



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

PURCHASE ORDER

E-Office File No: TE-17/208/2020-TECH/ 187

Date: 19.02.2021

To
M/s Nandan GSE Pvt. Ltd.
D-205, TTC Industrial Area, MIDC
Turbhe, Navi Mumbai - 400 705
Email: sales@nandan.co.in, raghu@nandan.co.in

Purchase Order No. - 01 /-2021

Sub :	Supply of 20 Nos. Ambulifts with Comprehensive Annual Maintenance and Operation Contract at various Airports in India.		
Ref :	(i)	AAI Domestic E-Tender invited through NIC CPP Portal (Tender ID: 2020_AAI_59388_1)	
	(ii)	Clarification sought by Bidders vide CLAR_7823 and CLAR_7824 dated 16/10/2020.	
	(iii)	AAI Corrigendum dated 26/10/2020 published on NIC CPP Portal as Clarification regarding Bidders Queries and other Tender Clauses.	
	(iv)	Your PQQ and Technical Bid Documents submitted through NIC CPP Portal and opened on 10/11/2020 on NIC CPP Portal.	
	(v)	Clarifications / Shortfall documents sought by AAI on 14/12/2020 through NIC CPP Portal against your PQQ and Technical Bid Documents.	
	(vi)	Your reply on above submitted through NIC CPP Portal on 16/12/2020.	
	(vii)	AAI Letter of Intent (LOI) No. - AAI/TECH/CHQ/Ambulift/2019/Vol-3/612 dated 12/02/2021.	
	(viii)	Your LOI Acknowledgment vide e-mail dated 16/02/2021.	

Dear Sir,

- Reference is made to the above mentioned correspondences and your offer (technical, commercial proposal and various subsequent clarifications and shortfall documents) submitted against above referred tender.
- In this regard, Airports Authority of India, hereinafter referred to as purchaser, is pleased to place a purchase order for "Supply of 20 Nos. Ambulifts with Comprehensive Annual Maintenance and Operation Contract at various Airports in India." as per details in Annexure-I (to this Purchase Order) on M/s Nandan GSE Pvt. Ltd., Navi Mumbai hereinafter referred to as supplier. Technical specifications shall be as per Annexure-III attached to this Purchase Order.
- Price:**
 - The Ambulifts shall be supplied by the supplier at a total value of Rs. 12,71,45,094.00 excluding GST as per details mentioned in Para No. - 1 of Annexure - I of this Purchase Order.
 - The total Operation and CAMC Cost for Ambulifts shall be Rs. 16,15,64,815.60 excluding GST as per details mentioned in Para No. - 2 of Annexure - I of this Purchase Order.
- Time Schedule:** Delivery Period, Testing & Inspection of Ambulifts, Payment Terms, Performance Bank Guarantee, Compensation for Delay and Guarantee / Warranty as per Annexure-II of this Purchase Order.

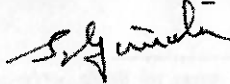
S. J. Singh
General Manager (GM)
Airports Authority of India
AAI Office Complex

राजीव गांधी भवन
Rajiv Gandhi Bhawan

सफदरजंग हवाई अड्डा नई दिल्ली-110003
Safdarjung Airport, New Delhi-110003

Page 1 of 36
दूरभाष : 24632950
Phone : 24632950

5. **Payment Terms:** As per clause 3 of Annexure-II of this Purchase Order.
6. **Paying Authority:** The Payment Authority shall be General Manager (Finance) / Jt.GM / DGM (Finance), Airports Authority of India, R G Bhawan, New Delhi 110 003 or GM / Jt. GM / DGM (Fin) of Metro Airports or GM / Jt. GM / DGM(Fin) of RHQs or Jt. GM / DGM / AGM / SM(Fin) of airports as the case may be.
7. **Project Manager:** Jt.GM (Materials Management) / AGM (Technical) shall act as Project Manager for the supply work, who shall be responsible for the smooth implementation of the contract as per the Tender Document. However, for CAMC & Operation of each Ambulift, the Senior Most Technical Executive or any AAI officer duly authorized by Airport Director of the consignee Airport shall be the Engineer-In-Charge.
8. **Consignee:**
 - 8.1 The consignee for Ambulifts will be as per Para 1.1 of Annexure – I to this Purchase Order.
 - 8.2 Consignee Airports shall be responsible for proper receipt and coordination with the representatives of the firm for rectification of any defects in Ambulifts during Warranty, CAMC & Operation period, signing of Agreement for CAMC & Operation and its smooth implementation etc.
9. **Mode of Transport, Freight & Insurance:**
 - 9.1 The contractor shall arrange, secure and maintain insurance policy beneficiary being AAI for inland transportation and inland insurance policy having validity of minimum 01 (one) month as may be necessary and for all such amounts to protect his interest and the interest of the purchaser against the risk as detailed herein.
 - 9.2 The risk that are to be covered to his insurance, shall include loss or damage in transit, theft, pilferage, riot, civil commotion where conditions exist, accidents of all kind, fire etc. The scope of insurance shall cover the entire value of the equipment from time to time.
 - 9.3 Any loss or damage to the equipment due to under handling, transportation, till such time the equipment is delivered to the consignee shall be to contractor's account. The contractor shall be responsible for preferring of all claims and make good for the damage or loss by way of repairs and/or replacement of the portion of equipment damaged or lost. The contractor shall provide the purchaser with a copy of the insurance policy and documents taken out by him in pursuance of the contract. Such copies of the documents shall be submitted to the purchaser immediately after such insurance coverage.
 - 9.4 AAI reserves the right for own arrangement of shipping and insurance.
10. **Delivery:** Delivery of entire quantity of Ambulifts shall be at various Airports as per Para 1.1 of Annexure – I to this Purchase Order within 08 (Eight) months, which shall be reckoned from 15th day after the date of issue of this purchase order.
11. Performance Bank Guarantee, Liquidated Damages / Compensation for Delay and Guarantee / Warranty shall be as per Annexure-II of this Purchase Order.
12. **Purchaser's Right to Vary Quantities:**
 - 12.1 AAI may change the quantity or part thereof to be supplied by +/-30% of the Tendered quantity (measurable) but within the overall deviation limit of 30% of the contract value during currency of the contract.
 - 12.2 Prices quoted shall remain firm & fixed and no escalation due to any reason will be allowed during the currency of the contract.
13. This Purchase Order shall form a part of the contract and all Terms & Conditions mentioned in the Tender Document (Tender ID: 2020_AAI_59388_1), Technical specifications and

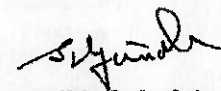


subsequent clarifications, modifications circulated through corrigenda to the tender shall be a binding on both the parties i.e. Airports Authority of India & M/s Nandan GSE Pvt. Ltd., Navi Mumbai.

14. Signing of Contract:

- 14.1 The contractor, shall, within 15 days from the date of issue of this Purchase Order sign the contract consisting of the notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof with any correspondence leading thereto. The format of Agreement shall be as per Annexure-XI of Tender Document. No payment for the work done will be made unless contract in form of agreement is signed by the contractor.
- 14.2 The contractor shall sign the Supplementary Agreement for Operation and CAMC within 15 days from the date of receipt of the Ambulift at respective consignee Airports. The format of Supplementary Agreement shall be as per Annexure - D of this Purchase Order. No payment for Operation and CAMC will be made unless the contract in the form of supplementary agreement is signed by the contractor.
15. A duplicate copy of this Purchase Order is enclosed herewith, which may be returned duly signed in each page, to this office as a token of your acceptance.
16. Please acknowledge the receipt of this Purchase Order.

