



**CSIR-INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY  
BHUBANESWAR- 751013, ODISHA, INDIA**

**NIT No.PA/84/2016**

**Date: 27.01.2017**

**BID DOCUMENT FOR**

**Design, manufacturing, supply, integration, installation &  
Commissioning of Straight grate Pelletisation Pilot Plant with  
capacity of 4-5 TPH for testing of different iron ore  
concentrates based on a basic layout developed by IMMT.**

**(GLOBAL TENDER IN TWO BID SYSTEMS)**

**NB: THIS BID DCOUMENT CAN BE DOWNLOADED **FREE OF COST** FROM OUR  
WEBSITE: <http://www.immt.res.in>**



सीएसआईआर-खनिज एवं पदार्थ प्रौद्योगिकी संस्थान  
CSIR-INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY  
भुवनेश्वर/BHUBANESWAR – 751 013, ODISHA, INDIA

दूरभाष/TEL.: 0674-2379513, Website: [www.immt.res.in](http://www.immt.res.in) ईमेल-/Email:  
[spo@immt.res.in](mailto:spo@immt.res.in),

NIT NO: PA/84/2016

Dated: 27.01.2017

वैश्विक निविदा सूचना /GLOBAL TENDER NOTICE

निदेशक, सीएसआईआर-खनिज एवं पदार्थ प्रौद्योगिकी संस्थान, भुवनेश्वर से द्विबोली पद्धति के आधार पर विख्यात विनिर्माता/आपूर्तिकर्ता से टर्न की आधार पर निम्नलिखित प्रायोगिक संयंत्र के लिए सीलबंद निविदाएं आमंत्रित करते हैं। Director, CSIR-IMMT, Bhubaneswar invites sealed tenders in Two Bid System from reputed manufacturer / Supplier for below mentioned pellet pilot plant on turn key basis:

क्रम/ S.N	सेवाओं का विवरण /Description of Service	मद/Quantity	ईएमडीरु0 /EMD – in INR (Rs.)
1-	आइएमएमटी द्वारा विकसित मौलिक नक्शा (ले आउट) के आधार पर विभिन्न लौह अयस्क सान्द्रकों के परीक्षण के लिए 4-5 टन प्रति घंटा की क्षमता के साथ स्ट्रेट ग्रेट पेलेटाइजेशन पाइलट प्लांट की डिजाइन, विनिर्माण, आपूर्ति, एकीकृत, संस्थापना एवं प्रवर्तन चालू करना। Design, manufacturing, supply, integration, installation & Commissioning of Straight grate Pelletisation Pilot Plant with capacity of 4-5 TPH for testing of different iron ore concentrates based on a basic layout developed by IMMT.	एक पूर्ण इकाई <i>Complete one Unit</i>	Rs. 26,00,000/- (Rs. Twenty Six Lakh)

सीएसआईआर- आइएमएमटी, भुवनेश्वर में 13.02.2017 को प्रातः 11.00 बजे एक पूर्व बोली सम्मेलन आयोजित किया जाएगा। सभी प्रत्यासित बोलीकर्ताओं को इस बैठक में उपस्थित रहना चाहिए जिससे किसी तरह की संदेह/शंका हो तो उसे दूर किया जा सके।

A Pre-Bid Conference will be held on 13.02.2017 at 11.00 AM at the CSIR-IMMT, Bhubaneswar - 751013 (Odisha)-India. All prospective bidders should attend the meeting so that any doubt/query can be cleared.

बोलीकर्ताओं से अनुरोध किया जाता है कि वे अपनी निविदा यथा निर्धारित समयानुसार जमा कराएं।

Bidders are requested to kindly submit their quotation as per mentioned schedule.

निविदाएं जमा करने की अंतिम तिथि 28.02.2017 को समय : अपराह्न 1.00 बजे तक/ Last Date of

Submission: 28.02.2017 Time: Up to 1.00 PM.

निविदा (तकनीकी) खोलने की तिथि 28.02.2017 को समय : 3.00 बजे। / Date of Opening (Technical)

28.02.2017 Time: 3.00 PM.

निविदा प्रलेख का पूरा विवरण [www.immt.res.in](http://www.immt.res.in) की वेबसाइट पर उपलब्ध है जिसे निःशुल्क डाउनलोड किया जा सकता है।

Detailed Tender Documents is available at [www.immt.res.in](http://www.immt.res.in) which may be downloaded free of cost.

हस्ताक्षरित/ Sd/-

भण्डार एवं क्रय अधिकारी  
Stores & Purchase Officer

2. Interested Bidders may obtain further information from the office of the Stores & Purchase Officer, CSIR-IMMT, Bhubaneswar, Odisha, INDIA. *It is mandatory for all the Indian agents of foreign principals doing business with CSIR-IMMT, Bhubaneswar to get themselves enlisted with "DGS&D" as per the instructions of Ministry of Finance and DGS&D. Any bid/quotation submitted by the Indian agents who are not enlisted with DGS&D will be summarily rejected. The supporting document should be attached with the bid/quotation.*

3. Each Complete set of bidding document may be purchased by any interested bidder on submission of a written application to the above office and upon payment of a non-refundable and non-transferable fee of Rs.300.00 in the form of Demand draft in favour of The Director, CSIR-IMMT payable at Bhubaneswar during on all working days upto 27.02.2017. Alternatively, **the bidding document can be downloaded free of cost from our official website.**

**4. The bids must reach to this office on or before 28.02.2017 up to 1.00 P.M (IST) i.e.,** last date & time for submission of tender. Institute will not be responsible for late/delayed. Late/Delayed and conditional tenders will not be accepted. No request from bidders for extension of date of receipt of tender and opening shall normally be entertained.

5. Bidders are not permitted to withdraw/alter or modify their bids after expiry of the deadline for receipt of bids

**6. A Pre-bid Conference will be held on 13.02.2017 at 11.00AM.** All the prospective bidders should attend the Pre-Bid meeting at the CSIR-IMMT, Acharya Vihar, Bhubaneswar (Odisha)-India. In the Pre-bid conference, all the technical specification, drawings, designs and terms & conditions like payment terms will be discussed in detail. Changes if any may be incorporated in the Bidding documents after the PBC and will be uploaded on our official website. Therefore, bidders are requested to submit their bids according to revised requirements.

7. All the bidders should submit the bids clearly indicating the file reference number & particulars of item. **Bid should be neatly typed/ computerized on the letterhead of the firms. If any cutting is there, it should be duly certified.**

**8. All bids must be accompanied by a EMD of Rs.26,00,000/- ( Rs.Twenty Six Lakh).** A Bid without EMD shall be rejected. Bids will be opened in the presence of Bidders' representatives who choose to attend on the specified date and time. In the event of the date specified for bid receipt and opening being declared as a closed holiday for CSIR-IMMT's office, the due date for submission of bids and opening of bids will be the following working day at the appointed time.

9. Bidders are required to submit the complete tender document along with the requisite information related to their bids in the prescribed formats given in the tender documents. Additional sheets may be used, if required. The complete tender documents should be signed and stamped by the authorized signatory of the bidder.

10. Submission of Tender Documents: **Stores & Purchase Officer,  
CSIR-Institute of Minerals & Materials Technology  
Acharya Vihar, Bhubaneswar-751013, Odisha, INDIA  
The bids must reach to this office on or before  
28.02.2017 up to 1.00 PM (IST)**

11. **Opening of Tender documents: First-Part (TECHNICAL BID)** The tender documents will be opened on 28.02.2017 at 3.00 PM (IST) in the office of the **Stores & Purchase Officer, Immt Campus, Bhubaneswar, Odisha, India.**

**12. Validity Period of Offer:-**

The Bids shall remain valid for a period of **120 days** from the date of opening of Part – I of the Tender. In exceptional circumstances, CSIR-IMMT may solicit the Bidder's consent for extension of the bid validity period. When the validity period is extended by the Bidder, the same shall be done without any modification to the Bid by the Bidder, and the validity of the bid security shall also be suitably extended by the Bidder.

**13. Contact Person for Clarifications of bidding documents:** A prospective bidder can seek clarification of the bidding documents to the CSIR-IMMT in writing not later than seven (07) days prior to deadline for submission of bids, to **Stores & Purchase Officer, Acharya Vihar, Bhubaneswar-751013, Odisha. Ph No. 0674-2379513/258, Email- spo@immt.res.in**

14. The Director, CSIR-IMMT, is not under any obligation to accept the lowest Tender / and reserves the right to accept/reject any or all tenders either in part or in full or to split the order more than one tenderer, at its sole discretion without assigning any reasons thereof, which will be binding and acceptable to the all participating bidders.

