

TECHNICAL SPECIFICATION FOR PROCUREMENT OF 5-DOOR HARD TOP JEEP (GS) GROUP A
QUANTITY-01 UNIT FOR BAF IN FY 2025-26

Ser	Description	Specification Specified	To be filled up by the Principal/ Manufacturer
1.	Type of the Vehicle	5-Door Hard Top Jeep (GS) Group A	
2.	Name of the Local Agent with full Address	To be mentioned	
3.	Name of the Principal with full Address	To be mentioned	
4.	Name of the Manufacturer with full Address	Toyota Motor Corporation – Lexus 466-0057 Aichi-ken, Nagoya-shi, Showa-ku, Takatsujicho,3-8-1	
5.	Brand	Toyota	
6.	Model	Lexus LX-600 or Latest Production Model, not manufactured earlier than the year of contract	
7.	Country of Origin	Japan	
8.	Country of Assembly	Japan	
9.	Country of Manufacturer	Japan	
10.	Drive	Right hand drive (RHD)	
11.	Configuration	4x4 All-Wheel drive (Full Time)	
12.	Roof & Door	Hard Top, 5-Door	
Dimensions:			
13.	a. Overall length	Minimum 5100 mm	
	b. Overall width	Minimum 1990 mm	
	c. Overall height	Minimum 1885 mm	
	d. Interior dimension	Length: 2635 mm, Width: 1665 mm & Height:1220 mm	
14.	Wheel base	Minimum 2850 mm	
15.	Ground clearance	Minimum 254 mm	
Wheel Track (Tread)			
16	a. Front	Minimum 1675 mm	
	b. Rear	Minimum 1675 mm	
17.	Gradient	45 ⁰ (grade ability 100%)	
18.	Angle of approach	Minimum 25 degrees	
19.	Angle of departure	Minimum 21 degrees	
20.	Fording depth	Minimum 700 mm	
Weights			
21.	a. Kerb weight (kg)	Minimum 2660 kg	
	b. Pay load (kg)	Minimum 710 kg	
	c. Gross Vehicle Weight (GVW) (kg)	Minimum 3280 kg	
	d. Power to Weight Ratio	To be mentioned	
	e. Towed Load off Road (Cross Country)	Minimum 3500 kg	
22.	Seating capacity and seating arrangement	VIP 4-seater with a maximum leg space of 1100 mm/ 43 inch (including driver). Seating arrangement to be mentioned. Height of seat should be comfortable for passengers.	
23.	Maximum turning radius	Maximum 6.0 m	



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24.	Engine a. Type b. Brand c. Model d. Country of origin e. Country of Assembly f. Country of Manufacturer g. No of cylinder h. Bore and Stroke j. Piston Displacement k. Compression ratio l. Horse Power (HP) m. Torque n. Injection type p. Life Expectancy	3.5L Twin Turbo Petrol 6-cylinder, V Type, 24-valve, DOHC, Chain Drive, Turbo Charged with intercooler (intake) Toyota V35A-FTS (Gasoline Engine) Latest Production Model (not before the year of 2026) Japan Japan Japan Minimum 6 cylinders Minimum 85.50 mm x 100 mm Minimum 3445 cc Minimum 10.3:1 Minimum 409 HP (305 KW)/5200 rpm Minimum 650 N-m (66.3kg-m)/2000 rpm Direct Type Life expectancy of new engine up to 1 st overhauling not less than 1,00,000 km (certificate to be provided by manufacturer along with quotation)	
	q. Engine Test Bench Report	1. Engine Test Bench Report for all engines prepared by manufacturer during production of engine at manufacturing factory must be submitted to the SI/PSI team for each model 2. If Engine Test Bench Report of all engines cannot be submitted, in that case, for other engines of the same model must be certificate and confirmed with the engine Test Bench Report (mentioning engine number) by the manufacturer duly signed and stamped	
	r. Emission Standard	Euro-IV/Equivalent	
	s. Fuel tank capacity: In built tank capacity for minimum cruising range of 500 Km (310 miles) on level 1 st class road	Minimum 110 Liters (80+30 sub fuel tank)	
	t. Cruising range	More than 600 km	
	u. Fuel System:		
	(1) Fuel System	EFI (Electronic Fuel Injection)	
	(2) Fuel consumption (for 100 km)	Minimum 12 liter/100 km (approx) subject to road load and driving condition	
	(3) Type of Fuel	Octane	
	(4) Fuel Injection Pump:		
	(a) Manufacturer name or brand name of injection pump	Toyota	
	(b) Country of Manufacturer	Japan	
	(c) Type Rotary/VE/Common Rail	To be mentioned	
	v. Maximum Speed:		
	(1) High Way	Minimum 210 km/h	
	(2) Cross Country (Veh must have cross country mob)	Minimum 70 km/h (approx) subject to road load and driving condition	



