

आर्थिक वर्ष २०७८।०७९ को राष्ट्रिय विपद् जोखिम न्यूनीकरण तथा व्यवस्थापन प्राधिकरणको वार्षिक कार्यक्रममा अन्तर्गत रहेको Multi Seater Grade A Ambulance or Rescue Vehicles for SAR 8 Unit (For NEOC and PEOC) को लागि मिति २०७८ भाद्र ६ गतेको प्रकाशित बोलपत्र आह्वानको सूचना बमोजिम Procurement Of Rescue vehicle for SAR NP-NDRRMA-215233-GO-RFB को मिति २०७८ भाद्र २५ गतेको बोलपत्र पूर्वको बैठकमा स्पेशिफिकेसनमा थप स्पस्टहुन प्राप्त सवाल तथा अनुरोधको सम्बन्धमा मिति २०७८।०५।२७ को निर्णयानुसारको तपशिल विषयहरु स्पस्ट गरेको व्यहोरा जानकारीका लागि अनुरोध छ ।

१. जिज्ञासा: Vehicle को Capacity 120 HP राखिदिन हुन अनुरोध भएको ।

प्राधिकरणबाट खरिद गर्न लागि ERV को engine Power Requirement Vehicle गुडाउने प्रयोजनको लागि मात्र नभई Patient Cab मा रहने HVAC System, Electro-Medical उपकरणहरु प्रयोग गर्न पनि खपत हुने हुँदा सोलाई मध्यनजर गर्दै Power Capacity न्यूनतम् 130 HP राखिएको साविक इन्जिन क्षमतामा कुनै संशोधन गर्न नपर्ने देखिएको मे ई बाट जानकारी प्राप्त ।




२. जिज्ञासा: clarify गर्न अनुरोध भएका तपशिल विषयहरु

S.N	Department al Criteria	Departmental Requirement	Remarks by Bidder	Official Clarification
1	Front Cab	All Steel Cab with separate doors for the driver and co-driver	In Ideal design the co-driver will move out from side passenger door. Request to reconsider	In the Pandemic situation, the driver and co-driver cab need to separate from patient cab. Hence All Steel Cab with separate doors for the driver and co-driver is required.
2	Partition	The partition between driver compartment and rear compartment of cabin should be constructed such that there should be air tight door for easy access.	Please clarify air tight door.	Air tight door is the Sealed Separation between patient and driver portion. Thus, the driver remains isolated from the patients and not exposed to the virus especially in pandemic situation.
3	Patient Cab	Patient cab shall be assembled or	The manufacturing bus company does not always	ISO/ or similar certificate of fabricator

		manufactured by registered/official ISO or equivalent certified ambulance manufacturer.	do fabrication depending on the scope. We can provide ISO/ or similar certificate of fabricator and bus manufacturer.	and bus manufacturer can considered.
	Patient Cab	Separate Air conditioning system with heating facility with through ventilation	Please clarify the word Separate	Here separate means the patient cab and Driver cabin
	Patient Cab	At Least one stretcher shell be roll-in-self-foldable/collapsible type.	In the bus type ambulance, the design would not permit roll-in-self-foldable stretcher. Please consider.	It can internally designed. Bidder must submit the detail internal design of Partition and medical equipment location during bid submission.
	Patient cab	IT compatible internet system	Please clarify IT compatible system.	It's an Internet System in Vehicle.
	Patient Cab	Footstep as required for lying compartment above 800 mm	Request to consider 400 mm	There shall be a foot step of suitable type installed to assist the patient movement if the laying bed level is more than 800 mm. For the level of 400 mm there is no need for foot step.
4	Delivery Date	Within 90 days from date of signing the contract agreement.	Within 180 days from date signing the contract.	This is MTDF funded project. The time of project is up to 31 January 20 21. Office can provide 120 days from date of agreement.