**Stores Purchase Officer**

**BRIEF SUMMARY & IMPORTANT DATES**

1.	<b>Scope of Work:</b>	<b>Design, manufacturing, supply, integration, installation &amp; Commissioning of Straight grate Pelletisation Pilot Plant with capacity of 4-5 TPH for testing of different iron ore concentrates based on a basic layout developed by IMMT.</b>
2.	<b>Tender Fee:</b>	<b>Rs. 300/- ( If purchased from CSIR-IMMT)</b>
3.	Tender can be downloaded free of cost from office website i.e., <a href="http://www.immt.res.in">www.immt.res.in</a>	There is no Tender fee, if downloaded from our website.
4.	<b>EMD:</b>	<b>Rs. 26,00,000/- ( Rs. Twenty Six lakh)</b> in shape of DD/BC or Bank Guarantee in the name of Director, CSIR-IMMT, payable at Bhubaneswar in Indian Rupees only .
5.	<b>Bid To be submitted to:</b>	<b>Stores &amp; Purchase Officer, CSIR-Institute of Minerals &amp; Materials Technology, Achary Vihar, Bhubaneswar-75013, Odisha, INDIA</b>
6.	<b>Place of Pre-bid conference:</b>	<b>Conference Hall, IMMT Campus, Bhubaneswar</b>

**IMPORTANT DATES**

<b>1.</b>	<b>Pre-bid conference</b>	<b>13.02.2017 at 11.00 AM</b>
<b>2.</b>	<b>Bid Submission</b>	<b>28.02.2017 up to 1.00 PM</b>
<b>3.</b>	<b>Technical Bid Opening</b>	<b>28.02.2017 at 3.00 PM</b>
<b>4.</b>	<b>Price Bid opening</b>	<b>The date will be intimated to technically qualified bidders after Technical Evaluation</b>

S. No.	Specification and Description	Quantity
01	<p><b>Design, manufacturing, supply , installation &amp; commissioning of a straight grate pelletisation pilot plant with capacity of 4-5 TPH for testing of different iron ore concentrates based on a basic layout developed by IMMT</b></p> <ol style="list-style-type: none"> <li>1. Design &amp; development of detailed engineering /technological drawing based on the basic lay out and engineering provided by IMMT and taking into account the equipment to be supplied by CSIR-IMMT as per the scope matrix.</li> <li>2. Construction and erection of the plant including material handling, civil, electrical, instrumentation and control system as per the detailed engineering/technological drawing developed above</li> <li>3. Supply, installation and commissioning of straight grate induration furnace starting from green pellet to indurated pellet , commissioning of pallet car system, thermal system, pollution control system, electrical, instrumentation and control system with provision of maintenance of equipment as per standard practices.</li> <li>4. Integration and commissioning of the entire plant consisting of items 2 &amp;3 above</li> </ol>	1 Unit

## The detailed required scope matrix of the pilot plant

<b>4-5 TPH PILOT PELLET PLANT SCOPE MATRIX</b>		
<b>Sl. No.</b>	<b>Description</b>	<b>Page No.</b>
A	RAW MATERIAL FEEDING SECTION	08
B	PROPORTIONATE SECTION	09-10
C	MIXING SECTION	11
D	GREEN BALL PREPARATION SECTION	12
E	OVER & UNDER SIZE SCREENING & RECYCLE SECTION	13
F	HEARTH LAYER FEEDING SECTION	14
G	INDURATION FURNACE SECTION	15-17
H	COMBUSTION SECTION	18
I	HEAT RECUPERATION SECTION	19
I-1	PROCESS FANS	19
I-2	PROCESS GAS DUCTING	19
I-3	ELECTROSTATIC PRECEPTATOR	19
I-4	REFRACTORY & INSULATION	19-20
J	PRODUCT HANDLING SECTION	21
K	WATER SECTION	22
L	COMPRESSED AIR SECTION	23
M	ELECTRICAL	23
N	INSTRUMENTATION	24
O	PROCESS CONTROL AUTOMATION SYSTEM	24
P	OPERATOR INTERFACE SYSTEM & EQUIPMENT CONTROL SYSTEM LEVEL-0	25

**Mark “ X” implies bidder/supplier’s scope**

A	RAW MATERIAL FEEDING SECTION	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
1	Raw Material yard	Open			IMMT Scope
2	Iron ore feed hopper (Iron ore concentrate)	Cap.: 8 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
3	Slide gates for ground hopper		2 Nos.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
4	Drag belt feeder below hopper	Cap.: 8 TPH, Length : 4 meter, Inclination: 0 deg.	1 No.	Erection & Alignment	IMMT Supply
5	Storage hopper for coke	Cap.: 200 Kg	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
6	Storage hopper for bentonite	Cap.: 200 Kg	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
7	Storage hopper for limestone	Cap.: 200 Kg	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT
8	Storage hopper for Iron dust	Cap.: 200 Kg	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
9	Civil foundation	As required by Raw material Feeding Section		Design & Construction	X
10	Support structure	As required by Raw material Feeding Section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
11	Technological structure	As required by Raw material Feeding Section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement



B	PROPORTIONAT E SECTION	SPECIFICATIO N	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
1	Bucket elevator-1 for iron ore concentrate bin - 1 & 2	Cap.: 8 TPH	1 No.	Erection & Alignment	IMMT Supply
2	Bucket elevator-2 for coke & bentonite	Cap.: 0.5 TPH	1 No.	Erection & Alignment	IMMT Supply
3	Bucket elevator-3 for limestone & iron dust	Cap.: 0.5 TPH	1 No.	Erection & Alignment	IMMT Supply
4	Iron ore concentrate bin-1	Cap.: 10 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT
5	Iron ore concentrate bin-1 weighing system		1 Lot	DB Scope	X
6	Iron ore concentrate bin-1 slide gate		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
7	Iron ore concentrate bin-2	Cap.: 10 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
8	Iron ore concentrate bin-2 weighing system		1 Lot	DB Scope	X
9	Iron ore concentrate bin-2 slide gate		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
10	Coke storage hopper	Cap.: 1 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
11	Slide gate below coke storage hopper		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
12	Coke Storage hopper weighing system		1 Lot	DB Scope	X
13	Bentonite storage hopper	Cap.: 1 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
14	Slide gate below bentonite storage hopper		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
15	Bentonite storage hopper weighing system		1 Lot	DB Scope	X

16	Limestone storage hopper	Cap.: 1 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
17	Slide gate below limestone storage hopper		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
18	Limestone storage hopper weighing system		1 Lot	DB Scope	X
19	Iron dust storage hopper	Cap.: 3 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT
20	Slide gate below iron dust storage hopper		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
21	Iron dust storage hopper weighing system		1 Lot	DB Scope	X
22	Weigh belt feeder-1 (below concentrate bin-1)	Cap.: 8 TPH	1 No.	Erection & Alignment	IMMT Supply
23	Weigh belt feeder-2 (below concentrate bin-2)	Cap.: 8 TPH	1 No.	Erection & Alignment	IMMT Supply
24	Screw feeder for coke	Cap.: 0.1 to 0.2 TPH	1 No.	Erection & Alignment	IMMT Supply
25	Screw feeder for bentonite	Cap.: 0.1 to 0.2 TPH	1 No.	Erection & Alignment	IMMT Supply
26	Screw feeder for limestone	Cap.: 0.1 to 0.2 TPH	1 No.	Erection & Alignment	IMMT Supply
27	Screw feeder for iron dust	Cap.: 0.1 to 0.2 TPH	1 No.	Erection & Alignment	IMMT Supply
28	Belt conveyor-1 (BC-1)	Cap.: 8 TPH	1 No.	Erection & Alignment	Steel will be supplied by IMMT as per design requirement
29	De-dusting system (Bag filter, Duct & Stack)		1 Set	Design, Fabrication & Erection	X
30	Civil foundation	As required by proportionate section		Design & Construction	X
31	Support structure	As required by proportionate section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
32	Technological structure	As required by proportionate section		Design, Fabrication & Erection	Steel will be supplied by IMMT

<b>C</b>	<b>MIXING SECTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	Mixture machine	8 TPH	1 No.	Erection & Alignment	IMMT Supply
2	Belt conveyor-2 (BC-2)	Cap.: 8 TPH	1 No.	Erection & Alignment	Steel will be supplied by IMMT as per design requirement
3	Junction house-1		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
4	Belt conveyor-2A (BC-2A)	Cap.: 8 TPH	1 No.	Erection & Alignment	Steel of support structure will be supplied by IMMT as per design requirement
5	Civil foundation	As required by mixing section		Design & Construction	X
6	Support structure	As required by mixing section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement

<b>D</b>	<b>GREEN BALL PREPARATION SECTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	Surge bin for pelletizing disc	Cap.:5 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
2	Slide gate for surge bin		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
3	Load cell for surge bin		1 Set	DB Scope	X
4	Weigh belt feeder from surge bin to pelletizing disc	Cap.: 10 TPH	1 No.	Erection & Alignment	IMMT Supply
5	Pelletizing disc	Cap.: 10 TPH	1 No.	Erection & Alignment	IMMT Supply
6	Belt conveyor-3 (BC-3)	10 TPH	1 No.	Erection & Alignment	IMMT Supply
7	Tramp iron magnet on BC-3		1 No.	DB Scope	X
8	Civil foundation	As required by Green Ball preparation Section		Design & Construction	X
9	Support structure	As required by Green Ball preparation Section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
10	Technological structure	As required by Green Ball preparation Section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement

<b>E</b>	<b>OVER &amp; UNDER SIZE SCREENING &amp; RECYCLE SECTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	Roller screen (Over size)	10 TPH	1 Set	Supply, Erection & Alignment	X
2	Roller screen (Under size)	8.5 TPH	1 Set	Supply, Erection & Alignment	X
3	Belt conveyor-11 (BC-11, Over size green ball)	Cap.: 1.5 TPH	1 No.	Erection & Alignment	IMMT Supply
4	Belt conveyor-12 (BC-12, Under size green ball), Wide belt conv.	Cap.: 1.5 TPH	1 No.	Erection & Alignment	IMMT Supply
5	Belt conveyor-4 (BC-4)	Cap.: 3.5 TPH	1 No.	Erection & Alignment	IMMT Supply
6	Belt conveyor-5 (BC-5)	Cap.: 3.5 TPH	1 No.	Erection & Alignment	IMMT Supply
7	Green ball shredder	Cap.: 3.5 TPH	1 No.	Supply, Erection & Alignment	X
8	Mechanical hoist for DDRS		1 NO.	Erection & Alignment	IMMT Supply
9	Support & technological structure	As required by over, under size screening & recycle section		Design, Fabrication & Erection	Steel will be supplied by IMMT

