



सत्यमेव जयते

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
BHABHA ATOMIC RESEARCH CENTRE
AUTONAGAR, VISAKHAPATNAM - 530012.

Computational Analysis Division

Ref : BARCV/CAD/HPC/2018-19/MF/03

Date : 28/11/2018

Sub: Notice inviting tender for "Packing, loading, transportation, unloading and unpacking the HPC goods from BARC, Autonagar, Visakhapatnam to BARC campus, Atchutapuram, Visakhapatnam District, Andhra Pradesh" as per enclosed list of specifications.

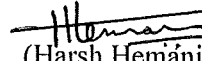
Dear Sir/Madam,

Sealed Quotations are invited for and on behalf of President of India for the **"Packing, loading, transportation, unloading and unpacking the HPC goods"** at BARC campus, Atchutapuram, Visakhapatnam District, Andhra Pradesh as per enclosed list of specifications in Annexure-I , List of items Annexure-II and terms & conditions in Annexure-IV.

The Sealed envelope for the quotation with the reference number of this enquiry shall be super scribed with **"Packing, loading, transportation, unloading and unpacking the goods from BARC, Auto nagar, Visakhapatnam to BARC campus, Atchutapuram"**, should reach on or before 10/12/2018 upto 15:00 Hrs to

Regional Director,
Bhabha Atomic Research Centre,
IDA Block-B, 4th Cross Road,
Near St. Aloysius ITI
Autonagar, Visakhapatnam – 530012
Ph: 0891-2892 131

The validity of the quotation shall be up to 180 days from the last date of submission of the quotation.


(Harsh Hemani) 28/11/18
SO/D
Email: harsh@barc.gov.in
Tel: 0891-2892 189/101

Enclosure:

Annexure I: Technical Specifications and scope of work.

Annexure II: List of items to be packed and transported.

Annexure III: Quotation Format.

Annexure IV: Terms and conditions.

SCOPE OF WORK

I. Scope of work

The scope broadly is to safely shift the goods from FEMS, Bhabha Atomic Research Centre, Visakhapatnam 530 012, A.P to **BARC, (Main site) situated at Atchutapuram** as detailed in Annexure II.

The scope of work in brief is as follows:

1. Collection of the goods as indicated in Annexure II, located in SCH in FEMS, Autonagar.
2. Packing of the goods including nailing and sealing and using proper packing material etc. as per our guidelines indicated in Annexure II.
3. Provision of all packing materials. **BARC will not supply any packing materials.**
4. Serially numbering the packing as directed.
5. Making packing-wise packing list
6. Placing the packed goods safely in the vehicles using fork lift wherever required.
7. Loading of the containers / packing in the truck.
8. Provision of all equipment (crane, forklift, etc) and persons for loading/unloading of heavy equipment, at BARC as well as place of delivery (BARC, main site, Visakhapatnam). BARC will not provide any staff or equipment, other than for overseeing the packing, loading, unloading and unpacking.
9. Complying with the FEMS Stores and Gate formalities.
10. Transportation of the loaded goods to Bhabha Atomic Research Centre, (Main site) Visakhapatnam
11. Completing the security formalities at Bhabha Atomic Research Centre (Main Site), Visakhapatnam
12. Unloading of the goods at Bhabha Atomic Research Centre (Main Site), Visakhapatnam.
13. Unpacking (if required) in the presence of officer in-charge. Verification of seal, reporting of the discrepancies / damages to the packing, if any, to the officer-in-charge before unpacking.

II. Guidelines for Transportation

1. The transportation must be done in Trucks of good condition with proper coverings of PVC/tarpaulin sheets.
2. **It is mandatory for the vendor to visit FEMS to assess the requirement and discuss special packing requirements with concerned staff before submitting the quotation.**
3. A list of materials/equipment to be transported is attached, with approximate dimensions and weight. Please see Annexure II. Minor changes/additions-deletions in this list may be possible to the extent of $\pm 5\%$. However, the packing slip prepared at the time of transportation shall be the final list.
4. The vendors shall ensure that the goods moved shall be handed over to the officer-in-charge as per the packing list in good condition.
5. The vendor shall ensure safe transit and handling during loading and unloading activities.