Yours Sincerely,
For AIRPORTS AUTHORITY OF INDIA



(Sudhir Gairola)
Jt. General Manager (MM)
AAI Office Complex, SAP,
New Delhi-110003
Telefax: 011 24635799

CC:

1. Executive Director, (Operations), CHQ
2. Executive Director (F&A), CHQ
3. Regional Executive Director, AAI
NR/SR/WR/ER/NER
New Delhi/Chennai/Mumbai/Kolkata/Guwahati
4. Technical In-Charge, AAI
RHQ NR/RHQ SR/RHQ WR/RHQ ER/RHQ NER
New Delhi/Chennai/Mumbai/Kolkata/Guwahati
5. Airport Director
Agra, Bhuj, Bagdogra, Dehradun, Belgaum, Dimapur, Gorakhpur, Hubli, Imphal, Jamnagar, Jharsuguda, Jodhpur, Jorhat, Kanpur, Leh, Patna, Port Blair, Rajkot, Silchar & Vijayawada
6. Purchase Order File

ANNEXURE-I (To Purchase Order No. - 01/2021)

P.O. No. - 01/2021

Tender ID: 2020_AAI_59388_1

E-Office File No. TE-17/208/2020-TECH/

Date: 19.02.2021

Sub: Supply of 20 Nos. Ambulifts with Comprehensive Annual Maintenance and Operation Contract at various Airports in India.

1. SUPPLY ITEMS

S. No.	Description	Qty. (Nos.)	Unit Price (INR)	Total Amount (INR)
01.	Basic Cost of Ambulifts' excluding GST as per technical specification of AAI and technical offer accepted by AAI.	20	₹ 62,97,841.10	₹ 12,59,56,822.00
02.	Transportation Charges excluding GST from the Factory to the Consignee Airports.	20	As per Para 1.1 below	₹ 7,92,181.29
03.	Transit Insurance Charges excluding GST from the Factory to the Consignee Airports.	20	As per Para 1.1 below	₹ 3,96,090.60
Total Supply Cost of 20 Nos. Ambulifts excluding GST rounded to				₹ 12,71,45,093.89 ₹ 12,71,45,094.00

1.1 Consignee Airport, Transportation and Transit Insurance Charges

S. No.	Consignee Airport	Qty.	Transportation Charges excluding GST	Transit Insurance Charges excluding GST
01.	Agra	1	₹ 35,648.16	₹ 19,804.53
02.	Bhuj	1	₹ 19,804.53	₹ 19,804.53
03.	Bagdogra	1	₹ 43,569.97	₹ 19,804.53
04.	Dehradun	1	₹ 35,648.16	₹ 19,804.53
05.	Belgaum	1	₹ 35,648.16	₹ 19,804.53
06.	Dimapur	1	₹ 43,569.97	₹ 19,804.53
07.	Gorakhpur	1	₹ 35,648.16	₹ 19,804.53
08.	Hubli	1	₹ 35,648.16	₹ 19,804.53
09.	Imphal	1	₹ 43,569.97	₹ 19,804.53
10.	Jamnagar	1	₹ 35,648.16	₹ 19,804.53
11.	Jharsuguda	1	₹ 43,569.97	₹ 19,804.53
12.	Jodhpur	1	₹ 39,609.06	₹ 19,804.53
13.	Jorhat	1	₹ 35,648.16	₹ 19,804.53
14.	Kanpur	1	₹ 35,648.16	₹ 19,804.53
15.	Leh	1	₹ 59,413.60	₹ 19,804.53
16.	Patna	1	₹ 35,648.16	₹ 19,804.53
17.	Port Blair	1	₹ 51,491.78	₹ 19,804.53
18.	Rajkot	1	₹ 35,648.16	₹ 19,804.53
19.	Silchar	1	₹ 39,609.06	₹ 19,804.53
20.	Vijayawada	1	₹ 51,491.78	₹ 19,804.53
TOTAL		20	₹ 7,92,181.29	₹ 3,96,090.60

S. Gaurav
General Manager (JM)
Airports Authority of India
AAI Office Complex
Gandhinagar / Gurgaon / Gurgaon Airport
New Delhi-110003

Note:

- (i) The payment of the transportation charges and transit insurance charges shall be made as per actual on production of the documentary proof / invoices raised by the actual service provider(s) in the name of supplier subject to maximum as per charges indicated against each Consignee Airports in Para 1.1 above after receipt of equipment at site in good condition.
- (ii) In case the supplier opts to deliver the Ambulift without taking the services of transporter, in that case the supplier shall be required to submit a certificate stating that Ambulifts have been transported by engaging the manpower and in that case the requirement of documents from service provider i.e. transporter shall not be required.

2. COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) & OPERATION COST PAYMENT:

Item	CAMC & Operation Cost (in INR)
Comprehensive Annual Maintenance Contract (CAMC) and Operation Cost for each Ambulift from 1 st to 7 th year excluding GST in INR ₹ in terms with Section C-1 & C-2 of Tender Document.	(i) 1 st Year of Operation: ₹ 6,34,192.60 (ii) 2 nd Year of Operation: ₹ 7,28,660.22 (iii) 3 rd Year of Operation & CAMC: ₹ 10,80,709.53 (iv) 4 th Year of Operation & CAMC: ₹ 12,16,113.12 (v) 5 th Year of Operation & CAMC: ₹ 13,61,593.25 (vi) 6 th Year of Operation & CAMC: ₹ 14,73,694.82 (vii) 7 th Year of Operation & CAMC: ₹ 15,83,277.24
Total CAMC and Operation Cost excluding GST for 20 Nos. Ambulifts	Rs. 16,15,64,815.60 (i.e. 80,78,240.78 x 20 Nos.)

Note:

1. The above Operation and CAMC cost arrived in INR shall be inclusive of all consumables, spare parts, major/minor overhauling except fuel and AdBlue (i.e. Diesel Exhaust Fluid), and any other taxes etc. except GST, as applicable on prevailing time of submission of Bids.
2. Any statutory variation on tax rates shall be payable / reimbursable on actual basis on production of documentary evidence.
3. The charges towards Operation and CAMC are exclusive of GST. The applicable amount of GST will be paid extra on actual basis on production of documentary evidence.
4. The work of CAMC & Operations of Ambulift at ultimate consignee Airport for the entire contractual period of 07 Years shall be carried out by M/s Three D Integrated Solutions Ltd., 1109, Tower – A1, Spaze iTech Park, Sector – 49, Sohna Road, Gurgaon – 122 002, who have been duly authorized by M/s Nandan GSE Pvt. Ltd. to carry out the work of CAMC & Operation. The payment in respect of Comprehensive Annual Maintenance and Operations work shall be released by AAI directly to M/s Nandan GSE Pvt. Ltd. against their invoices. Contract Agreement for CAMC & Operation Contract shall also be signed with M/s Nandan GSE Pvt. Ltd.

2.1 Payment Methodology for CAMC and Operation Cost of Ambulifts:

- a) Monthly payment of CAMC and Operation for each Ambulift by respective consignee/Airport shall be released in INR to M/s Nandan GSE Pvt. Ltd., Navi Mumbai.
- b) Necessary deduction in case of default in the service of CAMC & Operation in terms of Service Level Agreement at each airport for each Ambulift shall be made as per performance monitored on monthly basis by respective consignee/airport.

सुधीर कुमार गैरोला
J. General Manager (MM)
आर्यन एयरपोर्ट्स प्राइवेट लिमिटेड / Airports Authority of India
एन सी २०१, अंधा रोड (वेस्ट) / AAI Office Complex
सफाई जंग अड्डा / Safdarjung Airport
पिन कोड-110003 / New Delhi-110003

2.2 SERVICE LEVEL AGREEMENTS (SLA) FOR OPERATION & CAMC of AMBULIFT:

S. No	Description	Non-compliance Penalty Point	Remarks
1	Preparation of monthly Scheduled Maintenance (SM) and submission of the same through e-mail/post/etc. on or before 20th day of every month for the SM which has to be carried out for the next month.	2	Per incident
2	Preparation of yearly Scheduled Maintenance (SM) and submission of the same through e-mail/post/etc on or before one month from the due date of yearly Scheduled Maintenance.	5	Per incident (applicable in the case of annual maintenance)
3	Monthly Serviceability of minimum 90% is to be maintained and if serviceability is a. below 90% but upto 85% b. below 85% but upto 80% C. below 80% but upto 75% d. below 75%	10 12 15 25	Per month
4	Completion of Repair & Maintenance in stipulated time: To attend Major / Minor repairs which does not affect the serviceability of Ambulift a. Rectification of Major repairs within 07 days b. Rectification of Minor repairs within 02 days	3 1	Per incident
5	Occurrence of Repetitive breakdown/repair, fault in the same component.	1	Per incident
6	Possession of Airside Entry Pass and Airport Driving Permit	1	Per month / person
7	Adherence to Office timing & technician uniform, PPE etc.	1	Per incident
8	MIS & Value – added services.	2	Per month

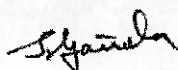
Note:

- a. Total Amount Deduction / month = INR ₹ 2,500 x Total No. of Non-Compliance Penalty Point / month at each consignee place/airport.