F	HEARTH LAYER FEEDING SECTION	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
1	Side hearth layer hopper	Cap.: 8 Ton	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
2	Liner for side hearth layer hopper		1 Lot.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
3	Slide gate below side hearth layer hopper		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
4	Load cell for side hearth layer hopper		1 Lot.	Supply, Design, Fabrication & Erection	X
5	Bottom hearth layer hopper	Cap.: 8 Ton	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
6	Liner for bottom hearth layer hopper		1 Lot.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
7	Slide gate below bottom hearth layer hopper		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
8	Load cell for bottom hearth layer hopper		1 Lot.	Supply, Design, Fabrication & Erection	X
9	Belt conveyor-9 (BC-9)	Cap.: 6 Ton	1 No.	Erection & Alignment	IMMT
10	Belt conveyor-10 (BC-10)	Cap.: 14 Ton	1 No.	Erection & Alignment	IMMT
11	Bottom hearth layer feeder (HL gate system)		1 Set	Supply, Design, Fabrication & Erection	X
12	Side hearth layer feeder (SL gate system)		1 Set	Supply, Design, Fabrication & Erection	X
13	De-dusting System (Bag Filter, Duct & Stack)		1 Set	Design, Fabrication & Erection	X
14	Civil foundation	As required by hearth layer feeding Section		Design & Construction	X
15	Support structure	As required by hearth layer feeding section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
16	Technological structure	As required by hearth layer feeding section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement

G	INDURATION FURNACE SECTION	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
	<b>Induration machine with auxiliaries (Size: 29 meter sprocket centre to centre Long X 1 Meter wide), Induration length : 24 Meter</b>		1 Complete Set	Design, Supply, Fabrication , Erection & Commissioning	
1	<b>Indurating Machine</b>				
2	Pellet car				
3	Drive sprocket				
4	Curved run rails				
5	Discharging system				
6	Drive GB with motor of indurating machine				
7	Straight rails				
8	Pellet car charging hoist				
	<b>Indurating Furnace</b>				
1	Swrillers				
2	Side lintels				
3	Baffle lintels				
4	Longitudinal seals				
5	Transverse seals				
6	Side seal boxes				
7	Centralized grease lubrication system for the machine				
8	Load cell for machine discharge bin				
9	Manual slide gates at discharge bin				
10	Hoist for Machine drive gear box maintenance				

	<b>Technological structure for induration machine &amp; furnace</b>			
1	Machine rail beam support structure			
2	Longitudinal beam			
3	Monorail for pellet changing device			
4	Machine drive gear box support structure			
5	Machine drive sprocket support structure			
6	Cover of head part			
7	Hood of drying zone-I			
8	Hood of drying zone-II			
9	Preheating & firing zone			
10	Gas / Air chambers / Burner ports			
11	Head of cooling zone -I			
12	Head of cooling zone -II			
13	Direct recuperation main			
14	Down comers			
15	Firing zone roof structure			
16	Bull nose structure			
17	Inserts for instrumentation			
18	Furnace support structure of drying zone-I			
19	Furnace support structure of drying zone-II			
20	Furnace support structure of preheating & firing zone			
21	Suspended roof structures & turn buckles			
22	Furnace support structure of cooling zone			
23	Discharge support structure			
24	Cover of discharging station			



25	Machine discharge bin support			
26	Machine discharge bin			
27	Wind boxes			
28	Liners for wind boxes (Metallic)			
29	Wind box double dump valve			
30	Dribble hopper			
31	Platform for the drive units			
32	Platform of changing devices			
33	Platform of discharge parts			
34	Platform for the furnace			
35	Platform for the swillers			
36	Platform for the burners			
37	Platform for the wind boxes			
38	Platform for the furnace instruments			
39	Guards for working & return strand pellet wheels			
40	Return strand pellet wheels protection cover			
41	Fasteners			
42	Packing plates			
	<b>Furnace Refractory</b>			
1	Indurating furnace refractory			
2	Wind box refractory			
3	Refractory anchors, clamps & hangers			
4	Civil foundation for induration machine			
5	Other technological structures in induration section like chute etc.			

<b>H</b>	<b>COMBUSTION SECTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	Pilot burners & oil fired burners		1 No.	Design, Supply, Fabrication , Erection & Commissioning	X
2	Oil burner, pilot burner control valve station		1 No.		
3	High energy ignition & local push button panel				
4	Fuel oil storage tank & unloading system from tanker				
5	Fuel oil storage tank at pellet plant				
6	Oil supply pumps & system to burners with filters				
7	Oil piping system complete: pipes, valves, fittings & accessories				
8	Combustion airs fan with silencers				
9	Inlet & outlet dampers of CA fan				
10	Combustion airs fan discharge air ducts & its branches				
11	Civil for combustion section		1 No.	Design, Supply, Fabrication & Erection	X
12	Other technological structures in combustion section		1 Lot	Design, Supply, Fabrication & Erection	X

I	HEAT RECUPERATION SECTION	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
<b>I-1</b>	<b>Process Fans</b>			Design, Supply, Fabrication , Erection & Commissioning	<b>X</b>
1	Intake silencers (Cooling air fan)				
2	Inlet damper cooling air fan				
3	Cooling air fan & Other accessories				
4	Inlet damper wind box recuperation fan				
5	Wind box recuperation fan & other accessories				
6	Inlet damper (Win box exhaust gas fan)				
7	Common process gas exhaust fan with other accessories				
8	Process dampers				
9	Non metallic expansion joints				
<b>I-2</b>	<b>Process Gas Ducting</b>				
	<b>Complete Process gas ducts</b>				
1	Ducts for machine discharge hood suction			Design, Supply, Fabrication , Erection & Commissioning	<b>X</b>
2	Duct for spillage bin & drive sprocket side suction				
3	Hood seal fan ducts				
4	Duct supports & saddles				
5	Other ducts				
6	Chimney				
<b>I-3</b>	<b>Elector Static Precipitator</b>				
1	ESP complete for process gas			Design, Supply, Fabrication , Erection & Commissioning	<b>X</b>
<b>I-4</b>	<b>Refractory &amp; insulation</b>				
1	Refractory lining for wind box recuperation main & fan inlet duct				
2	Process gas stack with refractory				
3	Refractory anchors, clamps				

	& hangers				
4	Insulation (Acoustic) for cooling air suction fan silencers				
5	Insulation (Acoustic) for cooling air fan				
6	Insulation (Acoustic) for cooling air ducts				
7	Insulation for wind box recuperation fan				
8	Insulation for wind box recuperation ducts				
9	Insulation for common exhaust fan				
10	Insulation for common exhaust fan gas duct				
11	Insulation for process gas cross connecting ducts				
12	Insulation (Acoustic) for combustion air fan suction silences				
13	Insulation (Acoustic) for combustion air fan				
14	Insulation anchors & clamps				
15	Civil for Heat recuperation section				
16	Other technological structure in heat recuperation section like support etc.				

<b>J</b>	<b>PRODUCT HANDLING SECTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	Double deck vibrating screen for product	Cap.:8.5 TPH	1 No.	Erection	IMMT
2	Product hopper & screen chute	Cap.: 5 Tonne	1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
3	Junction house-2			Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
4	Belt conveyor-6 (BC-6)	Cap.: 14 TPH	1 No.	Erection & Alignment	Steel of support structure will be supplied by IMMT as per design requirement
5	Belt conveyor-7 (BC-7)	Cap.: 14 TPH	1 No.	Erection & Alignment	Steel of support structure will be supplied by IMMT as per design requirement
6	Belt conveyor-8 (BC-8)	Cap.: 14 TPH	1 No.	Erection & Alignment	Steel of support structure will be supplied by IMMT as per design requirement
7	Ground hopper for emergency HL pellet feeding		1 No.	Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
8	Slide gate for emergency HL pellet feeding			Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
9	De-dusting system (Bag Filter, Duct & Stack)		1 Set	Design, Fabrication &	X

				Erection	
10	Maintenance hoist for vibrating screen		1 No.	Erection & Alignment	IMMT
11	Civil foundation	Aa required by product handling section		Design & Construction	X
12	Support structure	Aa required by product handling section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
13	Technological structure	Aa required by product handling section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement

K	WATER SECTION	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
1	Water storage tank			Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement
2	Water pumps			Design, Supply & Erection	X
3	Cooling tower			Design, Supply & Erection	X
4	Heat Exchangers			Design, Supply & Erection	X
5	Complete plant water system pipes, valves, fittings, expansion joints & other accessories			Design, Supply & Erection	X
6	Civil work for water section	As required by water section		Design & Construction	X
7	Other Support & technological structure	As required by water section		Design, Fabrication & Erection	Steel will be supplied by IMMT as per design requirement

<b>L</b>	<b>COMPRESSED AIR SECTION</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	Complete plant compressed air pipes, valves, fittings, expansion joints & other accessories			Design, Supply & Erection	<b>X</b>
2	Compressed air system (Compressors, dryers, receivers)			Design & Erection	<b>IMMT</b>
3	Maintenance hoist for Compressor station				
4	Civil for compressed air station			Design, Supply & Erection	<b>X</b>
5	Other support & technological structure			Design & Erection	Steel will be supplied by IMMT as per design requirement

<b>M</b>	<b>Electrical</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>SCOPE OF WORK</b>	
				<b>Designer / Bidder Scope</b>	<b>IMMT Scope</b>
1	PCCs, MCCs, PDBs, Variable frequency converters, UPS, Local push buttons			Design, Supply, Erection & Commissioning	<b>X</b>
2	Power & control cables			Design, Supply, Erection & Commissioning	<b>X</b>
3	Earthing & lighting arresters			Design, Supply, Erection & Commissioning	<b>X</b>
4	AC & ventilation system				
5	Power & control cable terminals, cable jointing, cable gladding etc				

N	Instrumentation	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
1	Pull chord, belt sway, zero limit switch			Design, Supply, Erection & Commissioning	X
2	Pressure & temperature transmitter				
3	Thermo-well & thermo couple				
4	Pressure gauges				
5	Sensors & field instruments for entire plant				
6	Instrumentation cables				
7	Instrumentation cable trays				
8	Control cable terminals, cable jointing, cable gladding etc				

O	Process control automation system	SPECIFICATION	QTY	SCOPE OF WORK	
				Designer / Bidder Scope	IMMT Scope
1	Process control server hardware (Redundant configuration)			Design, Supply, Erection & Commissioning	X
2	Process control server system software & licences				
3	Process control server application & licences				
4	Process work station hardware				
5	Process engineering station hardware				
6	Field IO panels				
7	System software & licences				
8	Printer				