III. Guidelines for packing:

1. **Category A** : Lamination (dust protection and anti-static)+Armor packing thickness at least 8 cm on all side+Corrugated sheet minimum thickness 5mm+Sealing with cover (plastic)+Wooden box.
2. **Category B** : Lamination (dust protection and anti-static)+Armor packing thickness at least 8 cm on all side+Corrugated sheet minimum thickness 5mm+Sealing with cover (plastic)
3. **Category C** : Lamination (dust protection and anti-static)+Air bubble wrap+Cardboard box / Corrugated sheet (minimum 5 mm thickness)+Sealing with cover (plastic)
4. **Category D** : Bend radius should not be less than 15cm + Card board box Minimum thickness 5mm or more + lamination (plastic)
5. **Category E** : Card board box Minimum thickness 5mm or more + Lamination (Plastic)
6. Furniture: cargotit role+stretch film. Edges must be protected to prevent chipping.
7. Books & documents: Carton box+lamination (individual packing for each staff member)
8. Cupboards/Glass-fronted cupboards: Cargotit role +lamination + gunny on all cupboards. Additionally, any glass component should be protected with thermocole of adequate thickness.

IV. Execution period: 15 days (approx). Any extension will be at the sole discretion of BARC

100 TFLOPS CLUSTER EQUIPMENT LIST

S No.	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	Servers	50	43 X 480 X 800	22 (Each)	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
2.	Ethernet switch (4+2)	06	43 X 480 X 340	06 (Each)	B	
3.	Infiniband Switch (FDR)	01	387 X 480 X 800	60	A	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic) Wooden box.
	IB Module				B (except wooden box)	
4.	IPDUs	06	190 X 56 X 46	07 (Each)	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet (minimum 5 mm thickness) Sealing with cover (plastic)
5.	Mains Power Cards	130		90	E	<ul style="list-style-type: none"> Card board box Minimum thickness 5mm or more Lamination (Plastic)
6.	Ethernet Cable	100		10		
7.	Small power strips	5	45 X 480 X 45	3		
8.	Infiniband Cables	50		15	D	<ul style="list-style-type: none"> Bend radius should not be less than 15cm Card board box Minimum thickness 5mm or more lamination (plastic)
9.	APC Netbotz sensor pod 150	03	45 X 480 X 45	01	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet (minimum 5 mm thickness) Sealing with cover (plastic)
10.	File server	01	90 X 480 X 650	28	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
11.	JBOD	01	130 X 480 X 650	32	B	
12.	Storage server and controller (2+1)	03	180 X 480 X 730	42	B	
			90 X 480 X 650	28		
13.	Xeon phi server (3+2)	05	43 X 480 X 800	22	B	

14.	Console	01	43 X 480 X 800	15	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet Minimum thickness of 5mm or more Sealing with cover (plastic)

20 TFLOPS CLUSTER EQUIPMENT LIST

S No.	Name of Equipment	Quantity (Nos.)	Dimension(in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	Servers (Chassis)	75	43 X 480 X 800	21	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
2.	Ethernet switch	06	43 X 480 X 340	06 (Each)	B	
3.	Infiniband Switch	01	884X 480 X 660	110	A	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic) Wooden box.
	IB Modules				B (except wooden box)	
4.	IPDUs	06	190 X 56 X 46	7 (Each)	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet (minimum 5 mm thickness) Sealing with cover (plastic)
5.	Mains Power Cards	90		65	E	<ul style="list-style-type: none"> Card board box Minimum thickness 5mm or more lamination (plastic)
6.	Ethernet Cable	300		30	E	
7.	Infiniband Cables	150		50	D	<ul style="list-style-type: none"> Bend radius should not be less than 15cm Card board box Minimum thickness 5mm or more lamination (plastic)
8.	APC network switch	01	40 X 135 X 132	1.5	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
9.	APC Netbotz sensor pod 150	03	45 X 480 X 45	01 (Each)	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet (minimum 5 mm thickness) Sealing with cover (plastic)
10.	Console	02	43 X 480 X 800	15 (Each)	C	

