

Subject: QUOTATION FOR SUPPLY OF "SS 304L ROUND BAR".

We intend to purchase goods as per attached Annexure-I. Kindly send us your best offer in accordance with the following General Conditions as stated below:

**General Conditions:**

- (a) Submission of Quotation
- Provide quotation which may be sent immediately through Fax or E-mail and Original Proforma Invoice detailed technical brochures / literature must reach us by mail before the last date mentioned below along with following details:
- Beneficiary Bank Details
  - Port/country of shipment
  - Lead Time
- (b) Last Date of Quotation    **16-11-2020**
- (c) Validity    At least 40 days
- (d) Price Basis    C&F Karachi By Sea Value (Firm & Fixed)
- (e) Payment Mode
- We accept payment through L/C with condition that all domestic bank charges will be borne by us while all bank charges outside Pakistan including all L/C conformation (if desired by the supplier) charges will be borne by the beneficiary.
  - We do not prefer advance payment, only in exceptional cases we accept pre-payment against unconditional & irrevocable Bank Guarantee issued by First Class bank in Pakistan.

**STAINLESS STEEL 304L ROUND BARS B.O.Q / TERMS & CONDITIONS****MATERIAL STANDARDS**

ASTM ..... A 479 Type 304L

**GENERAL**

- i) The Stainless Steel 304L Round Bars shall be provided in Hot Rolled, Annealed and Pickled condition.
- ii) The Stainless Steel 304L Round Bars shall conform to the general requirement of ASTM A 484/A 484M - 12.

**BILL OF QUANTITIES**

Sr. #	Diameter of Rods (mm)	Quantity	
		No. of Rods (6m/length)	Weight (kg)
1.1	20	(05 Nos.)	75 Kg
1.2	40	(05 Nos.)	300 Kg
1.3	55	(05 Nos.)	570 Kg
1.4	70	(04 Nos.)	730Kg
1.5	90	(04 Nos.)	1200 Kg
1.6	120	(04 Nos.)	2150 Kg
1.7	235	(01 Nos.)	2055 Kg
1.8	300	(01 Nos.)	3350 Kg

**TERMS & CONDITIONS OF SUPPLY****CHEMICAL COMPOSITION & MECHANICAL PROPERTIES**

The stainless Steel 304L Round Bar shall conform to the requirements of chemical composition & mechanical properties as follow:

**i) Chemical Composition:**

Stainless Steel 304L Round Bars		
Sr.#	Element	Composition %
1	Carbon (C)	≤0.03
2	Chromium (Cr)	18.0-20.0
3	Iron (Fe)	51.635-54.485
4	Manganese (Mn)	≤2.0
5	Phosphorus (P)	0.045
6	Nickel (Ni)	8.0-12.0
7	Sulfur (S)	≤0.030
8	Silicon (Si)	≤1.0

**ii) Mechanical Properties:**

Sr. #	Type	Condition	Tensile Strength Ultimate (MPa)	Yield Strength (MPa)	Elongation at Break (%)	Hardness Brinell	Density (kg/m <sup>3</sup> )
1.	Stainless Steel 304L Round Bars	Annealed	≥ 485	≥ 170	≥ 30	—	7900

### **TOLERANCES**

The permissible tolerance in size of Round Bars is as specified in table 3 of ASTM A 484/ A 484M-12.

### **MILL TEST CERTIFICATE**

Mill Test Certificate shall be provided in accordance with EN 10204:2004 Type 3.1

### **INTERGRANULAR CORROSION TEST**

Intergranular Corrosion Test must be carried out for each batch in accordance with Practice C of ASTM A262-02a and provide along with Mill Test Certificate.

### **INSPECTION**

- Inspection of material by the purchaser's representative at the production site shall be foreseen as part of the purchase order.
- The manufacture shall afford the purchaser's inspector all reasonable facilities necessary to satisfy the inspector that the material being furnished is in accordance with the specifications.

### **PACKING & MARKING:**

The packing and marking of each piece shall be in accordance with ASTM Practice A700 and marked with:

- Type of Stainless Steel, Identification no. and Heat no.
- Name / mark of manufacture.