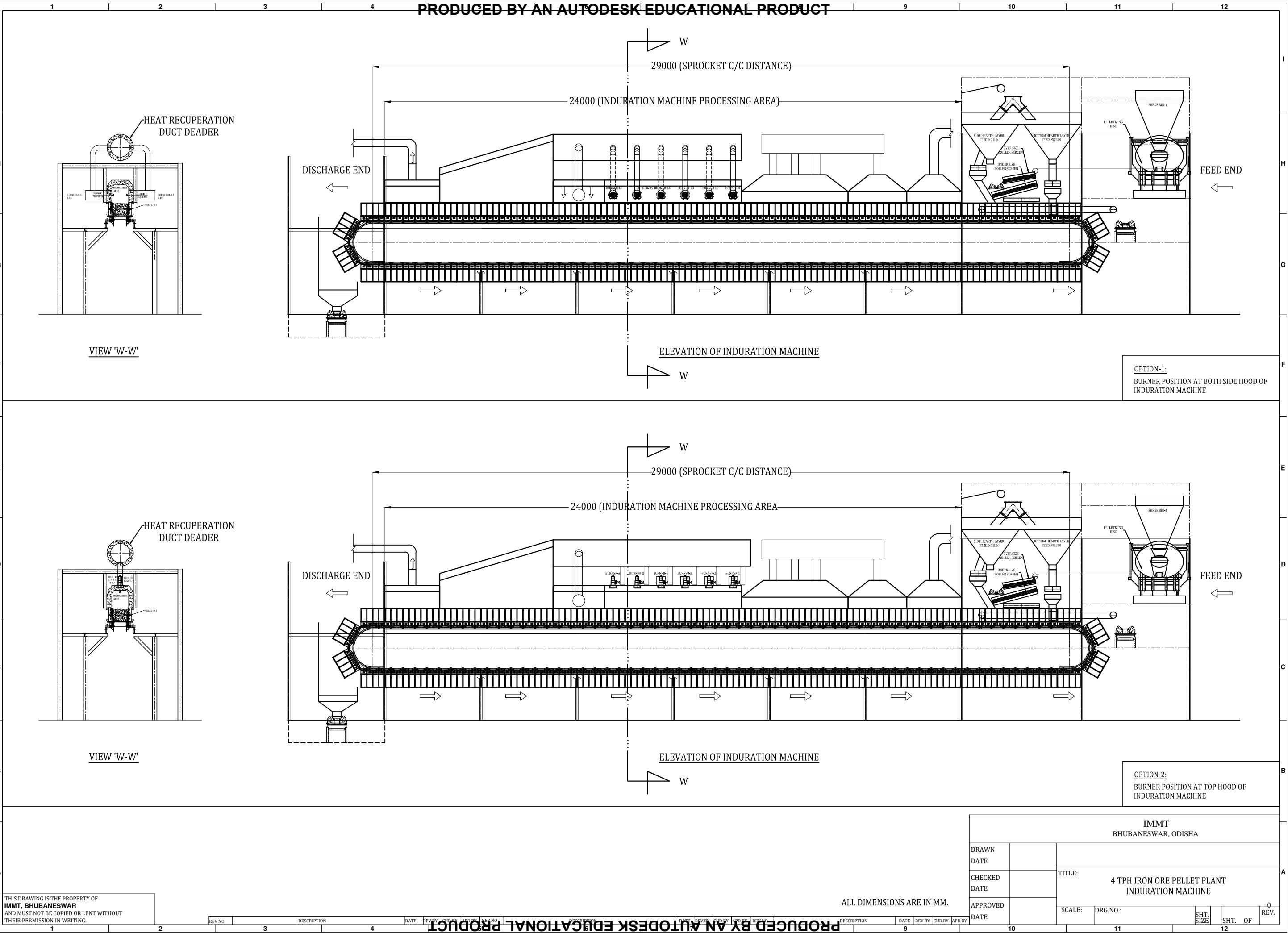
9	Interplant Communication System				<b>IMMT</b>
<b>P</b>	<b>OPERATOR INTERFACE SYSTEM &amp; EQUIPMENT CONTROL SYSTEM LEVEL-0 FOR FOLLOWING AREAS</b>			Design, Supply, Erection & Commissioning	<b>X</b>
1	Raw Material Feeding Section				
2	Proportionate Section				
3	Green Ball preparation Section				
4	Over & Under size Screening & Recycling Section			Design, Supply, Erection & Commissioning	
5	Hearth Layer feeding Section				
6	Indurating Section				
7	Combustion Section				
8	Heat recuperation Section				
9	Product Handling Section				
10	Water Section				
11	Compressed air Section				
12	Civil Work of the Electrical & Control Room building				

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**General conditions/essential requirement:**

- The party should have prior experience in detailed engineering design, development of system, supply, erection and commissioning of iron ore pelletization plant on pilot/commercial scale level.
- As the indented pelletization pilot plant mostly involves fabricated item, therefore to assess the credibility of the party to design, fabricate, supply, erect and commission it successfully, CSIR-IMMT technical committee may visit the site where the party has previously fabricated, erected, supplied, installed and commissioned the iron ore pelletization plant on pilot/commercial scale.
- Detailed engineering drawings of the induration furnace, integration with material handling equipments and control system of the total plant are to be vetted by CSIR-IMMT before fabrication.
- All the bought out items supplied must be of reputed make/brand and require vetting of CSIR-IMMT.
- Minimum period of one year warranty on all items supplied by the party from the date of successful installation and commissioning.
- The party should provide the test & calibration certificates for control systems.
- Appropriate operational safety provisions must be incorporated in the system.
- The party should have sound financial credibility to carryout the indented work
- Any technical information, drawing, design provided by CSIR-IMMT, Bhubaneswar shall be the sole intellectual property of the CSIR-IMMT. The party has to undertake to maintain full confidentiality and not to use the same without prior permission of CSIR-IMMT, Bhubaneswar.

**CHAPTER 1**  
**INSTRUCTIONS TO BIDDER**

<b>Table of Contents</b>	
<b>Sl. No.</b>	<b>Contents</b>
1.1.	Eligible Bidders
1.2.	Cost of Bidding
1.3.	Fraud and Corruption
1.4.	Cost of Bidding Documents
1.5.	Content of Bidding Documents
1.6.	Clarification of bidding documents
1.7.	Amendment of Bidding Documents
1.8.	Language of Bid
1.9.	Documents Comprising the Bid
1.10.	Bid form and price schedule
1.11.	Bid Prices
1.12.	Bid Currencies
1.13.	Documents Establishing Bidder's Eligibility and qualifications
1.14.	Documents Establishing Goods' Eligibility & Conformity to Bidding documents
1.15.	Bid Security
1.16.	Period of Validity of Bids
1.17.	Format and Signing of Bid
1.18.	Submission, Sealing and Marking of Bids
1.19.	Deadline for Submission of Bids
1.20.	Late Bids
1.21.	Withdrawal, substitution and Modification of Bids
1.22.	Opening of Bids by the Purchaser
1.23.	Confidentiality
1.24.	Clarification of Bids
1.25.	Preliminary Examination
1.26.	Non-Conformity, Error and Omission
1.27.	Examination of Terms & Conditions, Technical Evaluation
1.28.	Conversion to Single Currency
1.29.	Evaluation and Comparison of bids
1.30.	Contacting the Purchaser
1.31.	Post qualification
1.32.	Purchaser's right to vary Quantities at Time of Award
1.33.	Purchaser's right to accept any Bid and to reject any or all Bids
1.34.	Signing of Contract
1.35.	Order Acceptance
1.36.	Performance Security

## **Introduction**

### **1.1. Eligible Bidders/Pre-Qualification**

- 1.1.1 This Invitation for Bids is open to all suppliers.
- 1.1.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids.

### **1.2. Cost of Bidding**

- 1.2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

### **1.3. Fraud and corruption:**

- 1.3.1 The purchaser requires that the bidders suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

"corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

"Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

"Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, noncompetitive levels; and

"Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

- 1.3.2 The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;

## **The Bidding Documents**

### **1.4. Cost of Bidding Documents**

- 1.4.1 Interested eligible bidders may purchase the bidding documents on payment of the cost of bidding documents @ Rs.500/- or alternatively, the bidding documents can be downloaded from our Website as indicated in the Invitation for Bids/NIT free of cost.

### **1.5. Content of Bidding Documents**

- 1.5.1 The goods required, bidding procedures and contract terms are prescribed in the bidding documents which should be read in conjunction. The bidding documents, apart from the invitation for bids have been divided into 8 chapters as under:

Chapter 1: Instructions to Bidder (ITB)

Chapter 2: General Conditions of Contract (GCC) & Special Conditions of Contract (SCC)

Chapter 3: Schedule of Requirements

Chapter 4: Specifications and Allied Technical Details

Chapter 5: Price Schedule Forms

Chapter 6: Qualification requirements

Chapter 7: Contract Form

Chapter 8: Other Standard Forms comprising:

- (a) Bidder Information Form
- (b) Manufacturer's Authorization Form (MAF);
- (c) Bid Security Form
- (d) Performance Statement form
- (e) Deviation Statement Form;
- (f) Service Support details;
- (g) Bid form
- (h) Performance Security Form;
- (i) Acceptance Certificate Form

1.5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

## **1.6. Clarification of bidding documents**

1.6.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address specified in the Special Conditions of Contract (SCC). The Purchaser will respond in writing to any request for clarification, provided that such request is received not later than seven (07) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under clause relating to amendment of bidding documents and Clause relating to Deadline for Submission of Bids. The clarifications and amendments issued would also be hosted on the website of the purchaser for the benefit of the other prospective bidders.

## **1.7. Amendment of Bidding Documents**

- 1.7.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
- 1.7.2 All prospective bidders who have received the bidding documents will be notified of the amendment in writing or by cable or by fax, or by e mail and will be binding on them. The same would also be hosted on the website of the purchaser and all prospective bidders are expected to surf the website before submitting their bids to take cognizance of the amendments.
- 1.7.3 In order to allow prospective bidders reasonable time to take the amendment into account, while in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the purchaser.