11.	42U (Old)	03	2050 X 790 X 1020	130 (Each)	B (except Lamination)	<ul style="list-style-type: none"> Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
12.	APC Struxureware controller	01	43 X 480 X 381	10	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)

5TFLOPS (TEJ) CLUSTER EQUIPMENT LIST

S No	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	Main Server	02	88 X 480 X 707	30 (Each)	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
2.	Servers (Chassis)	29	43 X 480 X 800	21(Each)	B	
3.	Ethernet switch	05	44 X 441 X 389	06 (Each)	B	
4.	Infiniband Switch	01	266 X 444 X 578	50	A	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic) Wooden box.
	IB Module				B(except wooden box)	
5.	IPDUs	08	1688 X 50 X 71	08 (Each)	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet (minimum 5 mm thickness) Sealing with cover (plastic)
6.	Mains Power Cards	29		20	E	<ul style="list-style-type: none"> Card board box Minimum thickness 5mm or more lamination (plastic)
7.	Ethernet Cable	120		15	E	
8.	Infiniband Cables	30		10	D	<ul style="list-style-type: none"> Bend should be 15cm radius Card board box Minimum thickness 5mm or more lamination (plastic)
9.	KVM switch with Monitoring Console	01	43 X 480 X 500	15	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
10.	ALPINE	02	43 X 480 X 138	01 (Each)	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static)

11.	Fan tray	04	43 X 480 X 730	10 (Each)	C	<ul style="list-style-type: none"> • Air bubble wrap • Cardboard box / Corrugated sheet (minimum 5 mm thickness) • Sealing with cover (plastic)
12.	GPU Machine	02	43 X 480 X 800	21 (Each)	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
13.	42U Racks	04	2110 X 600 X 1200	80 (Each)	B (Except Lamination)	
14.	Cyclades ACS console server (2+1)	03	45 X480 X 216	03 (Each)	C	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Air bubble wrap • Cardboard box / Corrugated sheet (minimum 5 mm thickness) • Sealing with cover (plastic)

1 TFLOPS (BEAM) CLUSTER EQUIPMENT LIST

S No.	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	Beam Main Server	01	86 X 437 X 705	24	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
2.	Servers	29	43 X437 X 705	20 (Each)	B	
3.	Ethernet switch	01	43 X 437 X 390	05	B	
4.	Infiniband Switch	01	311 X 439 X 705	45	A	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic) • Wooden box.
5.	PDU's	06		03 (Each)	C	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Air bubble wrap • Cardboard box / Corrugated sheet (minimum 5 mm thickness) • Sealing with cover (plastic)
6.	Mains Power Cards	33		23	E	<ul style="list-style-type: none"> • Card board box • lamination
7.	Ethernet Cable	62		05	E	
8.	Infiniband Cables	31		10	D	<ul style="list-style-type: none"> • Bend should be 15cm radius • Card board box Minimum thickness 5mm or more • lamination (plastic)
9.	KVM	01	45 X 437 X 278	03	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
10.	Gigabit Switch (08 port)	02	35 X 180 X 120	0.5 (Each)	B	
11.	Monitoring Console	01		04	C	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Air bubble wrap • Cardboard box / Corrugated sheet

						<ul style="list-style-type: none"> (minimum 5 mm thickness) Sealing with cover (plastic)
12.	42U Racks	02	2000 X 600 X 980, 2200 X 600 X 1000	80 (each)	B (except Lamination)	<ul style="list-style-type: none"> Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)

TESLA CLUSTER EQUIPMENT LIST

S No.	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	42U Racks (APC)	01	1991 X 600 X 1070	80 (Each)	B (except Lamination)	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
2.	Servers	04	130 X 480 X 650	32	B	
3.	Ethernet switch	01	65 X 480 X 420	07	B	
4.	Infiniband Switch	01	43 X 480 X 430	12	A	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic) Wooden box.
5.	Extension Board	01	1090 X 80 X 50	08	C	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Air bubble wrap Cardboard box / Corrugated sheet (minimum 5 mm thickness) Sealing with cover (plastic)
6.	Mains Power Cords	09		07	E	<ul style="list-style-type: none"> Card board box Minimum thickness 5mm or more lamination (plastic)
7.	Ethernet Cable	04		0.5	E	
8.	Infiniband Cables	04		1.5	D	<ul style="list-style-type: none"> Bend should be 15cm radius Card board box Minimum thickness 5mm or more lamination (plastic)

