



NESPAK- REQUIRES DRONE FOR H &TE DIVISION OFFICE LAHORE

E-Bids are invited from active NTN, GST Registered Firms for the procurement of the following items:

Sr. #	ITEM DESCRIPTION	SPECIFICATIONS	QTY
01	Drone	<p>Dimensions: Folded (with propellers):257.6x124.8x106.6mm (LxWxH) Dimensions: Folded (without propellers):257.6x124.8x103.4mm (LxWxH) Unfolded (without propellers):328.7x390.5x135.2mm(LxWxH)</p> <p>Max Ascent speed:10m/s (sport mode) 6m/s (Normal Mode) 6m/s (Cine Mode)</p> <p>Max Descent Speed: 10m/s (sport mode) 6m/s (sport mode) 6m/s (Cine Mode)</p> <p>Horizontal speed: At sea level, in windless condtions: 25m/s*(sport mode) 15m/s(tracking status) At sea level, with 2m/s tailwind, while flying in the same direction as the wind: 27m/s*(sport mode) 15m/s (tracking status)</p> <p>*Measured in a wind tunnel test environment with the aircraft taking off from an altitude of 0m and ascending vertically by 1.5m in sport mode. Data is for reference only. Always pay attention to reminders on the camera view during your flight.</p> <p>Max Takeoff Altitude: 6000m Max takeoff altitude is 3000 m with DJI Mavic 4 pro propeller Guards.</p> <p>Max Flight Time: 51 minutes Measured by the aircraft flying forward at constant speed of 32.4kph in a windless environment at sea level, with Obstacle, Avoidance Action set to Break, in photo mode, and from 100% battery level until 0% Actual experience may vary depending on the environment, usage, & firmware version.</p> <p>Max Hovering Time: 45 minutes Measured by the aircraft hovering in windless environment at sea level, with obstacle avoidance action set to brake, in photo mode, and from 100% battery level until 0%. Actual experience may vary depending on the environment, usage, & firmware version.</p> <p>Max Flight Distance: 41 km Measured by the aircraft flying forward at a constant speed of 54kph in a windless environment at sea level, with obstacle avoidance action set to brake, in photo mode, and from 100% battery level until 10%. Actual experience may vary depending on the environment, usage, & firmware version.</p> <p>Max Wind Speed Resistance: 12m/s(39.4ft/s) Max pitch Angle: 35⁰</p>	01

Operating Temperature: -10 oC to 40 oC (140 F to 104 oF)

Global Navigation Satellite System: GPS+Galileo+BeiDou

Hovering Accuracy Range: Vertical:

±0.1m(with vision positioning)

±0.5m(with satellite positioning)

Horizontal:

±0.3m(with vision positioning)

±0.5m(with satellite positioning)

Camera: Mavic 4Pro:64GB(available storage is approximately 42GB)
Mavic 4Pro 512GB(Creator Combo):512GB (available storage space is approximately 460GB) C2(EU)

Image Sensor: Hasselblad Camer:4/3 CMOS, Effective Pixels: 100MP

Medium Tele Camera:1/1.3-inch CMOS, Effective Pixels:48Mp

Tele Camera:1/1.5-inch CMOS, Effective Pixels:50MP

Lens: Hasselblad Camera

FOV:72°

Format Equivalent:28mm

Aperture's/2.0 to f/11

Focus:2 m to ∞

Medium Tele Camera:

FOV:35°

Format Equivalent:70mm

Aperture: f/2.8

Focus:3 m to ∞

Tele Camera:

FOV:15°

Format Equivalent:168mm

Aperture: f/2.8

Focus:3 m to ∞

ISO Range:

Hasselblad Camera:

Video Normal:

100-12800(Normal)

400-6400(D-Log)

100-6400(D-log M)

100-6400(HLG)

Slow Motion:

100-6400(Normal)

400-3200(D-Log)

100-3200(D-Log M)

100-3200(HLG)

Photo:

100-6400(25 MP)

100-3200(100 MP)

Medium Tele Camera & Tele Camera:

Video Normal:

100-12800(Normal)

400-3200(D-Log)

100-3200(D-Log M)

100-3200(HLG)

Slow Motion:

100-6400(Normal)

400-3200(D-Log)

100-3200(D-Log M)

100-3200(HLG)

Photo:

100-6400(12 MP)

100-3200(48 MP and 50 MP)

Shutter Speed:**Hasselblad Camera:**

25MP single shot:1/16000-16s(over 2s for simulated long exposure

100MP single shot:1/18000-8s.