### **Preparation of Bids**

#### **1.8. Language of Bid**

- 1.8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English language only especially when the details are technical. However of GOI makes it mandatory under Rajbhasha Abhniyam in that case views of Rajbhasha unit of CSIR may be sought.
- 1.8.2 The Supplier shall bear all costs of translation, if any, to the English language and all risks of the accuracy of such translation, for documents provided by the Supplier.

#### **1.9. Documents Comprising the Bid**

- 1.9.1 The bid prepared by the Bidder shall include:

- (a) Bidder Information Form
- (b) Bid security as specified in the Invitation to Bids.
- (c) Service support details form;
- (d) Deviation Statement Form;
- (e) Performance Statement Form;
- (f) Manufacturer's Authorization Form.
- (g) Undertaking that they would enter into IP with IMMT where applicable
- (h) Documentary evidence establishing that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- (i) Bid form.
- (j) Documents establishing goods eligibility and conformity to bidding documents.
- (k) Applicable Price Schedule Form.
- (l) DGS&D Registration certificate in case the items under procurement falls under the restricted category of the current export-import policy of the Govt. of India.
- (m)An undertaking that item of IT would be supplied as per latest architecture/technology without additional price.

## **1.10. Bid form and price schedule**

1.10.1 The bidder shall complete the Bid Form and the appropriate price schedule form furnished in the bidding documents. These forms must be completed without any alterations to its format and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

Wherever pre-bid conference has been mentioned, the suppliers may submit their bids after attending the conference on their own interest. Also queries of specifications be sent before conference.

## **1.11. Bid Prices**

1.11.1 The Bidder shall indicate on the appropriate price schedule form, the unit prices and total bid prices of the goods it proposes to supply under the contract.

1.11.2 Prices indicated on the price-schedule form shall be entered separately in the following manner:

(a) For Goods manufactured within India

(i) The price of the goods quoted Ex -works including taxes already paid.

(ii) VAT and other taxes like excise duty etc. which will be payable on the goods if the contract is awarded.

a. The charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule form.

b. The installation, commissioning and training charges including any incidental services, if any.

(b) For Goods manufactured abroad

(i) The price of the goods, quoted on FCA (named place of delivery abroad) or FOB (named port of shipment), as specified in the price schedule form.

(ii) The charges for insurance and transportation of the goods to the port/place of destination.

(iii) The agency commission charges, if any.

(iv) The installation, commissioning and training charges including any incidental services, if any

(c) Items reserved for SSI and price preference to public undertaking will be done as per notification of Govt. / CSIR issued from time to time.

1.11.3 The terms FOB,FCA, CIF, CIP etc shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris.

1.11.4 Where there is no mention of packing, forwarding, freight, insurance charges, taxes etc. such offer shall be rejected as incomplete.

1.11.5 The price quoted shall remain fixed during the contract period and shall not vary on any account

1.11.6 All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price Schedule shall be assumed to be not included in the bid.



1.11.7 The purchases made by the purchaser for scientific purpose are exempt from excise duty and Custom Duty at a concessional rate is leviable.

1.11.8 The cost of AMC of any kind should be mentioned in the tender, including details of service provided by the supplier, wherever the specification warrants AMC as per IMMT tender.

#### **1.12. Bid Currencies**

1.12.1 Prices shall be quoted in Indian Rupees for offers received for supply within India and in freely convertible foreign currency in case of offers received for supply from foreign countries.

#### **1.13. Documents Establishing Bidder's Eligibility and qualifications**

1.13.1 The bidder shall furnish, as part of its bid, documents establishing the bidders' eligibility to bid and its qualification to perform the contract if its bid is accepted.

1.13.2 The documentary evidence of the bidders qualification to perform the contract if the bid is accepted shall establish to the purchasers satisfaction that;

- (a) The bidder meets the qualification criteria listed in bidding documents, if any.
- (b) Bidder that doesn't manufacture the goods it offers to supply shall submit to Manufacturers' Authorization Form (MAF) using the form specified in the bidding document to demonstrate that it has been duly authorized by the manufacturer of the goods to quote and/or supply the goods.
- (c) In case a bidder not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.

1.13.3 Conditional tenders shall not be accepted

#### **1.14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents**

1.14.1 To establish the goods' eligibility, the documentary evidence of the goods and services eligibility shall consist of a statement on the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment.

1.14.2 To establish the conformity of the goods and services to the specifications and schedule of requirements of the bidding document, the documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data, and shall consist of:

- (a) A detailed description of the essential technical and performance characteristics of the goods;
- (b) A list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods during the warranty period following commencement of the use of the goods by the Purchaser in the Priced- bid ; and
- (c) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

1.14.3 For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standards for workmanship, material and equipment, designated by the Purchaser in its Technical

Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute these in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

### **1.15. Bid Security**

- 1.15.1 The Bidder shall furnish, as part of its bid, a bid security (BS) for an amount as specified in the Invitation for Bids. In the case of foreign bidders, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders, the BS shall be submitted by the manufacturer or their specifically authorized dealer/bidder.
- 1.15.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture.
- 1.15.3 The bid security shall be in Indian Rupees for offers received for supply within India and denominated in the currency of the bid or in any freely convertible foreign exchange in the case of offers received for supplies from foreign countries in equivalent Indian Rupees. The bid security shall be in one of the following forms at the bidders' option:
- (a) A bank guarantee issued by a Nationalized/Scheduled bank/Foreign Bank operating in India in the form provided in the bidding documents and valid for 45 days beyond the validity of the bid. In case a bidder desires to submit a BG issued from a foreign bank, then the same should be confirmed by a Nationalised/Scheduled Indian bank; or
  - (b) Fixed Deposit receipt pledged in favor of the Purchaser
  - (c) A Banker's cheque or demand draft in favour of the purchaser issued by any Nationalised/Scheduled Indian bank.
- 1.15.4 The bid security shall be payable promptly upon written demand by the purchaser in case the conditions listed in the ITB clause 15.11 are invoked.
- 1.15.5 The bid security should be submitted in its original form. Copies shall not be accepted.
- 1.15.6 The bid security of unsuccessful bidder will be discharged /returned as promptly as possible positively within a period of 15 days after the expiration of the period of bid validity or placement of order whichever is later, without any interest.
- 1.15.7 The successful Bidder's bid security will be discharged upon the Bidder furnishing the performance security, without any interest. Alternatively, the BS could also be adjusted against PS, if it is paid through DD/BC.
- 1.15.8 The firms registered with DGS&D, NSIC, Govt. Public Undertakings, Central Autonomous Bodies and with the CSIR Labs./Instts, if any, are exempted from payment of BS provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies.
- 1.15.9 In case a bidder intimates at the time of tender opening in writing that the bid security is kept inside the financial bid, then in such cases, the technical bid of the party would be accepted provisionally till opening of the financial bids with which the party has attached the bid security.
- 1.15.10 The bid security may be forfeited:
- (a) If a Bidder withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder on the Bid Form; or
  - (b) In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 15 days of the order or fails to sign the contract and/or fails to furnish Performance Security within 21 days from the date of contract/ order.

### **1.16 Period of Validity of Bids**

- 1.16.1 Bids shall remain valid for minimum of 90 days after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 1.16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by cable, telex, fax or e-mail). The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.
- 1.16.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

#### **1.17. Format and Signing of Bid**

- 1.17.1 The bids may be submitted in single envelop or in two parts as specified in the Invitation for Bids.
- 1.17.2 In case the bids are invited on single envelop basis, then the Bidder shall prepare two copies of the bid, clearly marking each "Original Bid" and "Copy Bid", as appropriate. In the event of any discrepancy between them, the original shall govern.
- 1.17.3 In case the bids are invited on two-bid system, the Bidder shall submit the bids in two separate parts. One part shall contain Technical bid comprising all documents listed under clause relating to Documents Comprising the Bid excepting bid form and price schedules. The other part shall contain the priced-bid comprising bid form and price-schedules. The Bidder shall prepare two copies of the bid, clearly marking each "Original Bid" and "Copy Bid", as appropriate.
- 1.17.4 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.
- 1.17.5 Any interlineations, erasures or overwriting shall be valid only if they are initialed by the persons or persons signing the bid. Submission and sealing of Bids

#### **Submission and Sealing of Bids**

#### **1.18. Submission, Sealing and Marking of Bids**

- 1.18.1 The bidders may submit their duly sealed bids generally by post or by hand.
- 1.18.2 In the case of bids invited on single envelop basis, the Bidders shall seal the original and each copy of the bid in separate inner envelopes, duly marking the envelopes as "original" and "copy". The envelopes shall then be sealed in an outer envelop.

As far as possible, the tenders may please be sent in compressed form for easy handling.

- 1.18.3 In the case of bids invited on two part basis, the Bidder shall seal the un-priced commercial and technical bid comprising the documents as listed in ITB 1.9.1 excepting for h & j and the priced bid in two separate envelopes duly marked as "Technical bid" and "priced bid". Both the envelopes shall then be sealed in one outer envelope.

#### **1.18.4**

- (a) The inner and outer envelopes shall be addressed to the Purchaser indicated in the SCC.
- (b) Bear the name and address of the bidder, Tender No., due date and a warning "Do not open before \_\_\_\_\_" to be completed with the time and date as specified in the invitation for bids.

- 1.18.5 If the outer envelope is not sealed and marked as required above, the Purchaser will assume no responsibility for the bid's misplacement or premature opening. In such cases, bids received in open condition within the due date and time will be accepted at the risk of the bidder if the same is presented to the Stores & Purchase Officer before expiry of the due date and time of opening of the bids.
- 1.18.6 Firms submitting bids in a single envelope against the requirement of two-bid system would be considered for further evaluation at the risk & responsibility of the bidder.

#### **1.19. Deadline for Submission of Bids**

- 1.19.1 Bids must be received by the Purchaser at the address specified in Invitation for bids not later than the time and date specified therein. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received upto the appointed time on the next working day.
- 1.19.2 The Purchaser may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with Clause relating to Amendment of Bidding Documents in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

#### **1.20. Late Bids**

- 1.20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser will be rejected.

