

## Technical Specifications & Scope of Supply

### 1.0 Bidder Shall Confirm Technical Specifications For The Mechanical Gland Packing & Graf seal as Mentioned Below:

- 1.1 Technical Specification for Material, Cross-Section, & Type: Bidder shall confirm the Technical Specification as per enclosed SOR /BOQ.
- 1.2 Inspection & Testing: Bidder shall confirm submission of MANUFACTURER'S MATERIAL TEST CERTIFICATE, QUALITY TEST CERTIFICATE, and DIMENSION TEST CERTIFICATE along with Supply.
- 1.3 Packaging of all type of Gland packing shall be as per best engineering practice.

### Bill of Quantities (BOQ)

Sl. No.	Material Code	Spare Item Description	UOM	Quantity Required
1	5303100103	MECHANICAL GLAND PACKING , PTFE BRAIDED ,NON-METALLIC, SIZE : 10 MM X 10 MM SQ CROSS SECTION,TEMP TO WITHSTAND: 290 Deg C, MAKE - CHAMPION STYLE NO. 3 or REX RI-9 or EQUIVALENT.	KG	10
2	5303100233	MECHANICAL GLAND PACKING , PTFE BRAIDED ,NON-METALLIC, SIZE : 20 MM X 20 MM SQ CROSS SECTION,TEMP TO WITHSTAND: 290 Deg C, MAKE-CHAMPION STYLE NO. 3 or REX RI-9 or EQUIVALENT.	KG	5
3	5302010133	MECHANICAL GLAND PACKING , WHITE DRY ASBESTOS PLAITED PACKING ,NON-METALLIC, SIZE: 12.5 MM X 12.5 MM SQ CROSS SECTION ,TEMP TO WITHSTAND: 350 Deg C, MAKE-CHAMPION STYLE : 1000 or REX RI-117 or EQUIVALENT. Conforming to IS specification 4687 Grade I and DGS & D.	KG	15
4	5302010163	MECHANICAL GLAND PACKING , WHITE DRY ASBESTOS PLAITED PACKING ,NON-METALLIC, SIZE-16 MM X 16 MM SQ CROSS SECTION ,TEMP TO WITHSTAND: 350 Deg C, MAKE-CHAMPION STYLE : 1000 or REX RI-117 or EQUIVALENT. Conforming to IS specification 4687 Grade I and DGS & D.	KG	10
5	5302010193	MECHANICAL GLAND PACKING , WHITE DRY ASBESTOS PLAITED PACKING ,NON-METALLIC, SIZE-19 MM X 19 MM SQ CROSS SECTION ,TEMP TO WITHSTAND:350 Deg C, MAKE-CHAMPION STYLE : 1000 or REX RI-117 or EQUIVALENT. Conforming to IS specification 4687 Grade I and DGS & D.	KG	40

Sl. No.	Material Code	Spare Item Description	UOM	Quantity Required
6	5301040153	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 1.5 MM X 1.5 MM SQ CROSS SECTION, TEMP TO WITHSTAND: 325 Deg C, MAKE - CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	3
7	5301040303	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 3 MM X 3 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	4
8	5301040503	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 5 MM X 5 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	4
9	5308200343	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 6 MM X 6 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	10
10	5301041103	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 8 MM X 8 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	10
11	5301041153	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 10 MM X 10 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	3
12	5301041173	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 12 MM X 12 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	20
13	5301041253	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 12.5 MM X 12.5 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	20
14	5301041903	MECHANICAL GLAND PACKING , SELF LUBRICATED & GRAPHITED PLAITED ASBESTOS PACKING, NON-METALLIC, ,SIZE : 19 MM X 19 MM SQ CROSS SECTION, TEMP TO WITHSTAND-325 Deg C, MAKE-CHAMPION STYLE : 1100 or REX RI-126 or EQUIVALENT. Conforming to IS Specn. 4687 Grade II and DGS & D Specifications.	KG	60
15	5308200083	MECHANICAL GLAND PACKING , DIAGONALLY BRAIDED FROM PURE EXPANDED FLEXIBLE GRAPHITE REINFORCED AT THE CORNER & THROUGHOUT WITH HIGH QUALITY PURE CARBON FIBRES, SIZE : 8 MM X 8 MM SQ. CROSS-SECTION , TEMP TO WITHSTAND: 240 TO 600 DEG C , PH RANGE: 0-14, DENSITY: 1.1 G/M3, MAKE - TEADIT Style 2202 or EQUIVALENT.	KG	1

Sl. No.	Material Code	Spare Item Description	UOM	Quantity Required
16	5308030083	PREMIUM EXPANDED GRAPHITE FIBRE PACKING WITH HITHERM LUBRICANT & INCONNEL WIRE, TEMP TO WITHSTAND 650 deg.C ,PRESSURE 100 BAR & IN 300 BAR IN VALVES, SIZE: 8 MM X 8 MM, MAKE-INMARCO STYLE-100FXI OR REX RI-181 OR EQUIVALENT	KG	5
17	5308030053	PREMIUM EXPANDED GRAPHITE FIBRE PACKING WITH HITHERM LUBRICANT & INCONNEL WIRE ,TEMP. TO WITHSTAND 650 DEG.C ,PRESSURE 100 BAR & IN 300 BAR IN VALVES, SIZE: 05 MM X 5 MM, MAKE- INMARCO STYLE-100FXI OR REX RI-181 OR EQUIVALENT.	KG	3
18.	6492904103	GRAFSEAL ADHESIVE TAPE, CORRUGATED TAPE MANUFACTURED FROM FLEXIBLE PURE GRAPHITE FOIL; TEMP RANGE -200 deg C to 600 deg C; SIZE : 0.5MM THICKNESS X 12MM WIDTH X 10 MTRS LONG EACH ROLL	EA	30
19	6492904113	GRAFSEAL ADHESIVE TAPE, CORRUGATED TAPE MANUFACTURED FROM FLEXIBLE PURE GRAPHITE FOIL; TEMP RANGE -200 deg C to 600 deg C;, SIZE : 0.5MM THICKNESS X 6MM WIDTH X 10 MTRS LONG EACH ROLL	EA	30