1. जिज्ञासा: clarify गर्न अनुरोध भएका तपशिल विषयहरू

Page No.	TENDER SPECIFICATION	QUERIES	Clarification
-	Chassis	Please allow considering also for bus chassis.	Bid allow for chassis also.
50	Sl. No. 1: Seating Arrangement: At Least 6 laying patient	The patients can be positioned in two levels, where the positioning to the upper berth / position would need manual lifting of the stretcher to the position?	Manual lifting of the stretcher to the position.
50	Sl. No 3: Engine developing maximum power output not less than 130 HP and maximum torque should not be less than 400 Nm	Request considering and amend this point with power output 110 HP and maximum torque should not be less than 300 Nm.	प्रधिकरणबाट खरिद गर्न लागि ERV को engine Power Requirement Vehicle गुडाउने प्रयोजनको लागि मात्र नभइ Patient Cab मा रहने HVAC System, Electro-Medical उपकरणहरू प्रयोग गर्न पनि खपत हुने हुदा सोलाइ मध्य नजर गर्दै Power Capacity न्यूनतम 130 HP राखिएको ।
51	Table, Sl. No. 14: Exterior panelling with aluminium sheets and coils Sl. No. 16, 2 nd Bullet: all metallic cab with	Request permitting other equivalent / better non-corrosive and non-metallic modern composite materials as well.	Exterior panelling with aluminium sheets and coils is standard for Ambulance.
51	Sl. No. 16, 3 rd Bullet: Separate Air Conditioning system with heating facility	The air conditioning cum heating should only be provided in the patient compartment or in both the compartments? If for both then the driver cabin should have separate blower or can be fed through a duct / exhaust fan?	Separated doesn't necessarily indicate that HVAC system is installed only on Patient cab but the control of the switching of AC of Patient cabin and


	with thorough ventilation		Driver Cabin should be separate.
51	<p>Sl. No. 16, 4th Bullet, 1st Sub-Bullet: At least one stretcher shall be roll-in-self-foldable / collapsible type</p>	<p>Kindly clarify, if</p> <ol style="list-style-type: none"> The roll-in stretcher should be of manual loading type or should be powered? <p>Option:1</p> 	Both option can be considered.
		  <p>Option:2</p>	



2. The patient would be manually lifted from the roll-in stretcher top to the positions?
3. Should the stretcher top should be detachable from the trolley and similarly all the stretcher positions should be identical so that there is no multiple shifting to transfer the patient from the stretcher to the position?



4.

		<p>2. The patient would be manually lifted from the roll-in stretcher top to the positions?</p> <p>3. Should the stretcher top should be detachable from the trolley and similarly all the stretcher positions should be identical so that there is no multiple shifting to transfer the patient from the stretcher to the position?</p> 	<p>4.</p>
<p>51</p>	<p>Sl. No. 16, 4th Bullet, 2nd Sub-Bullet: Seats for doctor/paramedic optimized for easy accessibility of patients.</p>	<p>Please clarify if these seats should be foldable seats with arm rests, head rests, three point retractable seat belts and clean floor below it or standard floor mounted seats would be acceptable?</p>	<p>Normal foldable seats without arm rests and head rests and shall be floor-mounted.</p>
<p>51</p>	<p>Sl. No. 16, 4th Bullet, 7th Sub-Bullet:</p>		
	<p>oxygen cylinders for supplying oxygen</p>	<p>Please clarify minimum two cylinders with medical grade certified automatic switchover and digital system.</p>	<p>Cylinder should be of water capacity of 40 litres. Minimum 2 cylinders</p>
	<p>and an adapter to refill the cylinder</p>	<p>Please delete as it is strictly forbidden to handle high pressure oxygen like this. Oxygen refilling must be undertaken by a certified organization</p>	<p>Shall be delete from official specification</p>

