

**Title**

**“Logistics Services for Transportation and ad-  
valorem Insurance of ITER Cold Circulators and its  
components”**

- Scope 1: Japan to France - [ Electrical Cabinet + Cables + loose items] – For ODC Items
- Scope 2: Japan to France - [ Cartridge + Ext. magnetic shield] – For Non ODC Items
- Scope 3: Japan to India - [ Casing + Thermal shield + loose items] – For Non ODC Items

**Sub Title**

**PART-A (III): Technical Specifications**

ITER-India, Institute for Plasma Research

Block A, Sangath Skyz, Bhat-Motera Road, Koteswar,

Ahmedabad 380005, Gujarat, India





|                          |  |
|--------------------------|--|
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|       |   |
|-------|---|
| Title | <b>Scope-1: “Logistics Services for Transportation and ad-valorem Insurance of ITER Cold Circulators and its components [ Electrical Cabinet + Cables + loose items ] – from Japan to France – For ODC Items”</b> |
|-------|---|

| Written by              | Reviewed by             | Approved by             |
|-------------------------|-------------------------|-------------------------|
| ITER-India              | ITER-India              | ITER-India              |
| Signature/s in sequence | Signature/s in sequence | Signature/s in sequence |

**ITER-India, Institute for Plasma Research**

**Block A, Sangath Skyz, Bhat-Motera Road, Koteswar,**

**Ahmedabad 380005, Gujarat, India**

<http://www.iter-india.org>



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## ABBREVIATIONS

|      |                                 |
|------|---------------------------------|
| DAP  | Deliver at place                |
| FCA  | Free carriage                   |
| LSP  | Logistic service provider       |
| LLSP | Local logistic service provider |

## Scope-I

### 1. Scope of work

- I. Multimodal Transportation (Road & Air) along with Customs Clearance activities of ITER Cold Circulators and its components under Scope-1 (Electrical Cabinets along with Electrical and Instrumentation Cables and other Loose Items, refer Table-1 and packing list I-I/CDCL/EXPORT/1396/18-19) from its collection point to delivery point as mentioned in the section below.
- II. Submission of Loading Plan and Route Plan
- III. Cover Ad-valorem Insurance of the shipments for end to end movement.
- IV. Safe handling during transport and safe intermediate storage (if required). Loading and unloading of cargo at Airports and other places (as required)
- V. Custom clearance activities at the county of collection point & delivery point. (Necessary documentation will be provided by the Supplier/Manufacturer/Exporter/Importer.)

From (Collection Point):

Meisei Corporation  
Izutacho-Branch  
1-38, Izuta-Cho, Kanagawa-Ku  
Yokohama-Shi, Kanagawa  
221-0032, Japan

INCOTERM: FCA at collection point (free on truck)

To (Delivery Point):

ITER ORGANIZATION (IO),  
B-89, Route de Vinon sur Verdon  
13115, St Paul-Lez-Durance  
France

INCOTERM: DAP at delivery point

Insurance of goods:

To be considered for the bid (mention cargo value of scope 1).  
Insurance = 110% of the transit cargo value. Take/refer from Invoice  
No. I-I/CDCL/EXPORT/1396/18-19.

Means of transport:

Road: Pickup from warehouse (Collection Point) and delivery at airport in Japan.

Air: From international airport in Japan to Marseille airport in France

Road: Pickup from Marseille airport in France and delivery at IO storage site.

Duration: Transportation shall be initiated within 10 days and completed within 30 days from the date of placement of task order.

Item details: Number of wooden crates – 3  
Refer Packing List: I-I/CDCL/EXPORT/1396/18-19

**NOTE:**

- a. The LSP shall follow road /air transport by using relevant trailer/cargo plane.
- b. Detention of the trailer for loading and unloading is included in the scope of LSP. Any other charge from collection point to delivery points are included in the scope of LSP.

## **2. General Terms and Conditions**

- I. ITER-India will provide the packing list and technical information of the consignment. The transporter shall submit loading plan and route plan for consignment.
- II. The transport shall take place after ITER-India issue task order and release note.
- III. Detention of the trailer, additional loading/unloading (if any) is included in the scope of LSP. However, unloading of consignment at delivery point is not in the scope of LSP.
- IV. LSP shall organize transport within 10 days after receiving task order and inform the Purchaser at least five working days before about the exact date of pick-up of items and delivery date of items.

## **3. Technical Details of shipment**

- I. This shipment will consist of 3 (three) non-stackable type wooden crates. Refer Table 1.
- II. The wooden crates are suitable for indoor storage only as per Attachment 1
- III. These wooden crates will contain elements (electrical cabinets along with electrical and instrumentation cables and other loose items) of the ITER Cold Circulators. For detailed information please refer the Packing list for Scope 1– [I-I/CDCL/EXPORT/1396/2018-19]. Good Quality Waterproof Tarpaulin should be used by the LSP for covering of the Consignments for transportation.
- IV. Shock detectors have been mounted on each wooden crate. The shock detectors shall be checked at collection point before transport and at delivery points after transport. The allowable threshold value of acceleration (as per Attachment 1) needs to be respected during transportation. The LSP shall provide documentation (visual inspection report with photographs) in support of the above visual inspection, (showing attachment of shock detectors on wooden crate) at the time of final delivery.