(OR)

Maximum deduction amount will be INR ₹ 50,000/- per month at each consignee place/airport.

- b. If the Ambulift is unavailable at the time of actual requirement of AAI for more than one incident in a month, the penalty amount of INR ₹ 2,500/- per incident will be deducted. (This clause is applicable if the monthly serviceability percentage of Ambulift is 90% or above)



- c. If the Ambulift is not in operation due to unavailability of manpower, it shall be deemed that Ambulift is unserviceable and will be considered as per Sl. No. – 3 of above SLA.
- d. If the serviceability falls below 75%, AAI may proceed for alternative arrangement/carrying out of the repair work at the contractor's risk and expense without prejudice to any other right.



(Sudhir Gairola)

Jt. General Manager (MM)

AAI, AAI Office Complex, SAP,
New Delhi-110003

Telefax: 011 24635799

ANNEXURE-II (To Purchase Order No. - 01/2021)

E-Office File No. TE-17/208/2020-TECH/

Date: 11.02.2021

The Delivery Period, Testing & Inspection of Ambulifts, Payment terms, Performance Bank Guarantee, Compensation for Delay and Guarantee / Warrantee shall be as detailed below.

1. DELIVERY PERIOD:

- 1.1 Total time allowed for completion of supply of Ambulifts for entire quantity of the contract excluding the time taken by AAI if any which includes time taken by AAI for carrying out prototype, time taken in intimation regarding acceptance of prototype, time taken by AAI for carrying out FAT and time taken by AAI for issue of dispatch letter to the firm, is 08 (eight) months, which shall be reckoned from 15th day after the date of issue of purchase order.

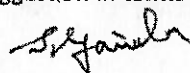
With regard to delivery of Ambulift at Port Blair and Leh Airport, once the Ambulift is ready for dispatch i.e. after getting dispatch instruction from AAI, no penalty or liquidity damages shall be imposed on the supplier in case there is delay due to any hindrance in transporting the Ambulift which is beyond the control of supplier. The hindrance shall include unavailability of ship for transporting the Ambulift to Port Blair or extreme climatic condition in Leh Airport.

- 1.2 Delivery of entire quantity of Ambulifts shall be required at various Airports as per Para 1.1 of Annexure – I to this Purchase Order
- 1.3 The firm shall offer inspection of total quantity of equipment in maximum 05 (Five) Lots.
- 1.4 Prototype (one Ambulift) to be offered for inspection within 04 (Four) Months from the date of start of work (which shall be reckoned from the 15th day from the issue of purchase order).
- 1.5 Pre-dispatch inspection shall be carried out by Inspection team of Airports Authority of India. Dispatch instruction of the Ambulift shall be given by the AAI Inspection Team based on the Inspection of Ambulift, if it is found in compliance with AAI Technical Specifications & Performance Parameters.
- 1.6 The Contractor shall be solely responsible to ensure the following:
- a) Sound packing of their items.
 - b) Transport of the items by the due date as specified in the contract.
 - c) Insurance
 - d) Insurance for inland transshipment.
 - e) Receipt of equipment at site in good condition and handing over to Airport Director or his authorized representative of consignee Airport.
 - f) Repairs of the equipment during the warrantee and defects liability period.
 - g) CAMC & Operation of Ambulifts for a total period of 07 (Seven) years including 02 (two) years of guarantee and defects liability period.

2 TESTING AND INSPECTION OF PROTOTYPE EQUIPMENT / COMPONENTS OF AMBULIFTS:

2.1 Stages of Inspection:

- a) **Prototype:** Prototype shall be developed for proving the performance of Ambulift before production of given quantity. Prototype shall be inspected as per Annexure-III of this Purchase Order / Section-D of Tender Document. The contractor shall intimate AAI after rectification of any shortcoming / suggestion in terms of NIT or operational requirement as



brought out by AAI inspection team during inspection of prototype. After getting satisfactorily report AAI will intimate the manufacturer for production of Ambulift.

- b) **Factory Acceptance Test (FAT):** AAI will inspect each Ambulift as per Annexure-III of this Purchase Order / Section-E of Tender Document.
- c) **Site Acceptance Test:** Each Ambulift will be visually inspected for any physical damage before taking over as per Annexure-B of this Purchase Order / Section-F of Tender Document.

2.2 Facilities for Test and Examination:

The contractor shall at his own expense, offer to the Inspector all reasonable facilities as may be necessary for satisfying himself, that the equipment/execution of work is being and/or have been manufactured/executed in accordance with specifications laid down in the technical specifications attached to this tender document. The Inspector/Purchaser shall have full and free access at any time during the execution of the contract to the Contractor's works or site in case of execution of work for the purpose aforesaid, and he may require the contractor to make arrangements for inspection or work or any part thereof or any material at his premises or at any other place specified by the Inspector/Purchaser and if the contractor has been permitted to employ the service of a sub-contractor, reserve to the Inspector a similar right.

2.3 Cost of Inspection:

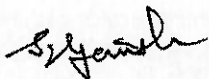
The contractor shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspector/Purchaser may demand of him for any test/inspection and examination which he shall require to be so made on the contractor's premises and shall bear and pay all costs attendant thereon. In case of Inspection by Airports Authority of India appointed officers, the cost of traveling, boarding & lodging, of AAI Inspecting officer(s) to the site of inspection shall be borne by AAI. In case, however the inspection needs to be repeated for the same lot or part thereof due to failure during first inspection then all expenditures towards third party inspection or all expenditure including traveling, boarding & lodging of AAI Inspecting officer(s) for the repeat inspection will be to the account of contractor. If the contractor fails to comply with the conditions aforesaid, the Inspector/ Purchaser shall, in his sole, judgment be entitled to remove for test and examination all or any of the equipment manufactured by the Contractor to any premises other than his (Contractor's) and in all such cases the contractor shall bear the cost of transport and for carrying out such tests elsewhere. A certificate in writing of the Inspector/Purchaser that the contractor has failed to provide the facilities and the means, for test, inspection and examination shall be evidence of such failure.

2.4 Delivery of Stores for Test:

The contractor shall also provide and deliver for test, free of charge, at such place other than his premises as the Inspector/Purchaser may specify such equipment as he may require.

2.5 Method of Testing:

The Inspector shall have the right to put all the equipment and materials forming part of the same or any part thereof to such tests as he may think fit and proper. The contractor shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspector.



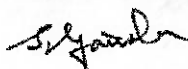
2.6 Inspection / Testing and Inspection Certificate:

- 2.6.1 The purchaser or his authorized representative or third party shall carry out pre-dispatch inspection of Ambulifts at the factory premises of the contractor.
- 2.6.2 The contractor shall intimate through written communication for any equipment being ready for inspection & testing. Such tests shall be to the contractor's account except for the expenses by the inspector(s).
- 2.6.3 The Inspector shall intimate in writing to the contractor of any objection to any equipment and workmanship, which in his opinion is not in accordance with the contract. The contractor shall give due consideration to such objections and shall either make the modification that may be necessary to meet the said objections or shall confirm in writing to Inspector that no modifications are necessary to comply with the contract.
- 2.6.4 When the factory test has been completed at contractor's work, the Inspector shall issue a certificate to this effect after completion of test. But if the test is not witnessed by the inspector(s), the certificate shall be issued after receipt of contractor's test certificate by the inspector. Failure of the Inspector to issue such certificate shall not prevent the contractor from proceeding with the works.
- 2.6.5 Inspection by Inspector(s) and issue of Inspection Certificate thereon shall in no way limit the liabilities and responsibilities of the contractor.

