

1200-1500 HP ENGINE FOR TK T-90 S/SK

1. **Name of Project.** 1200-1500 HP Engine for tank T-90 S/SK.
2. **Brief.** The proposed engine for T-90 S/SK tanks will have a variable power output of 1200-1500 HP to cater for high battle fd agility mandated with system/ platform level upgrades planned for the T-90S, include its future variants. The system will comprise of a base engine module of 1200 HP with a capability to add-on additional engine modules include associated accessories/peripherals so as to up-rate it to 1500 HP based on op requirements.

3. **QRs.**

<u>Ser No</u>	<u>Parameter</u>	<u>Capability</u>
(a)	BHP	1200-1500 HP
(b)	Fuel	Multi fuel
(c)	<u>Cross Country Performance.</u>	
	(i) Max Gradient	30°
	(ii) Max Tilt angle	25°
(d)	Torque (Max)	>400 Kg f/mtr at 1200 rpm
(e)	Compression ratio	>15:1
(f)	Fuel consumption	≤170 gms/HP/hrs
(g)	Engine Weight	≤1500 Kgs
(h)	Power to weight ratio	≥ 28 HP/Ton

4. **Timelines.** Tentative time lines for indn 2021-22.
5. **Cost.** Rough Indicative Cost - Rs 5 Crores approximate.
6. **Qty.** Tentative qty to be procured after successful prototype developed - 2,011.
7. **Categorisation.** The recommended categorisation – Make -I.