- V. The transport and handling instruction is given in Attachment-1. The wooden crates are fragile and needs to be handled with care, while maintaining the proper vertical orientation. The crates shall be kept dry during transport.

**Table 1: Details of Shipment for Scope 1**

| Box ID | Description of Item | Type of Package  | Qty.  | Dimensions |          |           | Unit Net Weight/Kg | Total Gross Weight/kg | Volume (m3) |
|--------|---------------------|------------------|-------|------------|----------|-----------|--------------------|-----------------------|-------------|
|        |                     |                  |       | Length/cm  | Width/cm | Height/cm |                    |                       |             |
| 2      | B/CASE CABNET       | Wooden Box (2/5) | 2 SET | 191        | 113      | 256       | 700                | 880                   | 5.525       |
| 3      | B/CASE CABNET       | Wooden Box (3/5) | 2 SET | 191        | 113      | 256       | 700                | 880                   | 5.525       |
| 5      | B/CASE MOTOR CABLKE | Wooden Box (5/5) | 4 SET | 216        | 227      | 109       | 420                | 845                   | 5.344       |
|        | AMB CABLE           |                  | 8 SET |            |          |           |                    |                       |             |
|        | MOTOR CABLE SPARE   |                  | 1 SET |            |          |           |                    |                       |             |
|        | CARTON BOX A        |                  | 1 SET |            |          |           |                    |                       |             |
|        | CARTON BOX C        |                  | 1 SET |            |          |           |                    |                       |             |
|        | CARTON BOX D        |                  | 1 SET |            |          |           |                    |                       |             |
|        |                     |                  |       |            |          |           |                    |                       |             |
| TOTAL  |                     |                  |       |            |          |           | 1820.00            | 2605.00               | 16.40       |

#### 4. List of Attachments

Invoice & Packing List for Scope-1: I-I/CDCL/EXPORT/1396/2018-19

Transport and handling Instructions: Attachment 1



|                          |  |
|--------------------------|--|
| Type of document         | Tender Document Part-A(III) Technical specifications for scope-2 |
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|-------|---|
| Title | <b>Scope-2: “Logistics Services for Transportation and ad-valorem Insurance of ITER Cold Circulators and its components [ Cartridge + Ext. magnetic shield] – from Japan to France – For Non ODC Items”</b> |
|-------|---|

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| Written by              | Reviewed by             | Approved by             |
| ITER-India              | ITER-India              | ITER-India              |
| Signature/s in sequence | Signature/s in sequence | Signature/s in sequence |

**ITER-India, Institute for Plasma Research**  
**Block A, Sangath Skyz, Bhat-Motera Road, Koteswar,**  
**Ahmedabad 380005, Gujarat, India**  
<http://www.iter-india.org>



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## ABBREVIATIONS

|      |                                 |
|------|---------------------------------|
| DAP  | Deliver at place                |
| FCA  | Free carriage                   |
| LSP  | Logistic service provider       |
| LLSP | Local logistic service provider |



## Scope-II

### 1. Scope of work

- I. Multimodal Transportation (Road & Air) along with Customs Clearance activities of ITER Cold Circulators and its components under Scope-2 (Cartridge and ext. Magnetic Shields), refer Table-1 and packing list I-I/CDCL/EXPORT/1506/2019-20) from its collection point to delivery point as mentioned in the section below.
- II. Submission of Loading Plan and Route Plan
- III. Cover Ad-valorem Insurance of the shipments for end to end movement.
- VI. Safe handling during transport and safe intermediate storage (if required). Loading and unloading of cargo at Airports and other places (as required)
- IV.
- VII. Custom clearance activities at the county of collection point & delivery point. (Necessary documentation will be provided by the Supplier/Manufacturer/Exporter/Importer.)

From (collection point): Meisei Corporation  
Izutacho-Branch  
1-38, Izuta-Cho, Kanagawa-Ku  
Yokohama-Shi, Kanagawa  
221-0032, Japan

INCOTERM: FCA at collection point (free on truck)

To (delivery point): ITER ORGANIZATION (IO),  
B-89, Route de Vinon sur Verdon  
13115, St Paul-Lez-Durance  
France

INCOTERM: DAP at delivery point

Insurance of goods: To be considered for the bid (mention cargo value of Scope-2). Insurance = 110% of the transit cargo value. Take/refer from Invoice No. I-I/CDCL/EXPORT/1506/2019-20.