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	w. Air Cleaner Type	Square + pre-cleaner	
	x. Fuel Filter Type	Paper filter element type	
	y. Cooling system	Water cooled	
	<u>Chassis:</u>		
25.	a. Type	To be mentioned	
	b. Country of Origin	Japan	
	c. Country of Manufacturer	Japan	
	d. Country of Assembly	Japan	
	e. Length x Width	To be mentioned	
	<u>Transmission:</u>		
26.	a. Type	10 Speed Auto Transmission	
	b. Gear box Model	AE80F Latest Production Model (not before the year of 2025)	
	c. Gear Ratio	1 st - 4.923, 2 nd - 3.257, 3 rd - 2.349, 4 th - 1.944, 5 th - 1.532, 6 th - 1.193, 7 th -1.000, 8 th -0.801, 9 th -0.661, 10 th 0.613 and reverse-4.308 or to be mentioned	
	<u>Steering System:</u>		
27.	a. Type of steering	Electronic power steering with tilting facility	
	b. Steering audio switch	To be provided	
	c. Steering remote control	To be provided	
	<u>Transfer case:</u>		
28.	a. Type	Full time transfer	
	b. Model	02 speed, full time transfer Latest Production Model (not before the year of 2026)	
	c. High Gear Ratio	1.000	
	d. Low Gear Ratio	3.307	
	<u>Suspension details:</u>		
29.	a. Front	Double wishbone, coil spring, gas filled shock absorber with stabilizer bar	
	b. Rear suspension	Trailing-link rigid axle type (rear), coil spring, gas filled shock absorber with stabilizer bar	
	<u>Brake system:</u>		
30.	a. Service brake	Front: Ventilated disc Rear: Ventilated disc	
	b. Parking brake	EPB, Centre console	
	c. Parking Sensors (front & rear)	To be provided	
	d. Emergency brake (if available)	To be mentioned	
	<u>Wheel & Tyre:</u>		
31.	a. Tyre size (front, rear & spare)	265/55R22 Premium Metallic Coating	
	b. Tyre Brand	Bridgestone/Yokohama/Continental/Michelin/Pirelli	
	c. Manufacturing country	UK/USA/Japan/Canada/ EU Countries	
	d. Tyre Pattern	Lexus standard	
	e. Wheel size	8J	
	f. Wheel Pattern	Aluminum alloy wheel for all wheel	
	g. 01 x spare wheel complete with fitting attached under the body with lock and key	To be provided	
	h. Tyre pressure monitoring system (TPMS)	To be provided	



Ser	Description	Specification Specified	To be filled up by the Principal/ Manufacturer
	<u>Electrical system:</u>		
	a. Battery (Volt & AH)	12 Volt & AH to be mentioned	
	b. No of Battery	Single battery	
	c. Alternator (Volt, Amp)	12 Volt, 1800 watts (150 Amp)	
	d. Starter (KW)	2.0 KW	
	e. <u>Lights:</u>		
32.	(1) 02 x Full LED 3-eye Projector Headlamps (Dual barrel LED projector), 04 x LED turn indicator (ORVM) (front & rear), 02 x Stop/brake Lights, 02 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	To be mentioned	
	(2) 02 x LED Projector Fog lamps at front for driving during foggy weather	To be mentioned	
	(3) L-shaped DRL (Daytime Running Lamp)	To be mentioned	
	(4) LED Sequential turn indicator	To be mentioned	
	(5) Roof lamp for 1 st and 2 nd row	To be mentioned	
	(6) Auto Head lamp and auto wiper	To be provided	
	(7) High mount stop lamp	To be provided	
	(8) Roof mount cabin lamp (inside cabin).	To be provided	
33.	Noise Suppressor	To be mentioned	
	<u>Wind Shield:</u>		
	a. Laminated Windshield Glass	Laminated acoustic glass with rain drop sensor to be provided	
	b. other window glasses	To be mentioned	
34.	c. Glass tint	35% black tint in all windows 50% black tint in rear windshield (not compromising driver's visibility)	
	d. Rear windshield with Defogger	To be provided	
	e. Intermittent windshield wiper 2 x front & 1 x rear	To be provided	
35.	Rear Doors	To be mentioned	
36.	Clutch Details (if available)	To be mentioned	
37.	Type of Gear Shifting Lever	To be mentioned	
	<u>Front Axle:</u>		
38.	a. Type	Full-floating	
	b. Capacity	Minimum 1620 kg	
	<u>Rear Axle:</u>		
39.	a. Type	Full-floating	
	b. Capacity	Minimum 2650 kg	
	c. Differential Lock	To be mentioned	
40.	<u>Colour:</u>	Vehicle to be painted from manufacturer's factory. (Chips for interior seat material colour and exterior body colour sample plate is to be submitted before painting for BAF selection)	



