are advised to submit the Bids much before the Closing Time to avoid last minute problems.

E-Procurement No. VSSC/PURCHASE UNIT I(MAINPURCHASE)/VS202300187001 Dt. 04.07.2023 and Print Media Advertisement ref. No. VSSC/P/ADVT/352/2023 Dt. 04.07.2023. E-Tenders are invited for **Supply, Installation and Commissioning of Gas Booster Package with accessories** through our E-procurement site <https://eproc.vssc.gov.in>. Bids can be submitted **upto 03.08.2023 [14:00 Hrs.], Bid Opening date : 03.08.2023 [14:30 Hrs.]**.

Only online tenders will be accepted. No manual / Postal / e-mail / fax offers will be entertained. No manual tender document will be issued. Parties interested to participate in this e-Tender are required to register themselves as vendors, if not already registered, in our e-procurement portal <https://eproc.vssc.gov.in> by downloading plugins and help demos listed on the home page of the e-procurement link mentioned above to complete the vendor registration process. They can seek help from help desk 0471 2565454 / 4102 / 4163 also as provided in the home page of e-procurement portal in case of any problem for registration and subsequent process. Vendors may please note that without registering in our e-procurement portal, they will not be able to quote for this e-tender. New vendors who are submitting their registration requests shall select 'Vikram Sarabhai Space Centre' as the Centre for profile approval and Contact - 0471 2562527 for approving their profiles.

Important Notice : Tender shall be opened on the first day of the schedule [ie. **03.08.2023 [14:30 Hrs.]**]. If the tender could not be opened on the first day due to any technical snag, it will be opened on the subsequent day as per the schedule. Bidders who are desirous of attending the tender opening may make arrangements for attending the tender opening at their cost.

This is a two-part tender, Technical & Commercial part (Part I) and Price Part (Part II) shall be uploaded separately. The tenderers should not attach any documents containing Price information along with Technical & Commercial Bid (Part I). However, a copy of your PRICE BID, AMC quote, etc. **WITHOUT PRICE** SHALL BE UPLOADED in the Documents Solicited from the Vendor Field [available in Bid forms] TO KNOW THE PATTERN OF QUOTE. [ENSURE **NOT TO MENTION ANY PRICE**, OTHERWISE THE QUOTE WILL BE INVALID]. We do not open PART II (Price Bid), if PART-I (Technical & Commercial offer) does not meet with our technical specification requirements.

THE TECHNICAL DOCUMENTS NEED TO BE ATTACHED ONLINE AS A SINGLE PDF FILE WITHOUT ANY PRICE INFORMATION, TECHNICAL BID CONTAINING PRICE DETAILS WILL BE TREATED AS REJECTED.