#### **1.21. Withdrawal, substitution and Modification of Bids**

- 1.21.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 18 duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause 17.4 (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
- (a) submitted in accordance with ITB Clauses 17 and 18 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION;" and
  - (b) Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 19.
- 1.21.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 21.1 shall be returned unopened to the Bidders. No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form or any extension thereof.
- 1.21.3 Buyback Items: The items can be quoted on buyback basis also wherever opted in tender. In such case, the supplier should make their own arrangement for lifting the item at their own cost and risk. However, the buyback price of the traded item should be mentioned separately in the tender. The Director reserves the right to not to trade.

### **Opening and Evaluation of Bids**

#### **1.22 Opening of Bids by the Purchaser**

1.22.1 The Purchaser will open all bids one at a time in the presence of Bidders' authorized representatives who choose to attend, as per the schedule given in invitation for bids. The Bidders' representatives who are present shall sign the quotation opening sheet evidencing their attend. In the event of the specified date of Bid opening being declared a holiday for the Purchaser, the Bids shall be opened at the appointed time and location on the next working day. In two-part bidding, the financial bid shall be opened only after technical evaluation.

1.22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bid(s). The contents of the bid forms and price schedules would however be announced only at the time of opening of Priced-bids in the case of two-bid system.

By and large the following details only will be read out at the time of opening.

(a) Tender No., (b) Name of the firms, (c) Description of the item quoted/to be purchased, (d) price, (e) whether the price is inclusive of taxes and duties or exclusive (f) discount offered (g) Delivery schedule (h) Any other extra charges quoted for packing, transport, etc.(i) Terms of delivery, (j) Warranty obligations.

1.22.3 Bids that are received late shall not be considered further for evaluation, irrespective of the circumstances.

1.22.4 Bidders interested in participating in the bid opening process, should depute their representatives along with an authority letter to be submitted to the purchaser at the time of bid opening.

### **1.23. Confidentiality**

1.23.1 Information relating to the examination, evaluation, comparison, and post qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.

1.23.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post qualification of the bids or contract award decisions may result in the rejection of its Bid.

### **1.24. Clarification of Bids**

1.24.1 To assist in the examination, evaluation, comparison and post qualification of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid.

### **1.25. Preliminary Examination**

1.25.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 1.9 have been provided, and to determine the completeness of each document submitted.

1.25.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.

(a) Bid Form and Price Schedule, in accordance with ITB Sub-Clause 1.10;

(b) All the tenders received will first be scrutinized to see whether the tenders meet the basic requirements as incorporated in the tender enquiry document. The tenders, who do not the meet the basic requirements, are to be treated as unresponsive and ignored. The following are some of the important points, for which a tender may be declared as unresponsive and to be ignored, during the initial scrutiny, at the discretion of the organization:-

- (i) The Bid is unsigned.
- (ii) The Bidder is not eligible.
- (iii) The Bid validity is shorter than the required period.
- (iv) The Bidder has quoted for goods manufactured by a different firm without the required authority letter from the proposed manufacturer.
- (v) Bidder has not agreed to give the required performance security.
- (vi) The goods quoted are sub-standard, not meeting the required specification etc.
- (vii) Against the schedule of Requirement (incorporated in the tender enquiry), the tenderer has not quoted for the entire requirement as specified in that schedule.
- (viii) The tenderer has not agreed to some essential condition(s) incorporated in the tender enquiry.
- (ix) Not quoted for packing, forwarding, freight, transportation, insurance charges and the like.

#### **1.26. Non-Conformity, Error and Omission**

1.26.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

1.26.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify non-material nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

1.26.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

1.26.4 Provided that a bid is substantially responsive, the purchaser may request that a bidder may confirm the correctness of arithmetic errors as done by the purchaser within a target date. In case, no reply is received then the bid submitted shall be ignored and its Bid Security may be forfeited.

#### **1.27. Examination of Terms & Conditions, Technical Evaluation**

1.27.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.

1.27.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 14, to confirm that all requirements specified in Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

1.27.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 26, it shall reject the Bid.

#### **1.28. Conversion to Single Currency**

1.28.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to Indian Rupees at the selling exchange rate established by any bank in India as notified in the Newspapers on the date of bid opening in the case of single part bidding and the rates prevalent on the date of opening of the Priced bids in the case of two-part bidding. For this purpose, exchange rate notified in [www.xe.com](http://www.xe.com) or [www.rbi.org](http://www.rbi.org) or any other website could also be used by the purchaser.

#### **1.29. Evaluation and comparison of bids**

1.29.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.

1.29.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be permitted.

1.29.3 The bids shall be evaluated on the basis of final landing cost which shall be arrived as under:

##### ***For goods manufactured in India.***

- (i) The price of the goods quoted ex-works including all taxes already paid.
- (ii) VAT and other taxes like excise duty etc. which will be payable on the goods if the contract is awarded.
- (iii) Charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination.
- (iv) The installation, commissioning and training charges including incidental services, if any.

##### **For goods manufactured abroad**

- (i) The price of the goods, quoted on FCA (named place of delivery abroad) or FOB (named port of shipment), as specified in the bidding document.
- (ii) The charges for insurance and transportation of the goods to the port/place of destination.
- (iii) The agency commission etc., if any.
- (iv) The installation, commissioning and training charges including incidental services, if any.

1.29.4 The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However, the CIF/CIP prices quoted by any foreign bidder shall be loaded further as under:

- a) Towards customs duty and other statutory levies—as per applicable rates.
- b) Towards custom clearance, inland transportation etc. - 2% of the CIF/CIP value.

**Note: Where there is no mention of packing, forwarding, freight, insurance charges, taxes etc. such offers shall be rejected as incomplete.**

1.29.5 In the case of Purchase of many items against one tender, which are not inter- dependent or, where compatibility is not a problem, normally the comparison would be made on ex-works, ( in case of indigenous items) and on FOB / FCA (in the case of imports) prices quoted by the firms for identifying the lowest quoting firm for each item.

1.29.6 Orders for imported stores need not necessarily be on FOB/FCA basis rather it can be on the basis of any of the incoterm specified in ICC Incoterms 2000 as may be amended from time to time by the ICC or any other designated authority and favorable to CSIR Labs/Institutes or Headquarters.

1.29.7 Wherever the price quoted on FOB/FCA and CIF/CIP basis are the same, the Contract would be made on CIF / CIP basis only.

1.29.8 The GCC and the SCC shall specify the mode of transport i.e whether by air/ ocean/road/rail.

### **1.30. Contacting the Purchaser**

1.30.1 Subject to ITB Clause 1.24, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

1.30.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

### **1.31. Post qualification**

1.31.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.

1.31.2 The determination will take into account the eligibility criteria listed in the bidding documents and will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.

1.31.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid.

### **1.32. Purchaser's right to vary Quantities at Time of Award**

1.32.1 The Purchaser reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions. Further, at the discretion of the purchaser, the quantities in the contract may be enhanced by 30% within the delivery period.

### **1.33. Purchaser's right to accept Any Bid and to reject any or All Bids**

1.33.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders, as the case may be.

1.33.2 Until a formal contract is executed, the notification of award constitutes a binding contract.

1.33.3 No work of any kind to be commenced without proper execution of contract.

### **1.34. Signing of Contract**



1.34.1 Promptly after notification, the Purchaser shall send the successful Bidder the Agreement/PO.

1.34.2 Within twenty-one (21) days of date of the Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.

### **1.35. Order Acceptance**

1.35.1 The successful bidder should submit Order acceptance within 15 days from the date of issue, failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited pursuant to clause 15.9 of ITB.

### **1.36. Performance Security**

1.36.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish performance security in the amount specified in SCC, valid till 60 days after the warranty period. Alternatively, the PS may also be submitted at the time of release of final payment in cases where part payment is made against delivery & part on installation. The PS, where applicable, shall be submitted in advance for orders where full payment is to be made on Letter of Credit (LC) or on delivery. In this case, submission of PS at the time of negotiation of documents through Bank would be stipulated as a condition in the LC and the BS should be kept valid till such time the PS is submitted..

1.36.2 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries.

1.36.3 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.

1.36.4 The Performance security shall be in one of the following forms:

- (a) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India or a Foreign bank with preferably its operating branch in India in the form provided in the bidding documents. Or
- (b) A Banker's cheque or Account Payee demand draft in favour of the purchaser. Or,
- (c) A Fixed Deposit Receipt pledged in favour of the Purchaser.

1.36.5 The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise in SCC, without levy of any interest.

1.36.6 In the event of any contract amendment, the supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.

## CONDITIONS OF CONTRACT

**A. GENERAL CONDITIONS OF CONTRACT**

## Table of Contents

<b>Sl. No.</b>	<b>Clause</b>
2.1.	Definitions
2.2.	Contract Documents
2.3.	Fraud and Corruption
2.4.	Joint Venture, Consortium or Association
2.5.	Scope of Supply
2.6.	Suppliers' Responsibilities
2.7.	Contract price
2.8.	Copy Right
2.9.	Application
2.10.	Standards
2.11.	Use of Contract Documents and Information
2.12.	Patent Indemnity
2.13.	Performance Security
2.14.	Inspections and Tests
2.15.	Packing
2.16.	Delivery and Documents
2.17.	Insurance
2.18.	Transportation
2.19.	Incidental Services
2.20.	Spare Parts
2.21.	Warranty
2.22.	Terms of Payment
2.23.	Change Orders and Contract Amendments
2.24.	Assignment
2.25.	Subcontracts
2.26.	Extension of time
2.27.	Penalty Clause
2.28.	Termination for Default
2.29.	Force Majeure
2.30.	Termination for insolvency
2.31.	Termination for Convenience
2.32.	Settlement of Disputes
2.33.	Governing Language
2.34.	Applicable Law
2.35.	Notice
2.36.	Taxes and Duties
2.37.	Right to use Defective Goods
2.38.	Protection against Damage
2.39.	Site preparation and installation

## **2.1. Definitions**

2.1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- (d) “Day” means calendar day.
- (e) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) “GCC” means the General Conditions of Contract.
- (g) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (h) “Related Services” means the services incidental to the supply of the goods, such as transportation, insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (i) “SCC” means the Special Conditions of Contract.
- (j) “Subcontractor” means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (k) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (l) The “Council” means the Council of Scientific & Industrial Research (CSIR), registered under the Societies Registration Act, 1860 of the Govt. of India having its registered office at 2, Rafi Marg, New Delhi-110001, India and the “Purchaser” means Director, Institute of Minerals & Materials Technology, Bhubaneswar – 751 013.
- (m) “The final destination,” where applicable, means the place named in the SCC.