Ser	Description	Specification Specified	To be filled up by the Principal/ Manufacturer
	Accessories: Following accessories are to be provided with the vehicle:		
	a. Fire Extinguisher: 01 kg capacity A B C & E type or A, B, C type which capable of extinguishing A, B, C & E type fire with bracket and chemical to be fitted at the side of driver seat	To be provided	
	b. Seat belt for driver and other passengers	To be provided	
	c. Seat belt warning	To be provided	
	d. Inspection lamp complete with cable (10 meter), plug & arrangement of socket in the vehicle for using inspection lamp	To be provided	
	e. Floor mat front & rear complete	To be provided	
	f. 02 x Sun visors with bracket	To be provided	
	g. 01 x Inside rear-view mirror	To be provided	
	h. 02 x Chrome plated outside power door rear view mirror with folding function	To be provided	
	j. Cigarette lighter & Detachable Ashtray	To be provided	
41.	k. Digital quartz clock at dash board	To be provided	
	l. Both side door: Full size normal door with power operated windows	To be provided	
	m. Type of Seat: Original leather seat luxurious comfort quality	To be provided (seat colour is to be mentioned)	
	n. Tachometer with engine RPM meter and speedometer (MKS system) in dashboard	To be provided	
	p. Air conditioner System	Dual zone AC Vent with climate control (front & rear row separately), hot & cold air circulation and auto 4 seats independent control (dual type) system to be provided	
	q. Steering wheel cover (Leather warpped)	To be provided	
	r. Door locks: Auto door lock operated from driver seat for all door	To be provided	
	s. Driver seat: Double side front & rear height adjustable with full tilting system of backrest for driver & 2 nd seater	To be provided	
	t. Front, Rear and overhead console box	To be provided	
	u. Cup holders on consul box front & other rows for water/soft drink cups	To be provided	
	v. Cooler box	To be provided	
	w. Glove box with lamp	To be provided	



Ser	Description	Specification Specified	To be filled up by the Principal/ Manufacturer
	x. Rear spoiler	To be provided	
	y. Child protector	To be provided	
	z. Assist grip	To be provided	
	aa. Sun glass holder	To be provided	
	ab. Accessory connector (Front & Rear)	To be provided	
	ac. Seating arrangement	Front facing to be provided	
	ad. Axle breather and gear breather & wiring distributor box to be raised higher than that of the fording depth	To be provided	
	ae. Wiring harness parts which will be in contact with water to be wrapped by special adhesive and covered by flexible pipe	To be provided	
	af. 40 liters sub fuel tank/spare fuel jerrican (fitted on the rear door with fitting attachment) if available	To be provided	
	ag. Towing Hook facility	To be provided	
	ah. Front foot lamps & lighting for side step (both side)	To be provided	
	aj. Cargo room accessory socket	To be provided	
	ak. Multimode/ABS with EBD or equivalent	To be provided	
	al. ASTC (Active stability traction control system) or equivalent	To be provided	
	am. Coat hook	To be provided	
	an. Pintle hook at rear	To be provided	
	ap. Rear door opening system	To be provided	
	aq. Front & Rear grill guard/bull bar	To be provided	
	ar. 360° Camera with front & rear Camera recorder	To be provided	
	as. Fold Type Arm Rest in 2 nd row with cup holder	To be provided	
	at. Hill Hold control + Hill Descent Control	To be provided	
	au. Driver Drowsiness Detection (DDD)	To be provided	
	av. Sufficient number of Airbags to ensure driver and both front and rear passenger's safety (SRS)	To be provided	
	aw. SD Card Qty-01 with each vehicle	To be provided	
	ax. Wireless door lock	To be provided	
	ay. Sun & Moon roof	To be provided	
	az. Multi information display	To be provided	
	aaa. BA + VSC + ARTC + CRAWL control or equivalent	To be provided	
	aab. USB and Bluetooth Connectivity with USB charging C port (2nd row)	To be provided	
	aac. Android Auto ™ + Apple CarPlay Compatibility	To be provided	
	aad. Touchscreen Infotainment	To be provided	



