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ANNEX A TO

NHQ LTR NO 23.02.2626.183.26.101.25.497

DATED 12 MARCH 2025

**TECHNICAL SPECIFICATION FOR 5 DOOR JEEP (GROUP-A) MAKE: LEXUS-LX-570, JAPAN
COMPLETE WITH STANDARD TOOLS & ACCESSORIES (QTY: 01 IN NOS, FY: 2024-2025)**

Ser	Nomenclature/ Description	Specification Specified	To be filled up by the principal/ manufacture
1.	Name and address of Local firm, Contact no, Email and Phone no	To be mentioned	
2.	Name of the Manufacturer with full Address	Toyota Motor Corporation Toyota- Cho Toyota Aichi, 471 Nagoya, Japan	
3.	Name of the Principal with full Address	To be mentioned	
4.	Nomenclature	Lexus (LX 570)	
5.	Make & Model	Lexus (LX 570) Latest Production Model	
6.	Country of Origin	Japan	
	Country of Manufacturer	Japan	
	Country of Assembly	Japan	
7.	Drive	4 x4, Right Hand Drive (RHD)	
8.	Configuration	4 x4, Full time all Wheel Drive	
9.	Year of Manufacture	2025 or later	
10.	Port of Shipment	Any sea port of manufacturing country	
11.	Roof & Door	Hard Top	
12.	Dimensions:		
	a. Overall Length	5065 mm	
	b. Overall Width	1980 mm	
	c. Overall Height	1865 mm	
	d. Interior Dimension	Room interior: a. Length - 2615 mm b. Width - 1655 mm c. Height - 1200 mm	
13.	Wheel Base	2850 mm	
14.	Ground Clearance	225 mm	
15.	Wheel Track (Tread):		
	a. Front	1640 mm	
	b. Rear	1635 mm	
16.	Gradient	Gradient 45° (Gradibility 100%)	
17.	Angle of Approach	25°	
18.	Angle of Departure	20°	
19.	Fording Depth	700 mm	
20.	Weights:		
	a. Payload	715 Kg	
	b. Gross Vehicle Weight (GVW)	3400 Kg	



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	c. Kerb Weight	2685 Kg	
21.	Seating Capacity and Seating Arrangement	02 person front and 4 person rear (minimum). Seating arrangement to be mentioned. Height of seat should be comfortable for seating passengers.	
22.	Maximum Turning Radius	5.9 m (Tyre)	
23.	Engine.		
	a. Type	5.7 Liter V8 Four Cam 32- valve DOHC with Duel VVTi	
	b. Model	3UR-FE (Gasoline Engine)	
	c. Country of Origin	Japan	
	d. Manufacturer Country (Made in)	Japan	
	e. Country of Assembly	Japan	
	f. No of Cylinder	08-Cylinders	
	g. Bore & Stroke	94.0 x 102.0 mm	
	h. Piston Displacement	5663 cc	
	j. Compression Ratio	10.2:1	
	k. HP	362 HP (270 KW)/ 5600 rpm	
	l. Max	530 N-m/ 54.0 kg-m)/3200 rpm	
	m. Turbo Charger (avail or not)	To be mentioned	
	n. Injection Type (direct/ indirect)	Direct	
	p. Fuel tank capacity:		
	In built tank capacity for minimum range of daily endurance 500 Km (310 miles) on level 1st class road.	138 Litres (93+ 45 sub fuel tank).	
	q. Cruising Range	More Than 500 Km	
	r. Fuel injection pump:		
	(1) Fuel System.	Electronic Fuel Injection (EFI)	
	(2) Fuel consumption (for 100 km)	16 litre/100 km (approx) subject to road, load and driving condition	
	s. Max Speed:		
	(1) High way	210km/h	
	(2) Cross country (Veh mast have cross country mob).	70 km/h depends on road, load and driving conditions	
	t. Air cleaner Type	Square + Pre-Cleaner	
	u. Fuel filter type	Paper filter element type	
	v. Cooling system	Liquid cooled	
	w. Life expectancy	Life expectancy of new engine up to 1st overhauling not less than 1,00,000KM subj to strictly maintenance the vehicle as per manufacturer owner's manual (Manufacturer certificate to be provided)	
	x. Engine Test Bench Report	During Inspection Engine Test	



