

**TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS**

SI No.	Description of items	Quantity
PUR/07/R&A/CK/E/2021-22		
01.	SUPPLY OF STRUCTURAL ITEM SUCH AS TITANIUM ALLOY, ALUMINIUM ALLOY, STAINLESS STEEL ETC. (Details as per Attached Annexure – I)	01 LOT

**1. INSTALLATION/COMMISSIONING**

1.1. NOT APPLICABLE

**2. WARRANTY**

2.1. Not required

**NOTE:** The lowest quoting responsive bidder (L-1 bidder) shall be determined on Overall Lowest Price Basis. The item wise price break up shall also be entered in a separate PDF document. Bidder must ensure that the value entered by him in the BOQ sheet must match with the total price given by him in the PDF Sheet, failing which the offer shall be rejected.

## Annexure-I

Sl. No.	Item	Specification	Quantity
1	Titanium Alloy Ti6Al4V, Grade -5		
i.	Rectangular Block	Size: 150 mm X 100mm X 65 mm	12
ii.	Rectangular Block	Size: 1000 mm X 80 mm X 16 mm	01
iii.	Round Bar	Size: Dia. 25 mm X Length - 1000 mm	01
2	Aluminium Alloy 6061-T6		
i.	Rectangular Block	500mm X 500mm X 55mm	06
ii.	Rectangular Block	500mm X 500mm X 35mm	03
iii.	Rectangular Block	1000mm X 350mm X 12mm	01
iv.	Rectangular Block	300mm X 300mm X 250mm	01
v.	Rectangular Block	520mm X 160mm X 100mm	02
vi.	Rectangular Block	520mm X 520mm X 80mm	02
vii.	Round Bar	Dia. 100 mm, Length-500mm	06
viii.	Round Bar	Dia. 60 mm, Length-1000mm	03
ix.	Round Bar	Dia. 50 mm, Length-1000mm	01
x.	Round Bar	Dia. 40 mm, Length-1000mm	02
xi.	Round Bar	Dia. 20 mm, Length-500mm	01
xii.	Round Bar	Dia. 70 mm, Length-1000mm	01
xiii.	Round Bar	Dia. 80 mm, Length-1000mm	01
xiv.	Round Bar	Dia. 90 mm, Length-1000mm	03
xv.	Round Bar	Dia. 150 mm, Length-1000mm	01
xvi.	Hollow Pipe	OD-25mm, ID-16mm, Length - 1000mm	03
xvii.	Hollow Pipe	OD-140mm, ID-70mm, Length - 500mm	01
xviii.	Hollow Pipe	OD-141.3mm, ID-122.24mm, Length-1000mm	01
xix.	Hollow Pipe	OD-150mm, ID-136mm, Length-1000mm	01
xx.	Hollow Pipe	OD-125mm, ID-111mm, Length-1000mm	01
xxi.	Sheet	1000mmX1000mmX3mm	02
3	Aluminium Grade AL 5052 / 5083		
i.	Sheet	8 feet X 4 feet, thickness -6 mm	01
ii.	Sheet	6 feet X 4 feet, thickness -8 mm	01
iii.	Sheet	8 feet X 4 feet, thickness -10 mm	01
iv.	Sheet	8 feet X 4 feet, thickness -12 mm	01
v.	Sheet	1000 mm X 1000 mm X 16 mm	01
4	Stainless Steel AISI 304/316L		
i.	Round Bar	Dia. 80mm, Length-500mm	06
ii.	Round Bar	Dia. 50mm, Length-500mm	01
iii.	Round Bar	Dia. 25mm, Length-500mm	01
iv.	Round Bar	Dia. 16mm, Length-1000mm	06
v.	Round Bar	Dia. 10mm, Length-2500mm	01
vi.	Round Bar	Dia. 08mm, Length-2500mm	01
vii.	Round Bar	Dia. 06mm, Length-1000mm	05
viii.	Round Bar	Dia. 05mm, Length-1000mm	05
ix.	Round Bar	Dia. 20mm, Length-1500mm	01
x.	Round Bar	Dia. 30mm, Length-1500mm	01

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xi.	Round Bar	Dia. 35mm, Length-500mm	01
xii.	Round Bar	Dia. 40mm, Length-600mm	01
xiii.	Sheet	500mm X 500 mm X 2mm	01
xiv.	Sheet	500mm X 500 mm X 1.5mm	01
xv.	Sheet	500mm X 500 mm X 5mm	02
5	Stainless Steel 17-7 PH ( To be supplied without heat treatment)		
i.	Round Bar	Dia. 30 mm, Length – 1000 mm	02
6	Low Viscosity Acetal Co-polymer (Delrin)		
i.	Round Bar	Dia. 40mm, Length – 1000 mm	01
7	Alloy Steel EN 24T		
i.	Round Bar	Dia. 80mm, Length – 500mm	01
ii.	Round Bar	Dia. 50mm, Length – 1000mm	01
iii.	Round Bar	Dia. 25mm, Length – 1000mm	01
8	Brass C27200		
i.	Round Bar	Dia. 25mm, Length – 1500mm	01
ii.	Round Bar	Dia. 50mm, Length – 500mm	01
9	Naval Brass C46400		
i.	Rectangular Block	185 mm X 185 mm X 100 mm	03
10	Mild Steel (MS) EN8		
i.	Square Bar	55mm X 55 mm X 1000 mm	01
11	Aluminium AL 5052		
i.	Equal Leg Angle	1.25inch X 1.25 inch X 0.1875 inch , Length-2000 mm	01
ii.	Equal Leg Angle	20mmX 20mm X 3mm, Length – 1500 mm	05

Mill Test Certificate (MTC) and Composition report should be provided along with the metals.

*Srinu Reddy*