3. TERMS OF PAYMENT:

3.1 For Supply of Ambulifts:

- 3.1.1 (i) 60% of Purchase Order price (Basic Cost) for supply of items against proof of dispatch and submission of following documents:
 - A. Original invoice + two copies.
 - B. Itemized packing list in original + two copies.
 - C. Certificate of Factory Acceptance Test (if done by AAI) or QC issued by QC Department of supplier.
 - D. Proof of Dispatch
 - (ii) 10% of Purchase Order price (Basic Cost) and 100% of freight & insurance charges (as per actual restricted to quoted rate), taxes and duties against receipt of goods at site in good condition (without any damage) and submission of following documents:
 - A. Documentary proof / Invoice raised by actual service provider (insurance firm).
 - B. Documentary proof / Invoice raised by actual service provider (Freight operator) / Self-Certificate from contractor stating that Ambulifts have been transported by engaging the manpower by the contractor.
 - C. Site Acceptance Certificate of goods received at site in good condition (without any damage) as per format. (Annexure - B)
 - (iii) Balance 30 % of Purchase Order price (Basic Cost) for supply of items will be released on submission of following documents:
 - A. Certificate in respect of receipt of Bank Guarantee for CAMC & Operation and deployment of manpower (01 No. driver operator cum technician & 01 No. Helper per Ambulift) at respective airport as per format (Annexure - C).
- 3.1.2 Payment would be released after adjusting any adjustments / withholdings / recoveries towards liquidated damages / compensation for delay, if any which the firm might have



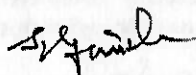
rendered them liable as per provision of contract. The payment of the transportation and transit insurance charges shall be made as per actual on production of the documentary proof / invoices raised by the actual service provider(s) in name of supplier subject to maximum as per approved tendered rates after receipt of equipment at site.

- 3.1.3 In case of AAI's waiver for pre-dispatch inspection, no recoveries on this account shall be made from the contractor's payment.
- 3.1.4 Recoveries as applicable shall be made in case of deliveries of wrong equipment in place of the equipment as per the dispatch instructions, including all applicable duties and taxes. In the event of rejection of non-conforming goods, the contractor shall be allowed to replace the nonconformities within the specified time. If the contractor fails to do so within the specified time the purchaser shall have the right to invoke the performance guarantee.

4. PERFORMANCE GUARANTEE AND SECURITY DEPOSIT FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT AND OPERATION

4.1 Performance Guarantee for Supply and Defect Liability Period:

- 4.1.1 The performance guarantee is intended to secure the performance of the entire contract (Supply of equipment). However, it is not to be construed as limiting the damages stipulated in any other clauses of this contract.
- 4.1.2 The successful tenderer awarded with the work is also required to submit Performance Guarantee which shall be furnished **within 30 days from the date of issue of Purchase Order**. In case the contractor fails to deposit performance guarantee within the stipulated period, no payment for the work done in r/o first running account bill will be released to the contractor until submission of PBG. Moreover, **interest @ 12% p.a. on performance guarantee amount would be levied (Non-refundable) for delayed period of submission**. The performance guarantee shall be submitted in the form of irrevocable Bank guarantee for an amount equal to **3% (Three Percent) of total supply cost of 20 Nos. Ambulifts excluding GST amounting to ₹ 38,14,400.00** as per format given as Annexure-A from a Nationalized/Scheduled Bank (as per RBI schedule), having office in India. The PBG (Performance Bank Guarantee) shall remain valid for 90 days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations. If the agency fails to extend the validity of the performance guarantee, the same can be encashed by AAI.
- 4.1.3 In case, successful bidder fails to submit performance bank guarantee within 30 days from the date of issue of Purchase Order, AAI reserve the right to forfeit EMD and cancel the order.
- 4.1.4 The Performance Security will be forfeited and credited to the accounts of AAI in the event of a breach of contract by the contractor.
- 4.1.5 Performance Bank Guarantee shall be refunded to the contractor without interest, after he duly performs and completes the contract in all respects within 90(ninety) days of completion of all such obligations including the warranty under the contract.
- 4.1.6 The agency shall advise the branch of the bank, issuing Bank Guarantee, to send the original bank Guarantee directly to the Airports Authority of India (AAI) under Registered post (A.D.). However, in exceptional cases [as in case of EMD], where the guarantee is to handed over directly to the AAI for any genuine reasons, the branch shall immediately send by Registered Post (A.D) an unstamped duplicate copy of the guarantee directly to the AAI with a covering letter with request to compare the same with the original received from their customer and confirm that it is in order. The agency shall also advise the issuing bank branch to incorporate the address etc. of the Regional/Controlling Branch of the issuing branch in a suitable space in the Bank Guarantee. The A.D. card shall be kept with the loan papers of the relevant guarantee.



- 4.1.7 The agency shall also advise the issuing bank branch that whenever any letter is issued by AAI to the Concerned Bank Branch, for confirmation of having issued the Guarantee, Branch must send the confirmation letter to the concerned authorities promptly without fail.
- 4.1.8 No other form of security than the above shall be acceptable.

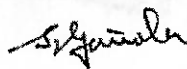
4.2 Security Deposit for CAMC and Operations:

Bank guarantee towards Security Deposit against contract for CAMC & Operation shall be submitted to the Engineer-In-charge of respective airport, as per format given as Annexure-A from a nationalized or any scheduled Bank (as per RBI schedule), having office in India for the values given below:

- 4.2.1 Contractor shall submit a separate Bank Guarantee (BG) for each airport for value equal to 3% of the total contract amount excluding GST against each Ambulift for CAMC & Operation amounting to Rs. 2,42,350.00 and this BG shall be valid for three months beyond the scheduled date of completion of CAMC & Operation period (i.e. validity shall be for 87 months from the date of start of CAMC and Operation (84 months of CAMC & Operations period + 3 months).
- 4.2.2 The contractor shall ensure that this Bank Guarantee is submitted to AAI before 30 days of supply of Ambulift at respective airport, failing which payment against CAMC & Operation may not be paid to the firm. In case the firm fails to submit BG within stipulated period, interest @ 12% p.a. on Security Deposit against CAMC and Operation amount would be levied (non-refundable) for delayed period of submission and shall be deducted from the first bill payable to the contractor.
- 4.2.3 The contractor has an option to submit a revised Bank Guarantee for the remaining years against operation & CAMC charges (i.e. 3% of CAMC & Operation cost for remaining period) at the end of every year. On submission of revised bank guarantee the previous BG against CAMC & Operation shall be returned.
- 4.2.4 The bank guarantee submitted initially towards performance Security Deposit will be released after satisfactory completion of defects liability period.
- 4.2.5 The format for Bank Guarantee towards SD shall be as per Annexure- A. No other form of Bank Guarantee towards SD shall be acceptable to AAI.
- 4.2.6 The Security Deposit submitted for CAMC and Operation for Ambulift shall be released on completion of CAMC & Operation period without any interest.
- 4.3 If the contractor fails to furnish security deposit in the above referred form within the stipulated period, it shall be lawful for the purchaser to recover the amount from the running bills payable to the contractor for the executed work, if required.
- 4.4 No interest will be paid by AAI on any of Performance /Security Deposit bank guarantees.
- 4.5 If the Contractor fails to furnish securities in the above forms, the Purchaser is entitled to cancel the contract or any part thereof and execute or authorize to execute the work at the risk and cost of the contractor.

5. Compensation for Delay:

- 5.1 AAI reserves the right to cancel the order wholly or in part without any liability to pay cancellation charges and forfeit the EMD and or encash the performance Bank Guarantee in full absolutely, in case of failure by contractor to initiate and affect any delivery even after lapse of 50% of contract period.
- 5.2 A sum equivalent to 0.5 (half) per cent per week for the price of uncompleted portion / activity / delivery of contract cost executed / completed beyond delivery schedule is recovered as liquidated damages. The total damages shall not exceed 10 (Ten) per cent of the



value of delayed goods. The liquidated damages shall be calculated on the base cost without the Govt. taxes and duties.

- 5.3 The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this contract or any other contract with the Purchaser.