Means of transport: Road: Pickup from warehouse (Collection Point) and delivery at airport in Japan.

Air: From international airport in Japan to Marseille airport in France.

Road: Pickup from Marseille airport in France and delivery at IO storage site.



Duration: Transportation shall be initiated within 10 days and completed within 30 days from the date of placement of task order.

Item details: Number of Wooden Crates – 2  
Packing List: I-I/CDCL/EXPORT/1506/2019-20

**NOTE:**

- a. The LSP shall follow road /air transport by using relevant trailer/cargo plane.
- b. Detention of the trailer for loading and unloading is included in the scope of LSP. Any other charge from collection point to delivery points are included in the scope of LSP.

## **2. General Terms and Conditions**

- I. ITER-India will provide the packing list and technical information of the consignment. The transporter shall submit loading plan and route plan.
- II. The transport shall take place after ITER-India issue task order and release note.
- III. Detention of the trailer, additional loading/unloading (if any) is included in the scope of LSP. However, unloading of consignment at delivery point is not in the scope of LSP.
- IV. LSP shall organize transport within 10 days after receiving task order and inform the Purchaser at least five working days before about the exact date of pick-up of items and delivery date of items.

## **3. Technical Details of shipment**

- I. This shipment will consist of 2 (two) Non-Stackable type wooden crates. Refer Table 1.
- II. The wooden crates are suitable for indoor storage only as per Attachment 1
- III. These wooden crates will contain elements (Cartridge and ext. Magnetic Shield) of the ITER Cold Circulators. For detailed information please refer the Packing list for Scope 2– [I-I/CDCL/EXPORT/1506/2019-20]. Good Quality Waterproof Tarpaulin should be used by LSP for covering of the Consignments while Transportation.
- IV. Shock detectors have been mounted on each wooden crate. The shock detectors shall be checked at collection point before transport and at delivery points after transport. The allowable threshold value of acceleration (as per Attachment 1) needs to be respected during transportation. The LSP shall provide documentation (visual inspection report with photographs) in support of the above visual inspection, (showing attachment of shock detectors on wooden crate) at the time of final delivery.

- V. The transport and handling instruction is given in Attachment-1. The wooden crates are fragile and needs to be handled with care, while maintaining the proper vertical orientation. The crates shall be kept dry during transport.

**Table 2: Details of shipment for Scope 2**

| SL. No.      | Description of Item     | Type of Package  | Qty.  | Dimensions |          |           | Unit Net Weight/Kg | Total Gross Weight/kg | Volume (m3)  |
|--------------|-------------------------|------------------|-------|------------|----------|-----------|--------------------|-----------------------|--------------|
|              |                         |                  |       | Length/cm  | Width/cm | Height/cm |                    |                       |              |
| 1            | B/CASE CARTRIDGE        | Wooden Box (1/5) | 6 SET | 166        | 115      | 121       | 900                | 1060                  | 2.310        |
| 4            | B/CASE EXT.MAG.SHIELD 1 | Wooden Box (4/5) | 4 SET | 143        | 143      | 83        | 360                | 430                   | 1.697        |
| <b>TOTAL</b> |                         |                  |       |            |          |           | <b>1260.00</b>     | <b>1490.00</b>        | <b>04.00</b> |

#### 4. List of Attachments

Invoice & Packing List for Scope-2 : I-I/CDCL/EXPORT/1506/2019-20

Transport and handling Instructions: Attachment 1

|                          |  |
|--------------------------|--|
| Type of document         | Tender Document Part-A(III) Technical specifications for scope-3 |
| INDUS number             |  |
| References               |  |
| Current Document phase   | Signed   |
| Current Document Version | V1.0   |
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|       |   |
|-------|---|
| Title | <b>Scope 3: “Logistics Services for Transportation and ad-valorem Insurance of ITER Cold Circulators and its components [ Casing + Thermal shield + loose items] – from Japan to India – Non-ODC Items”</b> |
|-------|---|

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| Written by              | Reviewed by             | Approved by             |
| ITER-India              | ITER-India              | ITER-India              |
| Signature/s in sequence | Signature/s in sequence | Signature/s in sequence |

**ITER-India, Institute for Plasma Research**  
**Block A, Sangath Skyz, Bhat-Motera Road, Koteswar,**  
**Ahmedabad 380005, Gujarat, India**  
<http://www.iter-india.org>



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## ABBREVIATIONS

|      |                                 |
|------|---------------------------------|
| DAP  | Deliver at place                |
| FCA  | Free carriage                   |
| LSP  | Logistic service provider       |
| LLSP | Local logistic service provider |

## Scope-III

### 1. Scope of work

- I. Multimodal Transportation (Road & Air) along with Customs Clearance activities of ITER Cold Circulators and its components under Scope-3, (Casing, Thermal Shield and other loose items, refer Table-3 and Packing List I-I/CDCL/EXPORT/1397/2018-19) from its collection point to delivery point as mentioned in the section below.
- II. Submission of Loading Plan and Route Plan
- III. Cover Ad-valorem Insurance of the shipments for end to end movement.
- IV. Safe handling during transport and safe intermediate storage (if required). Loading and unloading of cargo at Airports.
- V. Custom clearance activities at the county of collection point (Necessary documentation will be provided by the Supplier/Manufacturer/Exporter/Importer.). Custom clearance at Delivery point shall be carried out by ITER-India. ITER-India shall move the consignment from delivery point to necessary destination in Gandhinagar, India.