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	from manufacturer (Which prepared by manufacturer during production of Engine at factory premises).	Bench Report (for each model) must be produced and submitted to the team (Duly signed and stamped by the manufacturer) which was prepared by manufacturer during production of the same model must be certified confirming the engine Test Bench Report by the manufacturer (duly signed and stamped)	
24.	Transmission:		
	a. Type (Auto/Manual)	8 Speed Automatic transmission	
	b. Gear box model	AE80F	
	c. Country of Origin	Japan	
	d. Country of Manufacturer	Japan	
	e. Country of Assembly	Japan	
	c. Gear ratio	1st-4.795:1 2nd-2.811:1 3rd-1.844:1 4th-1.429:1 5th-1.213:1 6 th -1.000:1 7 th -0.817:1 8 th -0.672:1 Reverse:3.786	
25.	Type of steering	Hydraulic Power steering	
26.	Transfer Case:		
	a. Type	Full time transfer	
	b. Model	02 speed, full time transfer	
	c. High Gear Ratio	1.000	
	d. Low Gear Ratio	2.618	
27.	Suspension details:		
	a. Front	Double Wishbone, shock absorber with stabilizer bar.	
	b. Rear	4 link Rigid Axle, shock absorber with stabilizer bar	
28.	Brake System:		
	a. Service brake	Front: Ventilated Disc Rear: Ventilated Disc	
	b. Parking brake	EPB, Center Console	
	c. Emergency brake (if available)	Parking brake will serve the purpose.	
29.	Wheel & Tyre:		
	a. Tyre size front, rear & spare.	285/60R18	
	b. Tyre brand	Bridgeston/Dunlop/Yokohama	
	c. Tyre manufacturer country	Japan	
	d. Tyre pattern	As per Lexus standard	
	e. Wheel size	8J	
	f. Wheel pattern	Aluminum alloy wheel for all wheels	
30.	Electric system:		
	a. Volt	12 V	



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	b. No of Battery (Volt, AH)	12 Volt single Battery, AH to be mentioned	
	c. Alternator (Volt, Amp)	12 Volt-1800 Watts (150 Amp)	
	d. Starter (KW)	2.0 KW.	
31.	Noise suppresser	All components producing noise and spark will be adequately cushioned shielded as per Toyota Lexus latest standard	
32.	Windshield:		
	a. Laminated windshield glass	Lexus standard Acoustic Glass with Rain drop sensor to be provided	
33.	Rear Doors	Lexus standard rear door (Power tit-up)/vertical to be provided	
34.	Clutch details	Lexus standard synchronizer type	
35.	Type of Gear shifting lever	Floor shift position	
36.	Front Axle:		
	a. Type	Full floating	
	b. Axle Capacity	1620 Kg	
37.	Rear Axle:		
	a. Type	Full floating	
	b. Axle Capacity	2650 Kg	
38.	Differential lock	As per Lexus latest standard the vehicle to be equipped with ABS (anti lock brake system, BA (brake assist), EBD (electronic brake force distribution), LSD (Limited Slip Differential), VSC (vehicle stability control), ATRC (active fraction control), Crawl control & Cruiser Control system. As such, differential lock is not require not available for this model	
39.	Following accessories to be provided with each vehicle:		
	a. 01 set x spare wheel complete set with fitting attachment under with lock and key & wheel		
	b. Lights 02 x Head lights (Halogen head light), 04 x Tum signal light (front & rear), 02 x Brake lights, 01 x Reverse light, 01 x Cabin light, All gauges and meters in dashboard Fuel gauges, Hazard warning lights etc as required for proper functioning of all system of the vehicle (As per Lexus standard)		
	c. 02 x Fog lamp at front (for driving during foggy weather)		
	d. Fire Extinguisher 01 Kg capacity for ABC type fire extinguisher which will extinguish of all type of fire with bracket and chemical to be fitted at the side of driver seat to be provided		
	e. Seal bell for driver and other passenger		
	f. Inspection Lamp complete with Cable (10 meter), Plug & arrangement of socket in the vehicle for using inspection lamp (locally) (Sample to be approved from DNST before supply).		