SAN RACK EQUIPMENT LIST

S No.	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	42U Racks	01	1991 X 600 X 1070	80 (Each)	B (except Lamination)	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
2.	Ethernet switch	02	44 X 480 X 387	6 (Each)	B	
3.	JBODs	06	130 X 480 X 650	32 (Each)	A	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side
4.	Ethernet Switch	02	44 X 428 X 412	8 (Each)	A	

	(10G)					<ul style="list-style-type: none"> • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic) • Wooden box.
5.	Controller	02	90 X 480 X 650	28 (Each)	A	
6.	File server	03	90 X 480 X 650	28 (Each)	A	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic) • Wooden box.
7.	Ethernet Cable	15		1.5	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
8.	Mains Power Cords	26		19	E	
9.	IPDUs	02	190 X 56 X 46	7 (Each)	C	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Air bubble wrap • Cardboard box / Corrugated sheet (minimum 5 mm thickness) • Sealing with cover (plastic)

WHITE RACK

S No	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1.	Xeon Phi server	02	43 X 480 X 800	22 (Each)	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
2.	QDR Machine	02	43 X 480 X 800	21 (Each)	B	
3.	TEJ machine (node 59&60)	01	43 X 480 X 800	21 (Each)	B	
4.	BEAM machine (Node 30 & 31)	02	43 X 480 X 705	20 (Each)	B	
5.	Ethernet switch	01	43 X 480 X 340	05	B	
6.	Mains power cord	08		06	B	
7.	Infiniband Cable	04		1.5	D	<ul style="list-style-type: none"> • Bend should be 15cm radius • Card board box Minimum thickness 5mm or more • lamination (plastic)
8.	Monitor (CRT)	01		15	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
9.	Ethernet Cable	13		01	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
10.	Rack	1	2130 X 1000 X 1000	80	B (except Laminat	<ul style="list-style-type: none"> • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness

					ion)	<ul style="list-style-type: none"> 5mm Sealing with cover (plastic)
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SCH MATERIAL LIST

S No.	Name of Equipment	Quantity (Nos.)	Dimension (in MM) (HXWXD)	Weight (Kg)	Category	Special Packaging Requirement
1	Fire protection system Big pannel	1	400 X 400 X 130	6	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side
	Fire protection system small pannel	1	150 x 210 x 60	2	B	<ul style="list-style-type: none"> Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
	Fire system batteries 12 V , 12AH	2	150 x 200 x 100	4	E	<ul style="list-style-type: none"> Card board box Minimum thickness 5mm or more Lamination (Plastic)
	VESDA system	1	350 X 480 X 200	5	B	<ul style="list-style-type: none"> Lamination (dust protection and anti-static) Armor packing, thickness at least 8 cm on all side
	VESDA power supply box	1	230 X 350 X140	1	B	<ul style="list-style-type: none"> Corrugated sheet minimum thickness 5mm Sealing with cover (plastic)
	GSM modem with adapter	1	200 x 150 x 20	250 grams	E	<ul style="list-style-type: none"> Card board box Minimum thickness 5mm or more Lamination (Plastic)
	Fire and smoke sensors	39		100 grams each	E	
	Emergency door switch (fire)	1	80 x 70 x 20	250 grams	E	
	heat sensors	9		50 grams each	E	
	Fire extinguisher- 2kg	6	Cylinder	2 kg each	B	<ul style="list-style-type: none"> Lamination (dust protection) Armor packing, thickness at least 8 cm on all side Corrugated sheet minimum thickness 5mm
Fire extinguisher- 6.5kg	2	cylinder trolley type	6.5	B		
Fire extinguisher ceiling	3	cylinder hanging	2 kg each	B		
2	Finger access system	1	150 x 210 x 60	500gr	B	<ul style="list-style-type: none"> Sealing with cover (plastic)

