

Scope of work

1. **Evaluation:** Evaluation will be total wise. The Bidder to quote complete quantity of the all the items.
2. **Test Certificate:** As specified at Technical specification.
3. **Material Packaging guidelines:** “General Instructions / Guidelines for supply of material to ONGC Nhava Supply Base:

Following standard operating procedure (SOP) and cargo handling requirement (CHR) shall be complied with by the contractor for delivery of materials at ONGC Shorebase/ Nhava Supply Base/Kharanja port for onward transportation of material to offshore platform location by ONGC:

Following information to be provided on the top of the box:

- i. Name of Platform.
- ii. Name of items packaged inside.
- iii. Manufacturer Name.
- iv. Test certificates to be provided along with items.

General instruction for packaging and securing of material before dispatch.

- Consignments items should be packed in wooden boxes (as per size of the products) suitably secured with adhesive tape.
- Soft cartons should be placed on wooden pallets / boxes duly wrapped with stretch wraps and secured with nylon strips for further stuffing into Cargo handling Units (CHU).
- The items for which corrugated cartons and wooden boxes are not suitable should be placed on wooden pallet for further stuffing into Cargo handling Units (CHU).
- Transportation of supplied material shall be done through ONGC owned cargo handling units to and from Offshore platforms. Cargo handling units includes:
 - 6 ft Containers
 - 10 ft Containers
 - 20 ft containers (Open top / Closed)
 - 10 ft open Baskets
 - 25 ft open baskets / Pipe Racks
 - 40 ft Open Baskets / Pipe Racks
 - Cylinder Racks
 - Drum Pallet Racks (4 drums / 8 Drums)
- All the Cargo handling units have to be equipped with pad eyes & suitable Sling and Shackles for lifting.
- Inspection criteria & colour code of the tools and tackles has to be followed as per company guidelines.
- For Odd Dimension cargo, the consignment should be packed in sea worthy wooden boxes duly nailed and screwed (secured with metal strips if required), with all the required markings for safe lifting. The web slings should be attached with such boxes.
- Ensure that no cargo should be protruded outside of open baskets and containers.
- While loading of open top CHUs, please ensure that COG of the cargo should not cross the CHU limit i.e. upper edge of the CHU.
- The loose piping less in numbers and weight to be sent in pre-slung condition with help of choke slings and dog clamps or web slings whichever is suitable.

- All OCTG to be sent in pre-slung condition with help of choke slings and dog clamps excluding chrome items (Chrome items to be sent in pre-slung condition with saddles secured with suitable web slings to avoid metal to metal contacts).

Notes:

- If the consignment needs to be palletized the standard pallet size should be 1100 mm X 1100 mm X 125 mm (height).
 - The wood used in the pallet should be of good quality and free of damages. The bottom of the pallet should facilitate the use of forklift for unloading the consignment.
 - Avoid overloading of CHU beyond its capacity (Safe Working Load)
 - Protect web slings from the hard and sharp ages of packages for long run with proper insulation material.
 - Use 4 way sling of proper length so that workmen can pick them up at normal height.
 - Use 4 part shackles with cotter pins for safe operations.”
 - Further Transportation of items from Nhava Supply Base to the B-193 Platform shall be done by ONGC.
4. **Material delivery Address:** Bidders to supply items of the quoted group at the following address:
I/C Rcpt, Nhava,Raigad, ONGC Nhava Supply Base,
Nhava Raigad, Maharashtra-410206,
Telephone No.: -022-2721-1146/1147
5. Delivery period: Within 70 days from the date of GeM order.
6. **Standard:** The supplied items should follow IEC-512, 60208 or latest standards
7. **Technical specifications:**

Sr. No	Matcode	Description of Item	UOM	Total qty
1	070002575	Self-Regulating Heat tracing cable, 230Vac, 20W/ft, IP 66, Exe II-G, (Cable to be used In continuation to the available HTSX cable on –board)	m	400
2	070002576	Self Regulating Heating Cable, 29 W/m on 230 Vac at 10 C, 9 W/ft on 240 Vac at 50 F with nickel plated copper braid and fluoropolymer overjacket	m	600
3	070002579	Line sensing control thermostat with flameproof JB, (10-110Deg.C), contactor (20Amp) and thermostat relay & sensor – 10ft steel capillary, Class2, Div2 Setpoint – 0 to 200deg Celc, Switch- 22A@250Vac, Sensor- 1/8’’ OD, 11’’ Lbulb, 10ft Steel capillary (to be used in field as control + Power JB) JB: ATEX approval, DivII, Grp IIA, IP66, 80x80x50mm	no	8
4	070002579	TERMINATOR Pipe sensing thermostat, IP 66, Ex db eb, range 0 - 100 °C, rating 230 Vac/25 A, for all Parallel-cables, with non-metallic expediter. IECEx Approvals	no	5
5	070002580	End Seal kit of heat tracing system (tolerance 150 degC)	no	4
6	070002581	Thermal conductive paste (100gm)	tubes	5
7	070002582	Adhesive Aluminum tape (2.5’’ wide, 50m roll)	no	5
8	070002583	Adhesive Rubber tape (2’’ wide, 20m)	roll	10
9	070002584	Flexible Copper Power Cable (2C+E), 10sq mm	mtr	100
10	070002585	Flexible Copper Power Cable (2C+E), 2.5 sq mm	mtr	100
11	070002586	Flexible Copper Power Cable (3C+E), 4 sq mm	mtr	100
12	070002587	Pipe strap for 2’’ and 4’’ lines, 10 no.s each	no	10
13	150011481	Nylon Cable ties (8’’)	no	50
14	070002588	Tape Fixing 1/2 inch (12mm) wide 500°F (260°C) Max Temperature	no	20
15	070002589	Aluminium Foil Tape , 50mm wide x 55m long, 150°C Max Temperature	no	20
16	070002590	Aluminum Foil Tape, 76mm wide x 55m long, 150°C Max Temperature	no	20
17	070002580	Kit Cold End Termination for HTSX, USX, FP and HPT	no	20

18	070002591	Adjustustable thermostat with JB	no	3
	Total quantity			1480