25 MP Auto Exposure Bracketing (AEB)/Burst

Shooting/Time:1/16000-8s.

100MP auto exposure Bracketing (AEB) Burst

shooting/Time:1/18000-8s.

Medium Tele Camera:

12 MP Single shot:1/16000-8s(over 2 s for simulated long exposure.

48MP single shot:1/8000-2s

12 MP Auto Exposure Bracketing(AEB)/Burst

shooting/Timed:1/16000-2s

48 MP auto exposure bracketing (AEB)/Burst

Shooting/Timed:1/16000-2s

Tele Camera:

12.5 MP single shot:1/16000-8s(over 1 s for simulated long exposure) 50 MP single shot:1/16000-2s.

12.5 MP auto exposure Bracketing (AEB)/Burst shooting/Timed: 1-16000-2s.

50 MP auto exposure bracketing(AEB)/Burst shooting/timed:1/16000-2s.

Max Image Size:

Hasselblad Camera:12288x8192.

Medium tele camera:8064x6048.

Tele camera:8192x6144.

Still Photography Modes:**Hasselblad Camera:**

Single Shot:25MP,100MP.

Automatic Exposure Bracketing(AEB):25MP,

3/5/7 frames at 0.7EV step; 100MP,3/5 frames at 0.7EV step.

Burst shooting:25MP, 3/5/7 frames;100MP,3/5 frames.

Time:25MP,1(Mavic 4Pro 512GB)/2/3/5/7/10/15/20/30/60 seconds:

10MP,2(Mavic 4Pro 512GB)/3(Mavic 4 Pro 512GB)/5

(Mavic 4Pro 512GB)/7(Mavic 4Pro 512GB)/10/15/20/30/60 seconds

Medium Tele Camera:

Single shot:12MP,48MP

Automatic Exposure Bracketing(AEB):12MP,3/5/7 frames at 0.7EV step

Burst Shooting:12MP,3/5/7 frames;48MP,3/5/7 frames.

Timed:12MP,1(Mavic 4Pro 512GB)/2/3/5/7/10/15/20/30/60 seconds;

48MP,1(Mavic 4Pro 512GB)/2(Mavic 4Pro 512GB)/3(Mavic 4Pro

512GB)/5/7/10/15/20/30/60 seconds

Tele Camera:

Single shot: 12.5MP, 50MP

Auto Exposure Bracketing(AEB):12.5mp,3/5/7 frames at 0.7 EV step;
50MP, 3/5/7 frames at 0.7 EV step

Burst Shooting: 12.5MP, 3/5/7 frames;50MP,3/5/7 frames

Timed:12.5MP,1(Mavic 4Pro 512GB)/2/3/5/7/10/15/20/30/60 seconds;
50MP,1(Mavic 4Pro 512GB)/2(Mavic 4Pro 512GB)/3(Mavic 4Pro 512gb
/3(Mavic 4Pro 512GB)/5/7/10/15/20/30/60 seconds.

Photo Format:

JPEG DNG(RAW)

Video Resolution:

Hasselblad Camera

H.264 ALL-I/H.265 Standard*

6K:6016x3384@24/25/30/48/50/60fps

DCI 4K:4096x2160@24/25/30/48/50/60/120**fps

4K:3840x2160@24/25/30/48/50/60/120**fps

FDH:1920X1080@24/25/30/48/50/60fps

4K Vertical Shooting:2160x3840@24/25/30/48/50/60fps

H.264 Standard

FHD:1920x1080@24/25/30/48/50/60fps

Medium Tele Camera

H.264 ALL-I/H.265 Standard*

4K:3840x2160@24/25/30/48/50/60/120**fps

FHD:1920x1080@24/25/30/48/50/60fps

2.7K Vertical Shooting:1512x2688@24/25/30/48/50/60fps

H.264 Standard

FHD:1920x1080@24/25/30/48/50/60fps

2.7K Vertical Shooting:1512x2688@24/25/30/48/50/60fps

Tele Camera

H.264 ALL-I/H.265 Standard*

4K:3840x2160@24/25/30/48/50/60/100**fps

FHD:1920x1080@24/25/30/48/50/60fps

2.7K Vertical Shooting:1512x2688@24/25/30/48/50/60fps

H.264 Standard

FHD:1920x1080@24/25/30/48/50/60fps

2.7K Vertical Shooting:1512x2688@24/25/30/48/50/60fps

Video Format:

MP4(H.264 ALL-I/H.264 Standard/H.265 Standard)

H.264 Standard Bitrate:90Mbps

H.265 Standard Bitrate:180Mbps

H.264 All-I Bitrate:1200Mbps

Note: Only Mavic 4Pro 512GB (Creator Combo) Supports H.264 ALL-I recording.

Supported File Systems:

exFAT

Color Mode & Sampling Method:

Hasselblad Camera

Normal Color:

- 10-bit 4:2:2 (H.264 ALL-I)
 - 10-bit 4:2:0 (H.265 Standard)
 - 8-bit 4:2:0 (H.264 Standard)
- HLG/D-Log M/D-Log:
- 10-bit 4:2:2 (H.264 ALL-I)
 - 10-bit 4:2:0 (H.265 Standard)

Medium Tele Camera

Normal Color:

- 10-bit 4:2:2 (H.264 ALL-I)
 - 10-bit 4:2:0 (H.265 Standard)
 - 8-bit 4:2:0 (H.264 Standard)
- HLG/D-Log M/D-Log:
- 10-bit 4:2:2 (H.264 ALL-I)
 - 10-bit 4:2:0 (H.265 Standard)

Tele Camera

Normal Color:

- 10-bit 4:2:2 (H.264 ALL-I)
 - 10-bit 4:2:0 (H.265 Standard)
 - 8-bit 4:2:0 (H.264 Standard)
- HLG/D-Log M/D-Log:
- 10-bit 4:2:2 (H.264 ALL-I)
 - 10-bit 4:2:0 (H.265 Standard)

Note: Only Mavic 4Pro 512GB (Creator Combo) Supports H.264 ALL-I recording.

Digital Zoom:

- Hasselblad Camera:1xto2.5x
- Medium Tele Camera:2.5x to 6x
- Tele Camera:6x to 24x

TERMS & CONDITIONS:

1. E-bids can be submitted on or before **February 18, 2026** up to **11:00 am** along with **Rs.50,000/- (Rupees fifty thousand only)** earnest money in form of pay order/CDR/bank draft in the name of National Engineering Services Pakistan (Pvt.) Limited. E-Bids will be opened on the same day at **11:30 am** in front of bidders or their representative. Pay order of supplier approved by the committee will be retained until completion of supply order. In case of non-compliance of the purchase order, earnest money will be forfeit and purchase order will be treated as cancelled.
2. E-Bids received without earnest money and after due date and time shall not be entertained.
3. The competent authority reserves the right to reject any or all the bids in accordance with Rule 33 of Public Procurement Rule 2004.
4. Bids provided of each item shall be marked with the price inclusive of all taxes. The purchase order shall be issued independently to the lowest bidder of each item.
5. Supply of said items shall be made within two weeks of issuance of purchase order by NESPAK.
6. NESPAK reserves the right to increase/decrease quantity of each item and this bid is valid for 6 months.
7. Repeat order may be placed within 6 months of bid opening date.
8. In case a better /higher model is available in the market in this period at same price the supplier may supply it.
9. No advance payment given by NESPAK. Payment will be released within four weeks after submitting of invoice with Annex. C as per purchase order.
10. Sales Tax, Income Tax and other Taxes shall be deducted as per Government rules.
11. This tender is also available at **NESPAK** www.nespak.com.pk and **PPRA** www.ppra.org.pk website.
12. Interested suppliers must attach GST & NTN certificates (Copies) along with bid; otherwise, bid will not be entertained.

**Office Manager H &TE Division
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