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	g. 01 set x Floor mat front & rear complete		
	h. 02 Sun visors with fitting brackets (Illuminated + Vanity Mirror + Sub Visor)		
	j. 01 x inside rear view mirror. Automatic Day & Night with Auto high beam Camera to be provided		
	k. 02x Chrome plated outside power door rear view mirrors with folding function: Power, Retractable, Smart illume, Heater with Camera to be provided		
	l. 01x Cigarette lighter & Ashtray: N/A		
	m. AM/ FM Radio set complete		
	n. CO/DVD player Complete: Japan origin "AM/FM Radi & DVD player with 19 speakers to be provided		
	p. Clock at Dash board		
	q. Both side door: Full size normal door with normal winding windows power operated		
	r. Rear windshield with defogger		
	s. Type of seat: Leather type seat		
	t. Tachometer with Engine RPM Meter and Speedo Meter (MKS system) in dashboard		
	u. Boost ventilator with Central cool and Hot Air Circulation (Dual Type A/C) with Climate Control System. Auto Control fresh, cool & hot air circulation (4 Seat Independent control + Exhaust Gas Auto Change i.e. (Dual type Air Condition)		
	v. Steering wheel Cover (Leather Warp type)		
	w. Door Locks Auto Power door lock.		
	x. Driver seat Double side front and rear height adjustable with full tilting system of back rest for driver and second seater to be provided/ Fitted (Power)		
	y. Cup Holder (FR 2 + 2 nd 2 + 3 rd 4)		
	z. Intermittent windshield wiper 02 x front and 01 x rear		
	aa. 45 liters sub fuel tank (same type of main fuel tank - smaller size) to be provided. Fitted beside the main fuel tank		
	bb. Towing Hook Facility		
	cc. Front foot lamps and lighting for side steps (both side)		
	dd. Cooler box		
	ee. Cargo room accessory socket		
	ff. Lexus standard BS+BA+EBD+VSC + ARTC + CRAWL Control + Cruise Control to be provided		
	gg. 19 speaker audio system		
	hh. Coat Hook		
	jj. SRS Air bag-Front (D+P), CSA (FR+2+3) and side (Front +2 nd Raw).		
	kk. Spares Tyre Cover or case is not necessary as it to be beneath the vehicle		
	ll. Pintle Hook at rear: Lexus standard lowing hook (FR-1 and RR-1) to be provided		
	mm. Rear Door Opening System outside only.		
	nn. Roof mount cabin lamp (inside cabin) (FR1+RR1).		
	pp. Front & Rear Grill Guard/Bull Bar (Locally foreign origin) (Sample to be approved from DNST before supply)		
	qq. Any other accessories to be provided with each vehicle: Following additional accessories:		
	(1) Wireless door lock		



