

## TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

Sl No.	Description of items	Quantity
<b>File No. PUR/84/HCRCG/PK/E/2024-25</b>		
<b>1</b>	<b>SUPPLY OF DEVELOPER KIT FOR EDGE COMPUTATION. (DETAILED SPECIFICATIONS AS PER ANNEXURE – I)</b>	<b>02 Nos.</b>

### 1. DELIVERY, INSTALLATION & COMMISSIONING:

The delivery is to be completed within 30/09/2024.

### 2. PAYMENT TERMS:

100% payment shall be paid within 30 days after delivery of DEVELOPER KIT FOR EDGE COMPUTATION and acceptance of the material upon submission of claim supported by the acceptance certificate issued by the purchaser.

### 3. BID SECURING DECLARATION FORM:

Bid Securing Declaration is to be submitted by the Bidder as per the format prescribed in the tender document.

### 4. MANUFACTURER AUTHORISATION FORM:

Manufacturer Authorisation Form will be provided by the supplier.

**Developer Kit for edge computation****Specifications:**

Sl. No.	Parameters	
1.	AI Performance	275 TOPS
2.	GPU	2048-core NVIDIA Ampere architecture GPU with 64 Tensor Cores
3.	GPU Max Frequency	1.3 GHz
4.	CPU	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
5.	CPU Max Frequency	2.2 GHz
6.	DL Accelerator	2x NVDLA v2
7.	DLA Max Frequency	1.6GHz
8.	Vision Accelerator	1x PVA v2
9.	Memory	64GB 256-bit LPDDR5 204.8GB/s
10.	Storage	64GB eMMC 5.1
11.	Video Encode	2x 4K60 (H.265) 4x 4K30 (H.265) 8x 1080p60 (H.265) 16x 1080p30 (H.265)
12.	Video Decode	1x 8K30 (H.265) 3x 4K60 (H.265) 7x 4K30 (H.265) 11x 1080p60 (H.265) 22x 1080p30 (H.265)
13.	CSI Camera	16 lanes MIPI CSI-2
14.	PCIe	x16 PCIe slot supporting x8 PCIe Gen4 M.2 Key M slot with x4 PCIe Gen4 M.2 Key E slot with x1 PCIe Gen4
15.	USB	USB Type-C connector: 2x USB 3.2 Gen2 USB Type-A connector: 2x USB 3.2 Gen2, 2x USB 3.2 Gen1 USB Micro-B connector: USB 2.0
16.	Networking	RJ45 upto 10GbE
17.	Display	1x DP 1.4a (+MST)
18.	Other I/O	40-pin header (UART, SPI, I2S, I2C, CAN, PWM, DMIC, GPIO)
19.	Power	15W - 60W

20.	Dimension	Maximum 110mm x 110mm x 75mm (Height includes feet, carrier board, module, and thermal solution)
21.	Others	With Compatible Adapter