6. Guarantee and Defects Liability Period:

- 6.1 One-point guarantee shall be extended by the contractor for all equipments/ appliances, components, sub-assemblies etc. supplied with the Ambulift as per AAI Technical Specification (Annexure – III of this Purchase Order / Section-D of Tender Document). **The warranties, in excess, on engine, transmission, Pump & Other Assemblies, and all Accessories, Equipments & Tools etc. supplied with Ambulifts to notified guarantee in the tender, shall be passed on to the Airports Authority of India.**

- 6.2 The contractor shall guarantee that all equipment shall be free from any defect due to the defective materials and bad workmanship and that the equipment shall operate satisfactorily and that the performance and efficiencies of the equipment shall be not less than the guarantee values. The guarantee shall be valid for a period of **two years** from the date of receipt of each Ambulift at consignee place/airport. Part found defective during guarantee period shall be replaced/ rectified by the contractor without any charges whatsoever

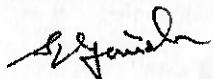
- 6.3 If the defects are not remedied as per SLA (Service Level Agreement), the Authority shall proceed to do so at the contractor's risk and expense without prejudice to any other right as well as the guarantee period of the equipment shall be extended as deemed fit.

- 6.4 **The contractor shall furnish the following guarantees: -**

"We warrant that everything supplied by us including all components fitted into the equipment manufactured by others also, shall be in all respects free from all defects and results in material, workmanship and manufacture and shall be of the highest grade and quality up to acceptable standards for all materials of the type ordered and shall be in full conformity with all the specifications, drawings or samples if any, and we shall be fully responsible for its efficient performance. This guarantee shall survive inspection for acceptance, and payment for the equipment, but shall expire (except in respect of the complaints notified to us) **24 months** for the Ambulifts at various AAI Airports exclusively from the date of issue of Certificate of receipt of Ambulift by the Engineer – In – Charge.

- 6.5 The contractor shall replace such of these parts which require replacement under these conditions free of costs, charges and expenses to the purchaser. In addition, the contractor shall be responsible for a period of **24 months** for Ambulifts at various AAI Airports exclusively from the date of issue of Certificate of receipt of Ambulift by the Engineer-In-Charge, for any defect that may develop or appear under the conditions provided for by the contractor or use thereof arising from faulty material design or workmanship in the equipment or any part thereof or faulty equipment of the contractor but not otherwise and shall remedy such defects as per SLA from the date of notification at his own cost, charges and expenses when called upon to do so by the purchaser who shall state in writing in what respect the portion is faulty.

- 6.6 Any faulty components replaced or renewed under the clause shall also be guaranteed for a period of twenty-four (24) months from the date of such replacements or removal or until the end of the above mentioned period whichever is later. If any defect is not rectified within the said period as per SLA, the purchaser may proceed to do the work at contractor's risk, acceptance and without prejudice to any other rights which the purchaser may have on the



contractor in respect of such character as may affect the replacement or renewals of such defects. Further, if the replacement or renewals are of such character as may affect the efficiency of the installation the purchaser shall have the right to give the contractor within one month from such replacement or renewal, notice in writing for appropriate test to be carried out and should such test show to the satisfaction of the purchaser that the equipment/installation sustains the guarantee given in the contract, the cost of such test shall be borne by the purchaser, should the guarantee be not sustained the cost of the test will be borne by the contractor.

- 6.7 All inspection, replacement, or rectifications carried out by the contractor during the maintenance period shall be at the cost, charges and expenses of the contractor subject to the same conditions as in the contract.



सुधीर गैरोला / Sudhir Gairola

मुख्य अधिकारी (ग्राहक सेवा) / Jt. General Manager (GSM)

एरिया इन्फ्रास्ट्रक्चर ऑथोरिटी / Airports Authority of India

ए.ए.आई., सीडीए, सैफाजुंग / AAI Office Complex

सैफाजुंग एअरपोर्ट / Safdarjung Airport

नई दिल्ली-110003 / New Delhi-110003

Annexure – III (To Purchase Order No. – 01/2021)

TECHNICAL SPECIFICATIONS & METHODOLOGY OF TESTING FOR AMBULIFT

NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
1	PURPOSE/MAIN FUNCTION			
1.1	The Ambulift is to be used for transferring of Passengers with Reduced Mobility(PRM) /Divyang (Specially abled) passengers on wheelchair or other facilities into and out of the main decks of all aircraft types ranging door sill height from 1650 mm to min. 5700 mm		Dimension	Check Quality Control Sheets and Certificates
2	GENERAL REQUIREMENT			
2.1	The Ambulift must be convenient and safe to use and control functions to be performed must be simple to minimize possible errors. Convenient means for emergency system shutdown must be provided at both ground and cabin levels		-	Check Quality Control Sheets and Certificates
2.2	The Ambulift must provide adequate means for ensuring the safety of maintenance personnel. Devices such as disconnect switches, circuit breakers, overload control relays and lockouts, both electrical and mechanical, must be provided to prevent the accidental activation of those positions of the system under operation maintenance. These devices must be located in areas where access is restricted to maintenance personnel.		-	Check Quality Control Sheets and Certificates
2.3	The Ambulift should be able to operate outdoors and functions and controls should be foolproof, fail safe and consistent		-	Check Quality Control Sheets and Certificates
2.4	Vehicle shall be marked with the following details on a data plate fixed on the vehicle at visible place with other necessary statutory plates as per Indian regulation: a) Manufacturer's name, initials or recognized trade-mark if any.		-	Check visually

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	b) Capacity of vehicle. c) Date of manufacturing			
2.5	The manufacturers shall comply with IS 14432(1997)/ AHM904 /AHM910/ AHM913/ AHM914 /AHM915 /AHM921/or equivalent standard for Ambulift.		-	Check for Self – Certification / Undertaking
2.6	The self-propelled Ambulift for Passengers with reduced mobility(PRM) /Divyang passengers is to be built-up on Truck chassis or Chassis of reputed make.			Check Quality Control Sheets and Certificates
2.7	The cabin of the Ambulift will be lifted vertical up with the help of scissor(s)/suitable lifting mechanism operated by hydraulic cylinders driven by PTO. When fully retracted, the unit should be roadworthy for transportation by road.			Check Quality Control Sheets and Certificates
2.8	Service brake must be of dual system type and able to have smooth brake at slow speed to prevent shock to the passenger.			Check Quality Control Sheets and Certificates
2.9	Safety mechanism should be provided to prevent moving of vehicle when stabilizers are down. Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard)			Check Quality Control Sheets and Certificates
2.10	Simultaneous operation of Van body and Front Platform extension is to be prevented. Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard)			Check practically.
2.11	Ambulift shall only be able to driven if the Van body is fully lowered. Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per			Check practically.

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	EN/Equivalent standard).			
2.12	PTO to automatically shut off when vehicle is moving. Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard)			Check practically.
2.13	The vehicle should have the speed governor with a maximum speed restriction of 30 Km/Hrs in compliance to Air safety circular No. 4 of 2007.			Check Quality Control Sheets and Certificates
2.14	The Ambulift shall be fitted with Aircraft damage prevention system as per AHM or equivalent standards.			Check Quality Control Sheets and Certificates
2.15	The unit shall be capable of being driven over roads in the full down position at speeds in accordance with government regulations.			Check Quality Control Sheets and Certificates
2.16	Design Approval Certificate/ Any other document required for permanent registration of Ambulift is to be submitted.			Check Quality Control Sheets and Certificates
2.17	All limit switch(s) to be used should be of water proof type.			Check Quality Control Sheets and Certificates
3	VEHICLE CHARACTERISTICS			
3.1	Chassis and Construction:			
3.1.1	The truck chassis should be of reputed make with 4x2 (with rear dual wheel) or chassis of reputed make with Right Hand Drive.	EICHER PRO 2114 XP		Check as per Technical data sheet
3.1.2	Emission standards/norms must comply to BS VI/EURO VI or equivalent			Check as per Technical data sheet
3.1.3	GVW : Min. 16 Tons			Check as per Technical data sheet
3.1.4	4 Stroke Diesel Engine with Engine Rated Output : Min. 120 KW			Check as per Technical data sheet
3.1.5	Steering system should be hydraulic power assisted.			Check as per Technical data