				ams		
	Power supply box	2		2	B	
3	Work bench	1	1880 X 2330 X 900	30		Lamination (dust protection and anti-static)
4	Computer set (CPU,monitor,key board,mouse, power& display cables)	10		7 each	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
5	Workstation set (CPU,monitor,key board,mouse, power& display cables)	4		20 each	B	<ul style="list-style-type: none"> • Sealing with cover (plastic)
6	Degausser	1	700 X 370 X 370	15	B	
7	Godrej Dataline locker	1	720 X 560 X 660	50	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • Lamination (Plastic)
8	LCD/LED display (TV) 55" with mounting	6	50.5" x 30.0" x 1.0"	16 each	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
9	LCD/LED display (TV) 42" with mounting	2	577 x 972 x 49	9 each	B	<ul style="list-style-type: none"> • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
10	LCD monitors boxed	1		3	B	packed
11	HP Printer (big)	2	275 x 490 x 490	15 each	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
12	HP Printer (small)	1	209 x 370 x 242	6	B	<ul style="list-style-type: none"> • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
13	Plotter (printer) with paper roll	1	1060 X 1620 X 440	30	B	<ul style="list-style-type: none"> • Sealing with cover (plastic)
14	UPS 2KVA	3	440 X 80 X 480	7 each	B	
	UPS 2KVA Battery (12V,65AH) with stand	12	180 x 170 x 320	15 each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • Lamination (Plastic)

15	PC- UPS (normal)	4		3 each	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
16	D-Link switches (monitoring room)	3		250 grams each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • Lamination (Plastic)
17	Lamps (HALLOGEN)	4		1kg each	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
18	Magnifying glass (workbench)	1		8	B	
19	Temp indicator (monitoring room)	1		300 grams	B	
20	PVC & flexible pipes	10		1		
21	Extension board wooden	3	300 x 300 x 60	2 each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
22	Projector display board with stand	1	1280 x 2410 x 40	20	B	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Armor packing, thickness at least 8 cm on all side • Corrugated sheet minimum thickness 5mm • Sealing with cover (plastic)
23	Display board	16			E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
24	white board	5			E	
25	poster stands	17				

26	Almirah	8		25 each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • Lamination (Plastic)
27	Chairs push back with wheels	9		10 each		Dust proof cover
	Chairs without push back	13		8 each		Dust proof cover
28	Docs drawer (plastic)	3	340 x 310 x 380	2 each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
29	Godrej table + side table set (L shaped, with drawers)	2	730 X 1660 X900			Dust proof cover
30	Tables (with drawers)	9	760 X 1210 X 600			Dust proof cover
31	Pedestal fan (iron body)	3		10 each		Dust proof cover
32	Electrical panel (DB)	7	430 X 350 X 180	2 each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
33	Dustbins (small)	2	Plastic	200 grams		
34	Digital temp indicators	2		100grams each	E	<ul style="list-style-type: none"> • Unscrewing pedestals • Card board box Minimum thickness 5mm or more • lamination (plastic)
35	False floor tiles	132	600 x 600 x 35	5 each	E	
36	False floor pedestals (metal)	80		500 grams each	E	
37	Wooden step	1	1200 x 800 x 400			
38	Wooden cover tile (front-side)	17	600 x 400 x 35	5 each	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • Lamination (plastic)
39	CDU flexible fluid pipe (30.4 mts box)	3	178 x 1156 x 1156	13 each		packed
40	Printer cartridge (SEALED)	3		2 each		packed

41	Meeting table	1	750 x 2320 x 1100	30		Lamination (plastic)
42	CDU climp hangers	4 boxes		3 each		Packed
43	Brass coupling scokets	4		300 grams each		Packed.
44	Flexible fluid piping insulation	3 boxes		6 each		Sealing with cover (plastic)
45	Projector display screen (wall mount-folding)	1		10	c	<ul style="list-style-type: none"> • Lamination (dust protection and anti-static) • Air bubble wrap • Cardboard box / Corrugated sheet (minimum 5 mm thickness) • Sealing with cover (plastic)
46	Cupboard materials (cables, DVDs, tools, etc)			70	E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
47	Shoe rack	1	wooden	20		
48	Shoe & Chapels	4 pairs, 9 pairs			E	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)

OTHER USABLE ITEMS LIST (IN SCH STORE)