Ser	Nomenclature/ Description	Specification Specified	To be filled up by the principal/ manufacture
	(2) Glove Box (3) Rear spoiler 4) Child Protector (5) Roof rail (6) Moon roof (7) Assist Grip (8) Steering audio switch (9) USB and Bluetooth (10) Front & Rear console box (11) Overhead Console (12) High Mount stop Lamp (13) Rear Fog Lamp (14) Multi information display (15) Globe box Lamp (16) Accessory Connector (FR + RR) (17) Seat belt warning (18) GPS/Navigation system (19) Back Camera (20) Multi terrain Back Monitor (21) Front & rear personal lamp		
40.	Following tools set to be provided with each vehicle: a. 01 x Std Jack (Hydraulic type) as per Lexus latest standard. b. 01 x Wheel wrench with handle. c. 01 x adjustable wrench (locally) (Sample to be approved from DNST before supply). d. 01 x Pliers. e. 01 x Screw driver (+-) with handle. f. 02 Nos double ended spanner (size 8x12, 14x16). g. 01 x Grease gun with replaceable tip (locally) (Sample to be approved from DNST before supply). h. Tyre pressure gauge (locally) (Sample to be approved from DNST before supply). j. 01 x Tool bag for above tools.		
41.	Fuel (Petrol/ Diesel), Oil & Lubricants Information must be submitted with the offer: a. Detail maintenance schedule of vehicle & engine b. Type of fuel used in veh. c. Type of fuel to be used in Bangladesh (BD) d. Type of engine oil used in veh e. Type of engine oil to be used in Bangladesh (BD) f. Type of gear oil used in veh g. Type of gear oil to be used in Bangladesh (BD)		
42.	Colour: Available Manufacturer colour to be mentioned.		
43.	Production date: To be manufactured not before the year of contract. Production date must be mentioned on the veh identification (ID) plate by the Manufacturer/assembler or certificate of production from the Manufacturer must be provided.		
44.	Name of Qty	01 (One)	




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Ser	Nomenclature/ Description	Specification Specified	To be filled up by the principal/ manufacture
45.	Time of Delivery	06 Months from the date of signing contract	
46.	Validity of Offer	Up to 30 June 2025	
47.	Pre Shipment Inspection (PSI):		
	a. Pre Shipment Inspection (PSI)/ Factory Acceptance Test (FAT) will be carried out by team of two (02) BN Officers for a duration of total three (03) days excluding journey period, mainly at the buyer's expense. All types of movement/ transportation (air, sea, road, rail) of the BN team within the manufacturer/ supplier's country, reception and arrangement for entry in to the country/ concerned area for the PSI/FAT team are to be arranged by the supplier without any extra cost		
	b. The supplier should inform the buyer/ DGDP about the date and schedule of PSI/FAT at least 08 (Eight) weeks prior to the date of commencement of the PSI/ FAT including the test procedure that will be carried out during PSI/FAT. After PSI/FAT a joint inspection report will be prepared and signed by both the seller and buyer's representatives at PSI/ FAT premises		
	c. The PSI/FAT will be carried out the manufacturer's/ principal's/ factory premises. During PSI/FAT the supplier will provide all required materials/ test equipment to carry out PSI/FAT without any extra cost		
	d. If the PSI is not carried out by Bangladesh Navy officer due to any unavoidable circumstances like war/ pandemic etc then the PSI can be done by Defense Attaché in concerned country (if available) or else a Quality Assurance Certificate (QAC) is to be provided by the supplier's principal/ manufacturer for equipment and spares along with guarantee certificate for bearing any damage during transportation		
48.	Payment Terms	As per DGDP rules	
49.	Place of Delivery	After final inspection at consignee's premises all vehicles will be delivered in Dhaka under the arrangement of local agent.	
50.	Consignee	The Commanding Officer Naval Stores Depot Chattogram New Mooring, Chattogram, Bangladesh	
51.	Warranty/ Guarantee	Warranty/ Guarantee for trouble free operation to be given by the supplier/ manufacturer for all the supplied items for a period of 12 months or 20,000 Km whichever comes earlier from the date of acceptance from the buyer. During the warranty period if the vehicle remains non-operational for any action pending by the supplier, the warranty period will be extended for the same period. The warranty covers all parts and labor (including service engineers' cost) throughout the warranty period	