Ser	Description	Specification Specified	To be filled up by the Principal/ Manufacturer
	aae. Infotainment display for both rear passenger seats	To be provided	
	aaf. Wireless charging for rear passenger seat	To be provided	
	aag. Mark Levinson 25-Speaker 3D Surround Sound System, featuring dual microphones with integrated speakers and advanced noise-cancellation.	To be provided	
	aah. Back Camera with monitor to avoid collision while reversing	To be provided	
	aaj. Laser Sensor with provision of audio warning while reversing	To be provided	
	aak. Collision avoidance control system	To be provided	
	aal. ISOFIX/i-SIZE Compatibility	To be provided	
	aam. Push Button Start	To be provided	
	aan. 4XPLOR - Intelligent 4x4 System with selectable Terrain Modes (Normal, Snow, Mud & Ruts, Sand)	To be provided	
	aap. A Pillar Grab Handle (both sides)	To be provided	
	aaq. Skid plates	To be provided	
	aar. 8-way Driver power seat	To be provided	
	aas. Multi terrain display	To be provided	
	aat. Seat Heater for rear passenger seats	To be provided	
	aau. Anti-theft provision	To be provided	
	aav. Any other accessories (if available)	To be mentioned	
42.	<u>Additional Luxury Accessories:</u>		
	a. The rear seats will be Ultra luxury-exclusive curved headrests, seatbacks and cushions that gently wrap around the head, hips and lower body	To be provided	
	b. Sunshades on the side and quarter windows, reading lights and a rear seat display are to be standard	To be provided	
	c. Ultra-Luxury exclusive air conditioning system with unique overhead ceiling vents for a full body comfort breeze	To be provided	
	d. Over-the-air (OTA) updates offer real-time updates for mapping and enriched media experiences. The native navigation is also available to occupants with or without a network connection	To be provided	
	e. Frontal Collision Warning (FCW), Automatic Emergency Braking (AEB), Pedestrian Detection and Bicyclist Detection	To be provided	



Ser	Description	Specification Specified	To be filled up by the Principal/ Manufacturer
	f. All-Speed Dynamic Radar Cruise Control (DRCC)	To be provided	
	g. Lane Departure Alert with Steering Assist (LDA w/SA)	To be provided	
	h. Lane Tracing Assist (LTA)	To be provided	
	j. Intelligent High Beams, which Automatically toggles between high and low beams	To be provided	
	k. Road Sign Assist (RSA)	To be provided	
	l. A deep three-dimensional effect by high-gloss paint to the tires and wheels which is appropriate to the Lexus size	To be provided	
	m. Human Machine Interface (HMI)	To be provided	
	n. <u>Active Height Control (AHC)</u> <u>Suspension:</u> Allows adjustment of ride height for optimal comfort and stability across different road conditions, including off-road	To be provided	
	p. <u>Multi-Terrain Select:</u> various modes (Auto, Dirt, Sand, Mud, Deep Snow, Rock) to optimize performance for diverse terrains	To be provided	
	q. Proactive Driving Assist for gentle braking and/or steering to help control distance	To be provided	
	r. Blind Spot Monitor with Rear Cross-Traffic Alert	To be provided	
	s. <u>Parking Support Brake:</u> Automatically brakes to avoid collisions with static objects or approaching vehicles during parking.	To be provided	
43.	Tools set: Following tools set are to be provided with the vehicle:		
	a. 01 x std Jack (hydraulic type) with handle	To be provided	
	b. 01 x wheel wrench with handle.	To be provided	
	c. 01 x adjustable wrench	To be provided	
	d. 01 x Pliers	To be provided	
	e. 01 set x screw driver (+/-) with handle	To be provided	
	f. 02 Nos double ended spanner.	To be provided	
	g. Grease gun with replaceable tip	To be provided	
	h. Tyre pressure gauge	To be provided	
	j. 01 x tool bag/box for above tools.	To be provided	
44.	Fast- and slow-moving spares	Quote separately for each item	
45.	Special Service Tools (SST)	If required, quote separately for each item	
46.	Special Service Materials (SSM)	If required, quote separately for each item	
47.	Analyzer Measuring & Testing/Fault Finding & Diagnostic Set for Engine (01 set)	Quote separately	



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48.	Publication/Manuals: Following publication/technical manuals are to be provided free of cost with the vehicle.		
	a. Drivers / Owner's manual in English complete set book type quantity-01.	To be provided	
	b. Updated Maintenance/ Repair/ Workshop manual for engine, chassis, body, electrical system & all other in-built accessories in English complete book type quantity -01	To be provided	
49.	c. Complete updated master spare parts catalogue for engine, chassis, body, electrical system & all other accessories in English complete book type quantity -01	To be provided	
50.	Petrol Oil Lubricant (POL) information: The following information must be submitted with the offer:		
	a. Details maintenance schedule of vehicle and engine	To be mentioned	
	b. Grade of fuel used in vehicle (High speed petrol) should be compatible with available fuel used in Bangladesh	To be mentioned	
	c. Type of engine oil used in vehicle, engine oil confirming to API C14 Plus, (SAE 15W-40) or higher-grade engine oil	To be mentioned	
51.	d. Type of gear & differential oil used in vehicle	To be mentioned	
50.	Production date	To be manufactured not before the year of contract production date must be mentioned of the vehicle identification (ID) plate by the Manufacturer/assembler or certificate of production from the manufacturer must be provided.	
51.	Any other specification (if any)	To be mentioned	