## **2.2. Contract Documents**

2.2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

## **2.3 Fraud and Corruption**

2.3.1 The purchaser requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

(a) the terms set forth below are defined as follows:

- (i) "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
  - (ii) "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
  - (iii) "Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Borrower, designed to establish bid prices at artificial, noncompetitive levels; and
  - (iv) "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
- (b) the purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;

## 2.4 Joint Venture, Consortium or Association

2.4.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

## 2.5. Scope of Supply

2.5.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

The competent authority is authorized to accept or reject any quote on supply without assigning any reasons thereof.

## 2.6. Suppliers' Responsibilities

2.6.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with Scope of Supply Clause of the GCC, and the Delivery and Completion Schedule, as per GCC Clause relating to delivery and document.

## 2.7 Contract price

2.7.1 Prices charged by the Supplier for the Goods supplied and the Related Services perform under the Contract shall not vary from the prices quoted by the Supplier in its bid.

All supplies of foreign are governed by INCOTERMS as amended/modified from time to time

## 2.8 Copy Right

- 2.8.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party

## **2.9. Application**

- 2.9.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

## **2.10. Standards**

- 2.10.1 The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications and Schedule of Requirements, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

## **2.11. Use of Contract Documents and Information**

- 2.11.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.
- 2.11.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated above except for purposes of performing the Contract.
- 2.11.3 Any document, other than the Contract itself, enumerated above shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

## **2.12. Patent Indemnity**

- 2.12.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 12.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:
- (a) the installation of the Goods by the Supplier or the use of the Goods in India; and
  - (b) the sale in any country of the products produced by the Goods.
- 2.12.2 If any proceedings are brought or any claim is made against the Purchaser, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

## **2.13 Performance Security**

- 2.13.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish performance security in the amount specified in SCC, valid till 60 days after the warranty period. Alternatively,

the PS may also be submitted at the time of release of final payment in cases where part payment is made against delivery & part on installation. The PS, where applicable, shall be submitted in advance for orders where full payment is to be made on Letter of Credit (LC) or on delivery. In this case, submission of PS at the time of negotiation of documents through Bank would be stipulated as a condition in the LC and the BS should be kept valid till such time the PS is submitted.

- 2.13.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 2.13.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries.
- 2.13.4 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.
- 2.13.5 The Performance security shall be in one of the following forms:
- (a) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India or a bank located abroad in the form provided in the bidding documents. Or
  - (b) A Banker's cheque or Account Payee demand draft in favour of the purchaser. Or,
  - (c) A Fixed Deposit Receipt pledged in favour of the Purchaser.
- 2.13.6 The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise in SCC, without levy of any interest.
- 2.13.7 In the event of any contract amendment, the supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.

## **2.14. Inspections and Tests**

- 2.14.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC or as discussed and agreed to during the course of finalization of contract.
- 2.14.2 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Technical Specifications and SCC shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.
- 2.14.3 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.
- 2.14.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

- 2.14.5 Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 2.14.6 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- 2.14.7 The Supplier shall provide the Purchaser with a report of the results of any such test and /or inspection.
- 2.14.8 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/ Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

## **2.15. Packing**

- 2.15.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 2.15.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser.

## **2.16. Delivery and Documents**

- 2.16.1 Delivery of the Goods and completion and related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 2.16.2 The terms FOB, FCA, CIF, CIP etc shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of commerce, Paris.
- 2.16.3 The mode of transportation shall be as specified in SCC.

## **2.17. Insurance**

- 2.17.1 Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in SCC.
- 2.17.2 Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary and initiate & pursue claims till settlement, on the event of any loss or damage.

- 2.17.3 Where delivery is on FOB or FCA basis, insurance would be the responsibility of the purchaser. However, if the delay was caused by Indian Agent on any account after receipt of item at IMMT, the Indian Agent shall be directly responsible for any loss sustained by IMMT.
- 2.17.4 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

## **2.18. Transportation**

- 2.18.1 Where the Supplier is required under the Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price.
- 2.18.2 Where the Supplier is required under the Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 2.18.3 In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, as specified in the Contract, shall be arranged by the Supplier, and the related costs shall be included in the Contract Price.

## **2.19. Incidental Services**

- 2.19.1 The supplier may be required to provide any or all of the services, if any, specified in SCC.
- 2.19.2 For imported items, while unpacking the items the presence of Indian Agent is desirable.

## **2.20. Spare Parts**

- 2.20.1 The Supplier shall be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
- (a) Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
  - (b) In the event of termination of production of the spare parts:
    - (i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
    - (ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

## **2.21. Warranty**



- 2.21.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 2.21.2 The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
- 2.21.3 **Unless otherwise specified in the Specification/SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 2.21.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof.. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 2.21.5 Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 2.21.6 If having been notified, the Supplier fails to remedy the defect within the reasonable period of time, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 2.21.7 Goods requiring warranty replacements must be replaced on free of cost basis to the purchaser.

## **2.22. Terms of Payment**

- 2.22.1 The method and conditions of payment to be made to the Supplier under this Contract shall be as specified in the SCC.
- 2.22.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to Delivery and document Clause of the GCC and upon fulfillment of other obligations stipulated in the contract.

## **2.23. Change Orders and Contract Amendments**

- 2.23.1 The Purchaser may at any time, by written order given to the Supplier pursuant to Clause on Notices of the GCC make changes within the general scope of the Contract in any one or more of the following:
- (a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
  - (b) The method of shipping or packing;
  - (c) The place of delivery; and/or
  - (d) The Services to be provided by the Supplier.
  - (e) The delivery schedule.

2.23.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within fifteen (15) days from the date of the Supplier's receipt of the Purchaser's change order.

2.23.3 No variation or modification in the terms of the contract shall be made except by written amendment signed by the parties.

#### **2.24. Assignment**

2.24.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

#### **2.25. Subcontracts**

2.25.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or duties or obligation under the Contract.

#### **2.26. Extension of time**

2.26.1 Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser.

2.26.2 If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract.

2.26.3 Except as provided under the Force Majeure clause of the GCC, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause of the GCC unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.

#### **2.27. Penalty clause**

2.27.1 Subject to GCC Clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services or contract value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause on

Termination for Default. The SCC shall also indicate the basis for ascertaining the value on which the penalty shall be applicable.

#### **2.28. Termination for Default**

2.28.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part

- (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause on Extension of Time; or
- (b) If the Supplier fails to perform any other obligation(s) under the Contract.
- (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices as defined in GCC Clause on Fraud or Corruption in competing for or in executing the Contract.

2.28.2 In the event the purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action:

- a) The Performance Security is to be forfeited;
- b) The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.
- c) however, the supplier shall continue to perform the contract to the extent not terminated.

## **2.29. Force Majeure**

2.29.1 Notwithstanding the provisions of GCC Clauses relating to extension of time, penalty and Termination for Default the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

2.29.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

2.29.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

2.29.4 If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

## **2.30. Termination for Insolvency**

2.30.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

## **2.31. Termination for Convenience**

2.31.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

2.31.2 The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) To have any portion completed and delivered at the Contract terms and prices; and/or
- (b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

## **2.32. Settlement of Disputes**

2.32.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

2.32.2 If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. .

2.32.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

- (a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director General, Council of Scientific & Industrial Research and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- (b) in the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration In accordance with provision of sub-clause(a)above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

2.32.4 The venue of the arbitration shall be the place from where the purchase order or contract is issued.

2.32.5 Notwithstanding any reference to arbitration herein,

- (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) The Purchaser shall pay the Supplier any monies due the Supplier.

## **2.33. Governing Language**

2.33.1 The contract shall be written in English language which shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the English language only.

#### **2.34. Applicable Law**

2.34.1 The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction as specified in SCC.

#### **2.35. Notices**

2.35.1 Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX, e-mail or and confirmed in writing to the other party's address specified in the SCC.

2.35.2 A notice shall be effective when delivered or on the notice's effective date, which ever is later.

#### **2.36. Taxes and Duties**

2.36.1 For goods manufactured outside India, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside India.

2.36.2 For goods Manufactured within India, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred till its final manufacture/production.

2.36.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in India, the Purchaser shall make its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

#### **2.37. Right to use Defective Goods**

2.37.1 If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

#### **2.38. Protection against Damage**

2.38.1 The system shall not be prone to damage during power failures and trip outs. The normal voltage and frequency conditions available at site as under:

a) Voltage 230 volts – Single phase/ 415 V 3 phase (+\_ 10%)

b) Frequency 50 Hz.

#### **2.39. Site preparation and installation**

The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of award/contract.

## **Special conditions of contract (SCC)**

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 2.1(l) The Purchaser is:     The Director  
  Institute of Minerals & Materials Technology (CSIR)  
  Bhubaneswar-13.

GCC 2.1 (m) The Final Destination is : The Director  
  Institute of Minerals & Materials Technology (CSIR)  
  Bhubaneswar-13.

GCC 2.13.1 The amount of the Performance Security shall be: 10% ( Ten Percent ) of contract value

GCC 2.14.1 The Inspection and Tests prior to shipment of Goods and at final acceptance are as follows

After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturer's test certificate with data sheet shall be issued to this effect and submit along with the delivery documents. The purchaser reserves the options to be present at the supplier's premises during such inspection and testing.