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52.	Packing/Marking	As per standard trade packing. Packing/Marking will be done by the firm so that the stores are not affected by sea water and damp weather during transportation. Preservative materials (anti saline / anti rust material) such as wax, grease etc as required must be coated on the surface of the vehicles/equipments/items (as applicable) for safe transportation by Sea,Rail. Road or Air. Marking must be done clearly in English Language in each container/packages for easy identification of the store mentioning the contract No. & name of consignee. Container/boxes must be strong enough to bear or withstand the load of contained materials during transportation	
53.	Shipment	Stores must be shipped from the country of origin and transshipment is not allowed	
54.	All components of the vehicle/equipment/items must be "Brand new" and manufactured not before the contracted calendar year. Moreover, manufacturer's certificate showing year of production is to be provided during pre-shipment inspection/ post-shipment inspection		
55.	Make/Model/type & production year of vehicle/equipment/items must be mentioned in the offer/quotation		
56.	One set of necessary shipping documents must be submitted to DNST for equipment/vehicle		
57.	a. Original offer (with proper signing at every pages) along with original brochure/catalogue with proper marking and signed, name, designation Telephone No. Fax No. E-mail and address must be submitted		
	b. Offered technical specifications must be confirmed to the specifications mentioned in the submitted brochure/catalogue. Fax/photocopy/hand written offer/ catalogue/brochure and catalogue without marking/signing will not be considered during technical vetting		
	c. Hand written offer and any hand written clarification will be directly rejected. It must be typed or computer printout in original pad of the manufacturer, principal and local agent with proper signing authority.		
58.	Tempered offer will be directly rejected		
59.	Conditions: a. Authorization certificate (Original) in favour of Principal by the original vehicles/equipment's/items manufacturer to be submitted along with offer		

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	b. Authorization certificate (Original) in favour of local agent by the Principal to be submitted along with offer.		
	c. The Manufacturer, Principal and Local agent must be give a Guarantee Certificate for the Following:		
	(1) Same/similar model of vehicles/equipment/items will be available for next 10 years (Certificate by manufacturer)		
	(2) Spares will be available for at least 15 years (Certificate by manufacturer)		
	(3) Urgent spare parts to be made available by the supplier to user within 30 days of placing the demand subject to stock holding, In case stock is not readily available immediate action will be taken on priority to manufacture/procure the same and will be supplied at the earliest		
	(4) After sales service should be available with the local agent of the supplier and to be provided as and when required for indefinite period (Free of charge up to guarantee period and thereafter on payment)		
	d. The vehicles/equipment's/items as received at the consignees end will be inspected by representative of consignee, local agent and Sadharan Bima Corporation (Surveyor).The local agent/supplier must repair/replace any defect/damage or pilferage occurred during shipment/transportation		
60.	Inspection & Testing Facilities: The supplier/local pay all cost connected with the inspection and will provide without extra charge, that included all material, tools, instrument & assistance etc. of every kind which the inspector may consider necessary for the inspection. Supplier & local agent shall also provide such material (free of charge) as he may require for test. Cost of laboratory test will be borne by the supplier's local agent if required		
61.	Technical specification and all terms and conditions with tender form must be filled up by the local agent, principal & manufacturer (As per guide line/instruction against each annex) and must be submitted with the offer. Otherwise the offer will not be considered in technical vetting		
62.	Supply of all the equipment must be completed by the principal/local agent within the stipulated delivery schedule mentioned in the contract		
63.	No deviation from the contracted specification after signing the contract will be acceptable during pre-shipment inspection and post shipment inspection		
64.	Deviation from the above mentioned terms & conditions and any conditional offer will not be accepted during technical vetting		
65.	Any damage/pilferage or discrepancies arise during transportation will be fulfilled by the supplier/local agent		
66.	Other Condition. As per foreign tender/contract forms which are available with DGDP		



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67.	Fast & Slow moving essential spare parts	A list of fast & slow moving spare parts with part no and unit price should be quoted separately along with the offer	
68.	Price	To be mentioned in foreign currency. FOB value, Freight and Agency commission must be mentioned separately	