Sl. No.	Description of Items	Quant ity	Dimension (in MM) (HXWXD)	Weight (Kg)	Special Packaging Requirement
1.	Keyboard and monitors of TESLA machine	01 box		10	Packed
2.	Infiniband cables	07 boxes		15	Packed
3.	Gigabit switch	02 boxes		10 each	Packed
4.	1U blind for server rack	01 box		50	Partly packed
5.	Ethernet cable (patch card)	01 box.		8	Packed
6.	3-pin power supply cards	01 box		8	Packed

7.	Power supply Extension Strip	11 nos.		6 each	
8.	Display Boards	03 nos.		6 each	lamination (plastic)
9.	Supporting stand for display boards	07 nos.		4 each	
10.	False flooring Tile	01 no.	600 x 600 x 35	5 each	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
11.	Table	02 nos.			lamination (plastic)
12.	Cup boards(File storages)	04 nos.			
13.	Paper roll for Plotter	01 no.		8	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
14	Buckets & mugs (set)	02 nos.		1	
15	Water pipe 35 meters	01 no.		20	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
16	UPS old	03 nos.		8 each	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
17	PS2 key boards wipro (22 Nos)	1 Box		20	<ul style="list-style-type: none"> • Card board box Minimum thickness 5mm or more • lamination (plastic)
18	USB mouses with PS2 converters(8 Nos)	1 Box		5	

QUOTATION FORMAT

Name of the Party	
Address	
Telephone / Fax No.	
GST Number	
PAN	
Bank Details:	
E-mail ID	
Work in Brief :	Collection, Packing, Loading, Transportation, Unloading, Unpacking and relocation of the goods

(Please quote only after going through the scope in detail and understanding the same. The rates must be filled up in the prescribed form given below. It is advisable to read this form before quoting)

To :

The Stores Officer
Bhabha Atomic Research Center,
FEMS, Autonagar, IDA Block B, 4th Cross roads
Visakhapatnam -530012

Your Enquiry No.

Dear Sir,

With reference to your above enquiry we submit our rates as follows:

S No		Required Quantity/Nos	Rate (Rs./qty)	Amount (Rs.)
1	Packing Material Cost estimate			
	Packing Material (Details of quantity NOT reqd. But please provide rates for each item & Total cost)			
			Total	
2	Packing/Unpacking/Collecting Service Cost			
	Labor			
			Total	
3	Material Handling Charges			
	Crane			
	Fork Lift			
			Total	
4	Transportation			
	Lorry/Truck			
			Total	
5	Taxes and Duties			
			Total	
		Grand Total		

- | | |
|---|--------|
| • Acceptance of Payment Terms & Conditions | YES/NO |
| • Compliance with all Instructions and Terms & Conditions (Annexure IV) | YES/NO |
| • PAN and GST No. Provided | YES/NO |
| • Compliance with Guidelines for Packing & Transportation (Annexure II) | YES/NO |

Date :

(Signature & Stamp)

INSTRUCTIONS TO TENDERER/BIDDERS AND TERMS & CONDITIONS

I. INSTRUCTIONS TO TENDERER/BIDDERS :-

1. BARC means Bhabha Atomic Research Center and the tender means the party on whom this enquiry /tender is sent.
2. Please note that this enquiry is not a commitment and BARC reserves the right to reject or cancel any or all offers received in response to this enquiry / tender
3. **Submission of Quotation:-** The Tenderer/Bidder should submit their **Quotation in duplicate** in sealed envelope super scribing the Tender No and due date of opening. Quotation should be **submitted in prescribed format** and should be complete in all respects with technical specifications.
4. **Validity of Quotation:-** The offer **should be valid for a minimum period of 180 days** from due date of opening of the tender.
5. **Security Deposit:** - The Contractor shall at the option of BARC furnish an interest free Security Deposit for 10% of the Contract / Work Order value within 15 days from the date of letter of Intent by way of Bank Guarantee/FDR drawn in favor of Accounts officer, BARC for an equivalent amount and same will be returned after successful completion of the work.
6. **Liquidated Damages :-** The successful Vendor / Tenderer/Bidder should pay liquidated damages @1% (half percent) of the total Contract / Work Order value for the delay of each week in the schedule of completion of work envisaged in the Contract / Work Order subject to a maximum of 5% (five percent) of the total Contract / Work Order value.
7. Work should be completed within a period of 10 working days (max.) from the date of issue of work order. Any extension, if required, will be given at the discretion of BARC. Working hours will extend from 10:00 Hrs to 17:00 Hrs daily from Monday-Friday. Contract workers will be bound by security rules and regulations of BARC and will be jointly supervised by Officials from BARC and Supervisor(s) appointed by the Vendor.
8. Samples of packing material, if called for, should be sent free of all charges.
9. Late tenders will not be considered, Quotation/tenders by cable/fax must be followed by detailed offer by mail/through courier so as to reach us before the due date.
10. The Authority of person signing the tender, if called for, shall be produced.

