

ANNEXURE –A

SCOPE OF SUPPLY

1. All raw materials required for the fabrication of items are to be procured by the supplier (manufacturer).
2. All raw materials used for fabrication should be Non Chinese origin.
3. Supplier has to do Raw material testing at NABL accredited lab as per the mandatory procedures mentioned at the last part of this scope of supply.
4. Ultrasonic Test (UT) to be done in the raw material stage by NABL accredited Lab. Test shall be witnessed by SPG QA/ QAE (N) rep. Test reports should be submitted.
5. The supplier has to fabricate and supply all items with “FINISH” as per the drawings attached. “NOTE” mentioned in the drawings to be considered in fabrication.
6. For the fabrication of fasteners, Titanium GR5 material shall be used.
7. For the raw materials which are not manufactured in India, the following documents are to be submitted by the supplier.
 - a). Air way bills; b). Bill of entry; c).OEM CoC; d) manufacturer Test reports;
 - e). Invoice; f). Purchase order copy; g). Datasheets.
8. For the raw materials which are manufactured in India must have OEM CoC, purchase order, manufacturer test reports, invoice and datasheets are required.
9. All dimensions are critical. Items must be free from pit marks, cracks and/or other manufacturing defects.
10. The supplier should have previous experience in manufacturing of similar structures.
11. All Material testing charges (Lab charges) and sample costs are to be borne by the supplier (Manufacturer).
12. Welding Procedure Specifications (WPS), Procedure Qualification Record (PQR) and Welder Performance Qualification (WPQ) needs to be submitted along with supporting test reports for Test Coupon tested at NABL accredited lab. Qualified Welder shall be verified in person at the time of KELTRON inspection.
13. For Weld Filler Rod, manufacturer Test reports, Purchase Order, traceability documents, datasheets to be provided.
14. After Fabrication of items, vendor’s internal inspection report and inspection call letter shall be forwarded at least one week advance to KELTRON, for deputing person for inspection. All dimensions check reports & Material test certificates from NABL accredited lab (soft copies) are to be provided along with the inspection call letter.
15. Liquid Penetrant Test shall be done on all welded parts by NABL accredited Lab. Test shall be witnessed by SPG QA/ QAE (N) rep. Test reports should be submitted.

16. Qualification Certificate (i.e. ASNT Level –II, ISNT Level-II, etc) of the person performing NDT test to be submitted prior to performing the NDT test.
17. NABL accredited lab report should meet all Latest policies and guidelines issued by NABL.
18. All items to be inspected and accepted by KELTRON SPG QA prior to dispatch.
19. All material certificates in original including chemical and mechanical, finish reports, Die penetration test report (from NABL accredited Lab) for welded parts and Material test certificates from NABL accredited lab (wherever applicable) are to be provided along with the supply.
20. For SLNO.17, Isoper sheet (DPD 36 094 0 637), 1No each will be supplied as Free issue materials from KELTRON. These isoper sheets to be modified as per the drawing DPD 36 109 0 147. Modified Isoper sheet to be wrapped over the Transducer Housing prior to dispatch.
21. One set items are mentioned in **Annexure-B**.
22. Delivery Schedule is as follows and to be strictly followed.

LOT	QUANTITY	DELIVERY SCHEDULE
1 st Lot	1 Set	Within 3 Months from the date of PO
2 nd Lot	3 Set	Within 6 Months from the date of PO

PROCEDURE FOR RAW MATERIAL TESTING

1. The samples of all raw materials used for fabricating the mechanical items are to be inspected by KELTRON SPG QA department before conducting the material/ chemical test at NABL Lab.
2. After raw materials procurement by the supplier, before cutting the raw material samples, call letter shall be given to M/s. KELTRON for arranging raw material inspection at supplier premises.
3. MIL TC, raw materials Purchase Order and Delivery Challan of Raw Material Supplier to be submitted along with the call letter. There should be traceability in documents. Detailed Material consumption details to be provided as Report.
4. Heat Number in the MIL TC should be in Raw material also.
5. KELTRON SPG QA will seal the samples after verification.
6. Sealed samples shall contain serial number/ traceable number that must be furnished in the material test certificates.

7. The Raw material test reports from the NABL lab shall contain the Heat Number, QA traceable number /serial number provided by KELTRON and ink signed signature with seal of NABL Lab.
8. Raw material tests are to be carried out for both Mechanical and Chemical properties.
9. **LAB reports must contain standard values and observed values of the samples along with material grade confirmation.**
10. Tested material samples to be submitted back to SPG KELTRON along with the original test reports.

ANNEXURE-B

LIST OF DELIVERABLES (QUANTITY/ SET)

SL NO	DESCRIPTION	PART NO	UNIT	QTY / SET
1	TRANSDUCER HOUSING	DSA 36 094 0 028	NOS	1
2	COUPLING FLANGE	DPD 36 094 0 123	NOS	1
3	TOP COVER	DPD 36 094 0 124	NOS	1
4	SHELL (TOP ELEMENT)	DPD 36 094 0 125	NOS	1
5	SHELL (MIDDLE ELEMENT)	DPD 36 094 0 126	NOS	1
6	SHELL (BOTTOM ELEMENT)	DPD 36 094 0 127	NOS	1
7	CLAMP	DPD 36 094 0 129	NOS	6
8	BOTTOM COVER	DPD 36 094 0 130	NOS	1
9	M6 CAP WASHER, TITANIUM	DPD 36 094 0 144	NOS	75
10	HEX SOCKET HD.CAP. SCREW M10x35, Ti GR5		NOS	6
11	HEX SOCKET HD.CAP SCREW M6X20, Ti GR5		NOS	6
12	HEX NUT M6, Ti GR5		NOS	6
13	HEX LOCK NUT M6, Ti GR5		NOS	6
14	SLOTTED CHEESE HD.SCREW M4X12, Ti GR5		NOS	12
15	SLOTTED 'C' SUNK HD. SCREW M6X20, Ti GR5		NOS	75
16	LOCATING PIN	DPD 36 094 0 133	NOS	1
17	ISOPER SHEET MODIFICATION	DPD 36 109 0 147	NOS	1