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
				sheet
3.2	Overall Vehicle Dimension:			
3.2.1	Overall width of the vehicle (Max.): 2700 mm		Dimension	Check as per Technical data sheet
3.2.2	Overall Height of the vehicle in fully retracted position (Max): 4000 mm		Dimension	Check as per Technical data sheet
3.3	Van Body Specification:			
3.3.1	Inner Length of Van Body (Min.) - 6200 mm		Dimension	Check as per Technical data sheet
3.3.2	Inner Width of Van Body (Min.) - 1830 mm		Dimension	Check as per Technical data sheet
3.3.3	Inner Height of Van Body (Min.) - 2100 mm		Dimension	Check as per Technical data sheet
3.3.4	Van body Pay load capacity (Min.) - 3000 Kg		Data	Check as per Technical data sheet
3.3.5	Van body should be equipped with Front Platform having fixed and movable portion to take Passengers with reduced mobility(PRM) /Divyang passengers into and out of the main decks of all aircraft types ranging door sill height from 1650 mm to min. 5700 mm.		Operational Height	Check as per Technical data sheet
3.3.6	Van body should have a foldable tail lift platform or equivalent suitable mechanism for transfer of Passengers with reduced mobility(PRM) /Divyang passengers to ground level and vice versa.		-	Check physically.
3.3.7	Van body should be provided sliding type doors at each end of Van body/platform to be used for embarking/debarking of PRM/Divyang passengers with minimum dimension of door opening as 900 mm usable width and 1900 mm of usable height for access. Also, an additional side door in RH side to be provided for staff/attendant		Dimension	Check as per Technical data sheet

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	access which shall have a minimum usable width of 750 mm.			
3.3.8	All doors and covering to be of durable material, easy to clean with rounded door handle of stainless steel.		-	Check as per Technical data sheet
3.3.9	All doors and access panel shall be provided with security device to retain them in open/or closed position. These devices shall be capable to withstand ambient winds and shall be installed so that doors when open, do not create a personal injury hazard-		-	Check as per Technical data sheet
3.3.10	Heating, Ventilation and Air Conditioning (HVAC) System of adequate capacity to be provided so that optimum temperature of 20°C inside the Van body can be maintained within 25 minutes.	Eberspacher AC 310G2	Performance of AC	Check Quality Control sheet & Technical data sheet
3.3.11	The floor Panels shall allow smooth movements of wheel Chairs and Stretcher trolleys. Steps at the junction between the Platform/floor parts shall not exceed a height of 25 mm and include a ramp at an angle not exceeding 15° with the horizontal plane. The breadth of the gaps between floor areas at junction shall be less than 10 mm.		-	Check as per Technical data sheet
3.3.12	The inner surfaces of Van body or main platform shall have no projections or corners that could cause injury (All such corners shall be chamfered or rounded to a minimum radius of 5 mm).		-	Check physically.
3.3.13	Racks on both side of the Van body to be provided for keeping hand luggage and other belonging of passenger. The width of the rack to be minimum 400 mm.		Dimension	Check as per Technical data sheet
3.3.14	The Drivers cabin to have full width top viewing glass above the driver seat. Also, A thick laminated glass of adequate size shall be provided in the		-	Check physically.

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	rear of the driver's cabin.			
3.3.15	Wide fixed and sliding windows covering two third of the Van body length to be provided on both sides. Tinted laminated glass with UV protection is to be used.		-	Check as per Technical data sheet
3.3.16	Rub rail to be provided on outer side of the Van body on both sides.		-	Check physically.
3.3.17	Failsafe devices to be provided to prevent the unit from free falling.		-	Check as per Technical data sheet
3.3.18	Van body should have the capability to carry Passengers with reduced mobility(PRM) /Divyang passengers: a) 6 Wheel Chairs with attendant b) 2 Stretcher with attendant		-	Check as per Technical data sheet
3.4	Front Platform/Bridge Specification:			
3.4.1	Length of the Fixed portion of Front Platform (Min.) - 800 mm		Dimension	Check as per Technical data sheet
3.4.2	Width of the Fixed portion of Front Platform (Min.) - 1000 mm		Dimension	Check as per Technical data sheet
3.4.3	Height of the Hand Rail - 1070 to 1100 mm		Dimension	Check as per Technical data sheet
3.4.4	The front platform shall be designed to accept a distributed load of 907 kg or a 454 kg concentrated load at either forward quarter area with deflection not exceeding 6 mm.		-	Check as per Technical data sheet
3.4.5	Lateral movement of Front Platform (Min.) - 610 mm Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard)		-	Check as per Technical data sheet
3.4.6	Front Platform should be equipped with extendable platform having minimum extension of 610 mm and it must be flushed with the main platform when fully retracted		-	Check as per Technical data sheet
3.4.7	Front Platform should be provided with safety side railing. Front portion		-	Check physically.

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	of the Side railing facing aircraft should be retractable.			
3.4.8	The front platform shall extend Min. 305 mm beyond the extreme face of the operator's console when it is in its fully longitudinally retracted position. Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard)		-	Check as per Technical data sheet
3.4.9	The front edge of the platform can be adjusted horizontally to the aircraft fuselage within an angle of $\pm 5^\circ$		-	Check as per Technical data sheet
3.4.10	The extendable platform and side railing must be controlled by a dual failsafe control in the Van body and must be equipped with rubber bumper in the front.		-	Check as per Technical data sheet
3.4.11	Bumper shall be fitted with all leading edges and any part of Vehicle that may contact the aircraft.		-	Check as per Technical data sheet
3.4.12	Material used for bumper should be soft and compressible such that it does not damage the aircraft.		-	Check as per Technical data sheet
3.4.13	The Front edge of the extendable platform and side railing must be provided with proximity distance sensor to avoid any damage to aircraft. Also, waterproof mechanical limit switches are to be provided at the Front edge of the extendable platform for dual safety.		-	Check as per Technical data sheet
3.4.14	There should be camera(s) fitted to monitor the front platform movement, and reversing of vehicle with a provision of recording the same for at least a month data. It should come with a display unit in driver cabin to view all camera(s) footage covering positions.		-	Check Quality Control Sheets and Certificate as per Technical data sheet
3.4.15	Portable bridge for smooth transfer of a wheel chair or stretcher trolley between the Front platform and		-	Check physically.

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	aircraft shall be provided.			
3.4.16	A canopy shall be provided over the front platform for protection from rain.		-	Check physically.
3.5	Tail lift Specification Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard).			
3.5.1	A powered tail lift platform in full Van body width to be provided at rear of Van body for transfer of Passengers with reduced mobility(PRM) /Divyang passengers from ground level to Van body and vice versa		-	Check as per Technical data sheet
3.5.2	The rear edge of the tail lift platform shall be ramped to aid wheel chair loading.		-	Check as per Technical data sheet
3.5.3	The tail lift platform lifting mechanism shall be capable of raising and lowering of minimum load of 227 kg without tilt or deflection in excess of 10 mm.		-	Check quality control sheets as per technical data sheet
3.5.4	The lift shall be designed to operate smoothly at a non-jerking speed not exceeding 0.075 m/sec over its full range of travel. It shall automatically stop at Van body floor level when elevating from ground level.		-	Check quality control sheets and certificates as per technical data sheet
3.5.5	The lift platform shall be equipped to carry two wheel chairs and attendant OR one stretcher along with attendant		-	Check as per Technical data sheet
3.5.6	The lift platform shall be foldable at the back of vehicle along with safety railings.		-	Check physically.
3.5.7	a) The Tail lift should be provided with safety rail on each open side including the rear end of the lift platform. b) Height of the foldable all round safety rails of tailgate - 1070 to 1100 mm		-	Check as per Technical data sheet
3.5.8	The lift platform to be provided with fixtures for wheelchair/stretcher to maintain stability during raising or lowering.		-	Check physically.