II. TERMS AND CONDITIONS:-

1. It is expressly agreed that the acceptance of the Services and stores contracted for is subject to final approval in writing by the BARC whose decision shall be final.
2. If all or any of the services and materials not of the quality specified, they may be rejected and supplier/service providers should either replace or refund the money at the discretion of BARC.
3. Adequate packing to prevent damage in transit should be provided keeping in view the nature of item and the mode of transport.
4. All disputes or differences whatsoever arising between the parties out of or relating to the construction, meaning and operations or effect of contract arising out of this tender or the breach thereof shall be settled by arbitration in accordance with the Arbitration Rules of India and the award made in pursuance thereof shall be binding on the parties.
5. These terms and conditions are subject to Visakhapatnam, India jurisdiction only.
6. BARC reserves the right to accept the lowest or any tender in part or full without assigning any reasons.

III. Taxes

- a) GST as applicable against undertaking from the supplier.
- b) The fabricator should quote all rates inclusive of applicable GST.

IV. Payment

- a) **Advance / Part payment or against delivery cannot be made.**
- b) Payment will be made only after satisfactory completion of work and on production of invoice with details of location of supply, separate tax components along with **PAN & GST number, advance stamped receipt , Bank account details.**
- c) It may be noted that Income Tax at 2% will be deducted from the bill.

- d) TDS will be deducted at applicable rates on payments made to the supplier.
- e) Any delay which is attributable to the fabricator is liable for penalty @ 1% per week (max 5%) will be imposed on the fabricator.
- f) **Payment will be made after fulfilling of BOQ specifications and item technical specifications.**

V. Confidentiality:

- a. No party shall disclose any information to third party concerning the matters under this contract generally. In particular, any information identified as “PROPRIETARY” in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.
- b. “RESTRICTED INFORMATION” categories under section 18 of the Atomic Energy Act, 1962 and “OFFICIAL SECRETS” under section 5 of the Official Secrets Act, 1923
- c. Any contravention of the above mentioned provisions by any contractor, sub-contractor, consultant, advisor or the any employees of a contractor will invite penal consequences under the aforesaid legislation
- d. Prohibition against use of BARC's name without permission for publicity purpose.
- e. The contractor or sub-contractor, consultant, advisor or the employees engaged by the contractor shall not use BARC's name for publicity through any public media like press, radio, T.V., or internet without the prior written approval from BARC

Note:

- Each packaged unit to be labeled with equipment identifiers
- Material to be qualified before packaging
- Sample packaging material (lamination, sealing cover, corrugated sheet, cardboard box) to be submitted along with bid or as on request by the officer.

Place of Delivery /Contact Persons :

Attn: Stores Officer
Facility for Electromagnetic Systems
Computational Analysis Division (PEB-3,Super Computing Facility)
Bhabha Atomic Research Centre
Dosuru- Atchutapuram
Visakhapatnam (Rural),Visakhapatnam District
Andhra Pradesh---531011

Contacts of Indenting Officer:

1. **Shri Harsh Hemani** (*Indenting Officer*)
SO/F, Computational Analysis Division
Super Computing Facility, BARC-Vizag
Ph: 0891-2892189, Email: harsh@barc.gov.in
2. **Shri N Durga Prasad** (*Indenting Assistant*)
SA/C, Computational Analysis Division
Super Computing Facility, BARC-Vizag
Ph: 0891-2892101, Email: durgaprasad@barc.gov.in