	Specification		Vendor's Compliance
	Wire Material		
2.1	Base wire	: Molybdenum (purity: 99.9% or better)	
2.2	Outer plating	: Gold (Purity: 99.9% or better)	
	Wire Dimension		
2.3	Base Molybdenum Wire diameter	: 1.2 Mil and lower	
2.4	Gold Plating	: 4% to 6% by weight (of base wire)	
	Knitting Pattern & Opening Size		
3.1	Mesh Knit Pattern	: Alpha Knit or Tricot Knit	
3.2	Mesh Opening	: 10 Openings per inch in un-stretched condition	
	Mesh width & Continuous Length		
4.1	Width	: 3 m or higher (Un-stretched condition on spool)	
4.2	Continuous Length	: 25 m or higher	
	Knitted Mesh Defects Acceptability criterion		
5.1	Maximum allowable defect Hole size: 9 mm		

5.2	Defect hole per Sq- m of Mesh	: Maximum 03 (three)	
5.3	Defect log document	Log of defects shall be inspected and reported in a document for every 5m length of mesh. Photographic evidences of defects to be maintained and supplied along with shipment.	
5.4	Allowable Abrasion mark: No abrasion mark is preferred; however, in unavoidable conditions, marks should not score away gold plating		
5.5	Mesh should be free of foreign materials, viz. grease, oil, dust.		
	Quantity		
6.1	Slab-A	: 500 to 1000 Sq-m	
6.2	Slab-B	: 1001 to 1250 Sq-m	
6.3	Slab-C	: 1251 to 1500 Sq-m	
	Note: Quote for slab A, B and C separately.		
7.1	**Cleaning** The gold plated molybdenum mesh shall be cleaned using a non reactive cleaning agent so as to remove any oil/grease stains that remain on the mesh.		
7.2	**Packing**		

	The mesh shall be wound on a spool. Each layer of mesh while winding on the spool shall be separated using a layer of lint free paper. Each spool shall minimum contain 25m continuous length of mesh (75 sq-m of mesh). The spool along with roller mesh shall be packed inside a transparent polythene cover and sealed. Each roll shall be placed inside a packing box and shipped to ISITE/ISRO, Bengaluru	
	Deliverables along with shipment	
8.1	Gold plated molybdenum mesh as per ordered quantity	
8.2	Certificates of chemical composition of gold plated molybdenum wire	
8.3	Certificate for wire diameter of bare molybdenum wire	
8.4	The summary of observed mesh defects with locations in defect log documents	
MIP No	**Milestone**	
1	After procurement of all raw material	
2	Knitting of 1 Sq-m of sample mesh	
3	Pre-shipment review before shipment of each supply.	
	Schedule & Payment	

	Time Line	Description	Schedule	Payment	

				20% Advance against Bank Guarantee
	T0	Placement of Purchase Order		
	T1	Supply of 1 sq-m of sample mesh for inspection at URSC	T0 + 14 months	Pro-rata Basis as per actual supply
	T2	Clearance from URSC for bulk production	T1 + 1 month	
	T3	1st Supply (1/3 of total ordered quantity)	T2 + 3 months	
	T4	2nd Supply (1/3 of total ordered quantity)	T3 + 3 months	
	T5	3rd Supply (remaining quantity)	T4 + 3 months	
		Total	24 months	

Quotation Details

The quotation shall include the following.

1.   A machine knitted mesh sample of approximately 200mm x 200mm shall be supplied along with the quotation. Following details about the sample shall be provided

a.   Sample dimension

b.   Type of knitting pattern

c.   Size of gold molybdenum wire

	d. Mesh opening size The sample will be evaluated at URSC and will be returned back to the vendor. 2. Source of Molybdenum wire 3. Source of Gold plating of wire 4. Make and model of Warp Knitting machine used for knitting 5. Details of OEM 6. Detailed Schedule of execution starting from date of release of purchase order 7. Compliance Matrix for Sl No-2 to 10 in our specification document Quotations with mere comply and without documentary details will not be considered for further evaluation. Quotations not fulfilling the above points will be rejected. Note: 1. For a vendor to be technically qualified, the sample mesh supplied along with the quotation should meet the specifications as provided in Section-2 & Section-3 of this document. The sample will be evaluated at URSC for the above specifications. Decision of URSC will be final. 2. This is a two part tender comprising of Technical Bid and Price Bid Separately	

	3. The price shall be quoted in Indian Rupees only 4. The price shall be quoted for per square meter of mesh. 5. Purchase order will not be split among the vendors even if other vendors agree to L1 price.	