	form a bulk cylinder		
51	Sl. No. 16, 4 th Bullet, 8 th Sub-Bullet: Cleaning bottle a vacuum case and 3 DIN oxygen socket.	Please clarify cleaning bottle or humidifier bottle? The outlets should be 3 or 6?	Humidifier bottle
52	Sl. No. 16, 7 th Bullet Anti-corrosion Aluminium hygienic interior panels	Request permitting other equivalent / better non-corrosive and non-metallic modern composite materials as well.	Aluminium is chosen for better cleaning and disinfecting.
56	4.1 Shall have turbine base-technology for supplying air.	Request permitting all type of technologies without any restrictions	Turbine based technology is our requirement and compact and available in market.
56	4.7, d) FiO2: 21 - 100%	Considering the application we request permitting oxygenation from 40% to 100% adjustable in steps of minimum 10%.	It is departmental requirement and available in market.
57	4.12 The ventilator should have automatic FiO2 setting function according to the pressure, flow and Tidal volume.	Request deletion because the device can't adjust any clinical parameter on its own without the intervention of the doctor / paramedic.	It is departmental requirement and available in market.
	4.13 Should have single and dual patient circuit system with patient valve.	Request replacing "and" with "or" as the devices would be either of the one type.	Both is departmental requirement and available in market.
	5.1 HME Filters (adult & pediatric) - 5 nos. Bacteria Filters (adult & pediatric) - 5 nos.	Request permitting HME cum Bacteria filters as well.	Both is departmental requirement and available in market.

	7.3 Equipment safety standard shall follow IEC 60601, document evidence shall be submitted for evaluation	Request clearly specifying IEC-60601-1-12 or equivalent standards like EN-1789 etc., which are applicable for ambulance application.	All components of medical equipment should follow IEC 60601 which is departmental requirement.
58	USG Machine	Request clarifying that any statutory documents for procurement of USG as may be required by the respective manufacturer would be provided to the successful bidder.	Documents shall be provided.
62	4.8 Infusion Rate 1ml/h to 1800ml/h	Request keeping the maximum flow up to 1200 ml./hr which is more than enough for any sort of clinical application.	It is departmental requirement and available in the market.
62	4.15 The weight of infusion pump should not be more than 1.5 Kg.	Request permitting devices weighing up to 2 Kg, be permitted.	It is departmental requirement and available in the market.
62	4.16 The infusion pump must have touch screen function.	Since the device really does not need frequent setting changes in the intended application we request not restricting devices to only touch screen types, which are not common even for the top global manufacturer of the device.	It is departmental requirement and available in the market.
64	4.10 Capability to program, Volume to Be Infused from 0.1ml to 9999ml	The higher value should be specified to 999.	It is departmental requirement and available in the market.
65	4.14 KVO Rate: 0.0 ~ 10.0 ml/h max (depending on syringe size)	Please permit max rate up to 5 ml/hr.	It is departmental requirement and available in the market.
66	4.2 Should have 12" or more high-resolution screen	Request restricting the screen size at 8.4" maximum because more than this size transport monitors are not manufactured by any of the manufacturers.	It is departmental requirement and available in the market.
66	4.3 SpO2, NIBP	Considering the application if felt appropriate it may be stated that these two modules must be certified for low perfusion and transport applications like Masimo SpO2 and SuntechNIBP	It is departmental requirement and available in the market.
68 70 77	7. Standards and Safety Requirements	Request clearly specifying IEC-60601-1-12 or equivalent standards like EN-1789 etc., which are applicable for ambulance application as already specified at page 67, 7.3 for ventilator.	All components of medical equipment should follow IEC 60601 which is departmental requirement.

69	7. Technical specification Of ECG Machine (12 Channel)	Please permit monitors with 12 lead ECG and integrate printed can be offered with the add on features as equivalent devices.	It is departmental requirement.
73	9. BIPAP (Bi-level Positive Airway Pressure)	Please delete as the ventilator specified already has this feature integrated in it.	It is departmental requirement.
75	10. Defibrillator	Please permit integrated monitors cum cardiac defibrillators s equivalent devices.	It is departmental requirement.
75	4.2 The defibrillation shock is delivered using biphasic waveform which delivers a lower range of energy shocks approx. 2 to 360 Joules. Lower energy less than 360 J is not accepted.	Request replacing 360 to 200 as more than 200J is clinically forbidden for biphasic devices.	360 J is our requirement and is used clinically.
78	7.2 CE or USFDA approved product certificate	Considering the application request specific inclusion of Low perfusion and transport application under this requirement.	CE or USFDA is departmental requirement.