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
3.5.9	The lift should be provided with failsafe devices to prevent accidental damage to tailgate/van body while folding.		-	Check as per Technical data sheet
3.5.10	The lift should be provided with fail safe devices to prevent Tail lift from free fall.		-	Check as per Technical data sheet
3.6	Material and Thickness Specification			
3.6.1	All longitudinal and cross members should be of steel sections duly reinforced.			Check quality control sheets and certificates as per technical data sheet
3.6.2	Aluminium sheet to be used in Van body construction as per below minimum thickness or Van body as per EN/Equivalent standard. For external panel and roof panel: 18 gauge For Roof interior and interior panels : 1 mm Aluminium Alloy sheet PVC coated (0.25 mm thick)	White Colour lamilux GRP		Check quality control sheets as per technical data sheet
3.6.3	The floor of the Van body should be of min. 18 mm marine ply covered with PVC Vinyl non-slip flooring or as per EN/Equivalent standard. Drain holes to be provided on the floor of the Van body for water drain during washing/cleaning.	19 mm marine ply covered with PVC Vinyl linoleum		Check quality control sheets as per technical data sheet
3.6.4	The Floor of the Front Platform and Tail lift platform shall be min. 10 gauge Aluminium checkered plate or as per EN/Equivalent standard			Check quality control sheets as per technical data sheet
3.6.5	A suitable insulation of min. 50 mm thick fiber glass or Polyurethane of suitable grade or suitable sandwich panels shall be provided inside walls and rooftop.	50 mm FRP + XPS + FRP Sandwich Panel		Check quality control sheets as per technical data sheet
3.6.6	Safety Railing/hand rail must be of stainless steel.			Check as per Technical data sheet
3.7	Stability requirements			
3.7.1	The Ambulift must be certified to be			Check quality

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	safe in fully raised position with stabilizers lowered (if applicable) against wind velocity up to 75 Kmph.			control sheets as per technical data sheet
3.8	Controls			
3.8.1	Controls for following operation to be provided in the driver's cabin.			
	a) Stabilizers operation (Double switch operation) Green and Red light indicating stabilizer portion up or down Or (other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard)			Check quality control sheets as per technical data sheet
	b) Raising and lowering of van body.			Check practically.
3.8.2	The following controls shall be provided inside the Van body.			
	a) Raising and lowering of Van body.			Check practically.
	b) Front Platform in-out and sideways operation.			
3.8.3	The platform controls shall be provided on the platform itself.			Check practically.
3.8.4	Controls for operating the tail lift shall be so mounted that the operation can be controlled from the ground as well as from the body. Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard.			Check as per Technical data sheet
3.8.5	Tail lift operation switch for its raising, lowering, folding and unfolding shall be provided on the rear of the Van body inside and outside. All operations to be provided with double switch operations. Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard.			Check as per Technical data sheet
3.8.6	The drivers cabin should have the master control, so as to render the controls inside the Van inoperative as and when required.			Check physically.

Signature

NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
3.9	Hydraulic System			
3.9.1	The lifting scissors/other suitable lifting mechanism shall be operated by min. 2 Nos. hydraulic cylinders placed suitably for optimum landing on the chassis.		-	Check quality control sheets as per technical data sheet
3.9.2	Min 04 (Four) stabilizer jacks to be provided and should not project beyond the gauge of the chassis in retracted position. Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard.		-	Check as per Technical data sheet
3.9.3	Hydraulic fluid tanks shall be dimensioned so that during maximum system displacement at least 20% of the fluid volume remains in the tank. It should be weather/water proof and must have suitable filtering system, glass level indicator.		-	Check quality control sheets as per technical data sheet
3.9.4	All hydraulic operation must have a master control valve (Solenoid operated) in series with operative valves for dual safety control-for Van body, front platform and tail lift Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard.		-	Check quality control sheets as per technical data sheet
3.9.5	Pressure relief valve(s) are to be provided on all hydraulic circuits.		-	Check quality control sheets as per technical data sheet
3.9.6	Hydraulic operated stabilizers and scissors/other suitable lifting mechanism cylinder shall be provided with individual non-return pilot check valves.		-	Check quality control sheets as per technical data sheet
3.9.7	All hydroelectric controls shall be dual valve operation in order to incorporate built in safety.		-	Check quality control sheets as per technical data sheet

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
3.9.8	A pressure gauge of reputed make to be installed in the hydraulic system to monitor the performance of the system.		-	Check quality control sheets as per technical data sheet
3.9.9	Safety device to prevent lowering of Van body, in case of failure of hydraulic system, to be provided.		-	Check as per Technical data sheet
3.9.10	The Ambulift should have pump (direct mounted on PTO) driven by PTO for operation of hydraulic System for ease of maintenance.		-	Check as per Technical data sheet
3.10	Emergency Operation			
3.10.1	i) D.C motor controlled operation of to & fro movement of front platform, raising/lowering of van body, raising/lowering of tail platform (if applicable), stabilizer extension / retraction (if applicable) ii) Double acting hand pump to be installed so that: a) The retraction of stabilizers can be achieved within 120 to 180 seconds. Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard. b) Manual operation through hand pump for to & fro movement of front platform, raising/downing of van body, raising/downing of tail platform. Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard.		-	Check quality control sheets and certificates as per technical data sheet
3.10.2	Emergency lighting shall be provided to illuminate the body interior. This shall be independent of the unit's main electrical system.		-	Check physically.
3.11	Protection System			
3.11.1	Emergency stop button to be located in driver's cabin & Van body to stop Van body movement in the event of any emergency.		-	Check physically.
3.11.2	Suitable inter-locking Or (other		-	Check as per

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard) to be provided as below so that:			Technical data sheet
	a) It will not be possible to drive the vehicle when the stabilizers are extended (by clutch interlock).		-	Check as per Technical data sheet
	b) It will not be possible to raise the van body and front platform beyond 2500 mm unless the stabilizers are fully extended).		-	Check as per Technical data sheet
	c) It will not be possible to retract the stabilizers unless the van body is brought down to height of 2500 mm.		-	Check as per Technical data sheet
	d) Special interlock between platform 'in' and van body 'Down' will be provided so that unless the platform is fully 'in' the van body cannot be lowered.		-	Check as per Technical data sheet
	e) Mechanical locking (Locking Pin) to be provided in each stabilizer.		-	Check as per Technical data sheet
3.11.3	Van body cannot be raised until the stabilizers are not extended. Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard		-	Check as per Technical data sheet
3.11.4	Bridge sideways movement should not be actuated unless it is raised above the height of driver's cabin Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard		-	Check as per Technical data sheet
3.11.5	Unless the bridge is moved to extreme left, the Van body should not be lowered beyond the height of driver's cabin Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard		-	Check as per Technical data sheet
3.11.6	The Van body can be manually locked at 4 different heights by a suitable		-	Check as per Technical data

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
	arrangement Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard			sheet
3.11.7	Separate Audible warning horns to be provided as one for each:			
	a) Van body down movement		-	Check practically.
	b) Stabilizers are not fully down in the loading position Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard		-	Check as per Technical data sheet
	c) Stabilizers are not in the fully stowed position Or other suitable mechanism for vehicle with self-stabilization technique without stabilizers jacks as per EN/Equivalent standard		-	Check as per Technical data sheet
	d) Pressure bleed-off is occurring.		-	Check as per Technical data sheet
	e) Vehicle reversing operation		-	Check practically.
3.11.8	Storage area & proper holding fixtures are to be provided in the Van Body for stretchers and wheel chairs.		-	Check physically.
4	STANDARD FITMENT			
4.1	Min. 06 Nos. of LED lights to be provided all around the Van body for proper illumination of the cabin without glare and distress to the stretcher patient.		-	Check physically.
4.2	Min. 02 Nos. LED Flood light each to be provided for illumination of platform and tail lift each.		-	Check physically.
4.3	Qty. four flashing anti-collision LED light of amber color to be on four corners of top portion of the vehicle.		-	Check physically.
4.4	One LED roof lamp in driver's cabin.		-	Check physically.
4.5	Rear View mirror on both sides of driver cabin.		-	Check physically.