From (Collection Point):

Meisei Corporation  
Izutacho-Branch  
1-38, Izuta-Cho, Kanagawa-Ku  
Yokohama-Shi, Kanagawa  
221-0032, Japan

INCOTERM: FCA at collection point (free on truck)

To (Delivery Point):

Sardar Patel International Airport  
Ahmedabad-380003, Gujarat, India

INCOTERM: DAP at delivery point

Insurance of goods:

To be considered for the bid (mention cargo value of Scope-3).  
Insurance = 110% of the transit cargo value. Take/refer from Invoice  
No. I-I/CDCL/EXPORT/1397/2018-19.

Means of transport:

Road: Pickup from warehouse and delivery at airport in Japan.

Air: From international airport in Japan to Ahmedabad airport in India

Duration:

Transportation shall be initiated within 10 days and completed within 30 days from the date of placement of task order.

Item details:

Number of wooden crates – 3

Packing List : I-I/CDCL/EXPORT/1397/2018-19

**NOTE:**

- a. The LSP shall follow road /air transport by using relevant trailer/cargo plane.
- b. Detention of the trailer for loading and unloading is included in the scope of LSP. Any other charges from collection point to delivery points are included in the scope of LSP.

**2. General Terms and Conditions**

- I. ITER-India will provide the packing list and technical information of the consignment. The transporter shall submit loading plan and route plan.
- II. The transport shall take place after ITER-India issue task order and release note.
- III. Detention of the trailer (if any) for loading and unloading is included in the scope of LSP. However, unloading of consignment at delivery point is not in the scope of LSP.
- V. LSP shall organize transport within 10 days after receiving task order and inform the Purchaser at least five working days before about the exact date of pick-up of items and delivery date of items.

**3. Technical Details of shipment**

- I. This shipment will consist of 3 (three) non-stackable type wooden crates. Refer Table 3.
- II. The wooden crates are suitable for indoor storage only as per Attachment 1.
- III. These wooden crates will contain elements (casing, thermal shield with other loose items) of the ITER Cold Circulators from Stage II. For detailed information please refer the Packing list for Scope 3 – [I-I/CDCL/EXPORT/1397/18-19]. Good Quality Waterproof Tarpaulin should be used for covering of the Consignments while Road Transportation.
- IV. Shock detectors have been mounted on each wooden crate. The shock detectors shall be checked at collection point before transport and at delivery points after transport. The allowable threshold value of acceleration (as per Attachment 1) needs to be respected during transportation. The LSP shall provide documentation (visual inspection report with photographs) in support of the above visual inspection, (showing attachment of shock detectors on wooden crate) at the time of final delivery.

- V. The transport and handling information is given in Attachment-1 for reference. The wooden crates are fragile and needs to be handled with care, while maintaining the proper vertical orientation. The containers should be kept dry during transport.

**Table 3: Details of shipment for Scope 3**

| SL. No. | Description of Item   | Type of Package  | Qty.  | Dimensions |          |           | Unit Net Weight/Kg | Total Gross Weight/kg | Volume (m3) |
|---------|-----------------------|------------------|-------|------------|----------|-----------|--------------------|-----------------------|-------------|
|         |                       |                  |       | Length/cm  | Width/cm | Height/cm |                    |                       |             |
| 1       | B/CASE PUMP CASING    | Wooden Box (1/3) | 2 SET | 191        | 123      | 127       | 600                | 835                   | 2.984       |
| 2       | B/CASE PUMP CASING    | Wooden Box (2/3) | 2 SET | 191        | 123      | 127       | 600                | 835                   | 2.984       |
| 3       | B/CASE THERMAL SHIELD | Wooden Box (3/3) | 5 SET | 156        | 91       | 111       | 45                 | 145                   | 1.576       |
|         | CARTON BOX B          |                  | 1 SET |            |          |           |                    |                       |             |
|         |                       |                  |       |            |          |           |                    |                       |             |
| TOTAL   |                       |                  |       |            |          |           | 1245.00            | 1815.00               | 7.54        |

#### 4. List of Attachments

Invoice & Packing List for Scope-3: I-I/CDCL/EXPORT/1397/2018-19

Transport and handling Instructions: Attachment 1