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NIT Para No.	Technical Specification	Make /Model / Technical Parameters as per the offer	Methodology for testing in FAT	
			Parameter	Inspection Method for FAT
4.6	Dry powder type fire extinguisher of 2 Kgs.		-	Check physically.
4.7	First Aid kit box in the cabin.		-	Check physically.
4.8	Qty. 4 oscillating fan of 450 mm sweep, 12 V DC fan, two each on both side of the cabin to be provided.		-	Check as per Technical data sheet
4.9	Towing hook both at the front and rear of the chassis.		-	Check physically.
4.10	Flame arrestor to be provided.		-	Check physically.
4.11	Fluorescent reflectors on both sides of the vehicle.		-	Check physically.
4.12	Foldable wheel Chair of Stainless steel having compatibility for usage in Aircrafts - 02 Nos.		-	Check as per Technical data sheet
4.13	Trolley mounted stainless Steel Stretcher having compatibility for usage in Aircrafts - 01 No.		-	Check as per Technical data sheet
4.14	Three seater luxury chair with handrail in Cabin -- 01 Nos.		-	Check as per Technical data sheet
5	PAINTING			
5.1	All metallic surfaces of the Ambulift except moving parts should be thoroughly degreased and de-rusted before giving one coat of Primer. The primary coat should be followed by two coats of finishing paint. Painting should be done as per applicable coloring code for Ambulift or any specific color scheme and marking intimated by Airports Authority of India. Paint used should be of ISI/EN or equivalent standard.			Check as per technical data sheet

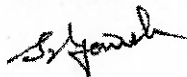
S. Ganesan

PROFORMA FOR PERFORMANCE BANK GUARANTEE FOR PERFORMANCE OF CONTRACT**Bank Guarantee Bond**

(To be stamped in accordance with stamp Act)

(The non-judicial stamp paper should be in the name of issuing bank)

- (i) In consideration of the Chairman, AAI (hereinafter called "AAI") having offered to accept the terms and conditions of the proposed agreement between and.....[hereinafter called the said Contractor(s)] for the work.....(herein after "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement. We.....(Indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Chairman, AAI an amount not exceeding Rs.....(Rupees.....only) on demand by AAI.
- (ii) We.....(Indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from AAI stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the 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.....(Rupees.....only).
- (iii) We, the said Bank, further undertake to pay to the Chairman, AAI any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under his bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
- (iv) We.....(Indicate the name of the bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of AAI under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in Charge on behalf of AAI certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.
- (v) We.....(Indicate the name of the bank) further agree with AAI that AAI shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for



any time or from time to time any of the powers exercisable by AAI against in the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relived from our liability by reason of any such variation, or extensions being granted to the said contractor(s) or for any forbearance, act of omission on the part of AAI or any indulgence by the AAI to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

- (vi) This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
- (vii) We.....(Indicate the name of the bank) lastly undertake not to revoke this guarantee except with the previous consent of AAI in writing.
- (viii) This guarantee shall be valid upto.....*..... unless extended on demand by AAI. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees.....only) and unless a claim in writing is lodged within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

In presence of:

Dated this _____ Day of _____

WITNESS

1 For and on behalf of (The Bank)

2 Signature _____

Name & Designation _____

Authorisation No. _____

Name & Place _____

Bank's Seal _____

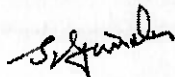
The above Guarantee is accepted by Airports Authority of India. For and on behalf of Airports Authority of India.

Signature _____

Name _____

Designation _____

Dated _____



SITE ACCEPTANCE TEST (SAT) CERTIFICATE FOR AMBULIFT /CERTIFICATE FOR RECEIPT OF AMBULIFT AT SITE

Sl. No.	Items as per packing List Duly Verified by FAT	Quantity	Quantity after Physical Verification

Note:

During physical verification of Ambulift, one member each from Technical Department (if available) and Operations Department shall be present along with Supplier's representative(s).

This is to certify that _____ Airport has received _____ No(s). of Ambulift bearing chassis No(s) _____ on date _____ from M/s. _____ in good condition along with accessories (if any).

Signature: Supplier Representative(s):

Name:

Designation:

AAI: Representative of Technical Dept. Sign (if available) _____

Name:

Designation

AAI: Representative of Operations Dept. Sign _____

Name:

Designation:

S. Jaiswal

**CERTIFICATE FOR RECEIPT OF BANK GAURANTEE AGAINST CAMC & OPERATION AND DEPLOYMENT
OF MANPOWER**

This is to certify that _____ Airport has received Bank Guarantee towards

CAMC & Operation of Ambulift from M/s _____ on date _____.

Also, the contractor has deployed 01 No. driver operator cum technician and 01 No. helper for the

CAMC and Operation of Ambulift and the Ambulift was put into operation w.e.f. from date

_____.

Signature (Supplier Representative(s): _____

Name:

Designation:

AAI: Engineer-In Charge _____

Name:

Designation

S. Ganesh

FORM OF SUPPLEMENTARY AGREEMENT

This Supplementary License Agreement is made at _____
 on _____ day of _____ (month), 2021/22 executing and
 supplementing the agreement no. _____ dated
 _____ Supply, Operation and CAMC of
 (hereinafter referred to as main agreement) by and between:

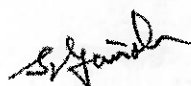
(1) Airports Authority of India (AAI), a body corporate constituted by the Central Government under the Airports Authority of India Act, 1994 and having its corporate office at Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi-110003 hereinafter called the 'Purchaser/Authority'/First Party (which term shall, unless excluded by or is repugnant to the context, be deemed to include its Chairman, or Member, Executive Directors, Airports Directors or Officers specified by competent authority in this behalf, and shall also include its successors and assigns) of the one part.

And

_____ hereinafter referred to as
 'Supplier'/Other Party (which term shall unless excluded by or is repugnant to the context, be deemed to include its heirs, representatives, successors and assigns of the Supplier).

Authority and Supplier are individually referred to as 'Party' and collectively referred to as 'Parties'.

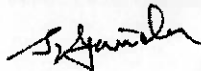
That WHEREAS the second party has substantially completed the supply of items described in and covered by the Main Agreement..... except the item mentioned in the schedule annexed to this Agreement; and whereas both the parties are desirous that the items mentioned in the schedule annexed to this agreement should be executed by the first party after the completion of supply of said equipment or after the completion of guarantee/warranty period as covered by Main Agreement.,



Whereas both parties have agreed to execute main agreement.

Now this deed is witnesseth as under:

- a. That the Supplier shall and will execute the work covered by the items mentioned in the schedule annexed to this agreement at the rates and as per the terms and conditions of the Main Agreement..... whenever called upon to do so by the Technical-In-Charge, within stipulated period from the date hereof.
 - b. That the Supplier shall have absolutely no claim of whatsoever nature against Authority for doing the work mentioned in the schedule annexed to this Agreement as required under clause (a) above, except the Payment as stipulated in Clause _____ of Main Agreement.
 - c. That the Supplier shall be liable to execute all other items arising out of the Main Agreement which in the opinion of the Technical-In-Charge are necessary.
 - d. That the Supplier shall commence working on items mentioned in the schedule annexed to this Agreement within days from on the receipt of communication to the effect from the Technical-In-Charge or from any date fixed in the said communication and shall complete the work within the time fixed by the said Technical-In-Charge or as extended by him from time to time.
 - e. That on the due execution and completion of this agreement by the parties, the bill of the first party in relation to the work already executed by Supplier under the Main Agreement shall be provisionally finalized by the second party and payment on account, if any amount is due, shall be made to the Supplier subject to Authority right to retain such amount as is considered reasonable as a security for the execution of the work mentioned in the scheduled annexed to this agreement and Authority shall have the right to deal with the said amount of security as it deems proper under the terms and conditions of the Main Agreement.
 - f. Further, on the execution and completion of this supplementary agreement, the Supplier shall be entitled to claim back security deposit as mentioned in Clause (d) above relating to the work in question, subject to the right of the second party to retain such amount as he thinks reasonable as mentioned above soon after the CAMC period of month(s), as the case may be mentioned in Clause No. of the original agreement, is over.
 - g. That the final bill relating to work under the Main agreement and Supplementary Agreement will be prepared separately after the completion of the work covered by both Agreements.
3. Except as modified by this agreement the Main Agreement shall remain in the full force and effect.



IN WITNESS WHEREOF THE ABOVE MENTIONED PARTIES HAVE PUT
THEIR signature on this day the

(Signature of Supplier)

(Signature of accepting authority)
For and on behalf of Chairman,
Airports Authority of India

(Signature of Witness)
Name & Address
of witness _____

(Signature of Witness)
Name & Address
of witness _____

Signature