The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified.

In the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.

Successful conduct and conclusion of the acceptance test for the installed goods and equipments shall also be the responsibility and at the cost of the Supplier.

Before the goods and equipments are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the goods and equipments built. These shall be in such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications.

The Manuals and Drawings shall be in the ruling language (English) and in such form and numbers as stated in the Contract.

Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purposes of taking over until such Manuals and Drawing have been supplied to the Purchaser.

On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the equipment.

GCC 2.15.2 The marking and documentation within and outside the packages shall be:

- a) Each package should have a packing list within it detailing the part No.(s), description, quantity etc.
- b) Outside each package, the contract No., the name and address of the purchaser and the final destination should be indicated on all sides and top.
- c) Each package should be marked as 1/x, 2/x, 3/x.....x/x, where “x” is the total No. of packages contained in the consignment.
- d) All the sides and top of each package should carry an appropriate indication/label/stickers indicating the precautions to be taken while handling/storage.

GCC 2.16.1 Details of Shipping and other Documents to be furnished by the Supplier are

**For Goods manufactured within India**

Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by registered post / speed post and copies thereof by FAX.

- a) Two copies of Supplier’s Invoice indicating, inter-alia description and specification of the goods, quantity, unit price, total value;
- b) Packing list;
- c) Certificate of country of origin;
- d) Insurance certificate, if required under the contract;
- e) Railway receipt/Consignment note;
- f) Manufacturer’s guarantee certificate and in-house inspection certificate;
- g) Inspection certificate issued by purchaser’s inspector, if any and
- h) Any other document(s) as and when required in terms of the contract.

Note:

- 1. The nomenclature used for the item description in the invoices(s), packing list(s) and the Delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s).
- 2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses

(xvii) For Goods manufactured abroad

Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by Registered Post/courier/e-mail and copies thereof by FAX.

(xviii) Two copies of supplier’s Invoice giving full details of the goods including quantity, value, etc.;

(xix) Packing list;

(xx) Certificate of country of origin;

(xxi) Manufacturer’s guarantee and Inspection certificate;

- e) Inspection certificate issued by the Purchaser's Inspector, if any;
- f) Insurance Certificate, if required under the contract;
- g) Name of the Vessel/Carrier;
- h) Bill of Lading/Airway Bill, as the case may be
- (xxii) Port of Loading;
- j) Date of Shipment;
- k) Port of Discharge & expected date of arrival of goods and
- l) Any other document(s) as and when required in terms of the contract.

Note:

1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s).
2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses

GCC 2.16.3 In case of supplies from within India, the mode of transportation shall be by Road

In case of supplies from abroad, the mode of transportation shall be by Air.

GCC 2.17.1 The Insurance shall be for an amount equal to 110% of the CIF or CIP value of the contract from within "warehouse to warehouse (final destination)" on "all risk basis" including strikes, riots and civil commotion.

GCC 2.19.1 The incidental services to be provided are as in specification.

GCC 2.21.3 The period of validity of the Warranty shall be as mentioned with the respective items.

2.22.1 The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

**Payment for Goods supplied from abroad:**

Payment of foreign currency portion shall be made in ( ) [currency of the Contract Price] in the following manner:

(xxiii) On Shipment: 80 % ( Eighty percent) of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit opened in favor of the Supplier in a bank in its country, upon submission of documents specified in GCC Clause 2.16.

(xxiv) On Acceptance: 20 % ( Twenty percent ) of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods and successful installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance security.



The L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. All bank charges abroad shall be to the account of the beneficiary i.e. supplier and all bank charges in India shall be to the account of the opener i.e. purchaser. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The LC for 100% value of the contract shall be established after deducting the agency commission payable if any, to the Indian agent from the FOB/FCA value.

**Payment for Goods and Services supplied from India:**

Payment for Goods and Services supplied from within India shall be made in Indian Rupees, as follows:

(xxv) 100% (Hundred percent) of the Contract Price shall be paid on receipt of the Goods on acceptance, satisfactory installation & commissioning within thirty (30) days after date of the acceptance certificate issued by the purchaser subject to submission of performance security, if any. **Since it is a turn key project and the payment term will be discussed with the prospective bidders in the pre-bid conference. Thereafter will be finalized and the percentage of payment may be made in advance against equivalent bank guarantee.**

**GCC 2.27.1 The penalty shall be:** @ of 0.5 (half percent) of contract value per week subject to maximum of ten weeks per week towards the later delivery and 0.2% (Zero point two percent) of contract value per day subject to maximum of 42 days towards delay in installation and commissioning and thereafter CSIR/IMMT holds the option to cancel the contract and forfeit the entire Performance Bank Guarantee of the defaulting Supplier which may include the deposit made against other deliveries.

In the event of any replacement of defective equipments during warranty period. The same should GCC 2.27.1 be made within seven days from the date of notice of defect failing which a penalty of Rs.500/- per day shall be levied from the date of notice of defect till the date replacement is made.

If any system is down beyond 72 (Seventy-two) hours, penalty will be charged per hour per system @ 1.0% (One percent) of the equipment value subject to maximum of 5% value of the system for that location.

Cumulative Penalty amount on the half-yearly basis must be deposited by the supplier to CSIR/IMMT in the form of Bank Draft/Pay Order within 30(thirty) days of receiving such intimation for recovery from CSIR/IMMT.

GCC 2.34.1 For notices, the Purchaser's address is

The Director

Institute of Minerals & Materials Technology

Bhubaneswar, - 751 013, ODISHA

Tel: 0674-2379513/9393/9258

E-mail: spo@immt.res.in

### **Price Schedule Forms**

This format may be drawn by the Suppliers as per the tender requirements. However an indicative structure of the Price Schedule Forms is provided hereunder for reference.

#### **Table of Contents**

Sl. No.	Clause
5.1.	Price schedule for Goods being offered from abroad
5.2.	Price schedule for Goods offered from India

# PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD

Name of the Bidder ..... TENDER No.....

1	2	3	4	5	6		7		8		9
Sl. No.	Item Description	Country of origin	Unit	Quantity	Unit Price		Total Price (5x6)		Charges for insurance & transportation to port/place of destination		Total Price (7+8) CIF
					FOB (Name d port of shipment )	FCA (name d place of delivery )	FOB (Nam e d port of shipm ent)	FCA (named place of delivery )	Ocean	Air	

Total Bid price in Foreign Currency: .....

Note:

- Indian Agents name & Address \_\_\_\_\_
- Installation, Commissioning & training charges, if any \_\_\_\_\_
- Cost of Spares \_\_\_\_\_
- The Indian Agents commission shall be paid in Indian rupees only based on the Exchange rate prevailing on the date of negotiation of documents in accordance with clause 22.1 of GCC
- The cost of optional items shall be indicated separately

Signature of the Bidder

Name

Business Address

# PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA

Name of the Bidder ..... TENDER No.....

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country of origin	Unit	Quantity	Ex-works, Ex-warehouse, Ex-showroom of the shelf price (inclusive of all taxes already paid)	Total Price Ex-works, Ex-warehouse, Ex-showroom of the shelf price (inclusive of all taxes already paid) 5 x 6	VAT & other taxes like excise duty payable, if contract is awarded	Packing & Forwarding upto station of dispatch, if any	Charges for inland transportation, insurance up to Lab/Inst.	Installation , Commissioning and training charges, if any

Total Bid price in Indian Currency..... in words

Signature of the bidder

Name

Business Address

Note:

(a) The cost of optional items shall be indicated separately.

(b) Cost of Spares .....

## Contract form

Contract No. \_\_\_\_\_ Date: \_\_\_\_\_

THIS CONTRACT AGREEMENT is made

the [ insert: number ] day of [ insert: month ], [ insert: year ].

BETWEEN

- (1) The Council of Scientific & Industrial Research registered under the Societies Registration Act 1860 of the Government of India having its registered office at 2, Rafi Marg, New Delhi-110001, India represented by IMMT, Bhubaneswar – 751 013 [ insert complete name and address of Purchaser (hereinafter called “the Purchaser”), and
- (2) [ insert name of Supplier ], a corporation incorporated under the laws of [ insert: country of Supplier ] and having its principal place of business at [ insert: address of Supplier ] (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., [insert brief description of Goods and Services] and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures, expressed in the Contract currency(ies) ] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:
  - (a) This Contract Agreement
  - (b) Special Conditions of Contract
  - (c) General Conditions of Contract
  - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
  - (e) The Supplier’s Bid and original Price Schedules
  - (f) The Purchaser’s Notification of Award
  - (g) [Add here any other document(s)]

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Union of India on the day, month and year indicated above.

For and on behalf of the Council of Scientific & Industrial Research

Signed: [insert signature]

in the capacity of [ insert title or other appropriate designation ]

in the presence of [insert identification of official witness]

Signed: [insert signature]

in the capacity of [ insert title or other appropriate designation ]

in the presence of [insert identification of official witness]

For and on behalf of the Supplier

Signed: [insert signature of authorized representative(s) of the Supplier]

in the capacity of [ insert title or other appropriate designation ]

in the presence of [ insert identification of official witness]

## Other standard forms

### Table of Contents

Sl. No.	Name
1.	Bidder Information Form
2.	Manufacturers' Authorization Form
3	Bid Security Form
4.	Performance Statement Form
5.	Deviation Statement Form
6.	Service Support Detail Form
7.	Bid Form
8.	Performance Security Form
9.	Acceptance Certificate Form

## Bidder Information Form

- a) [The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number from Invitation for bids]

Page 1 of \_\_\_\_\_ pages

1. Bidder's Legal Name [insert Bidder's legal name]
2. In case of JV, legal name of each party: [insert legal name of each party in JV]
3. Bidder's actual or intended Country of Registration: [insert actual or intended Country of Registration]
4. Bidder's Year of Registration: [insert Bidder's year of registration]
5. Bidder's Legal Address in Country of Registration: [insert Bidder's legal address in country of registration]
(I) 6. Bidder's Authorized Representative Information
Name: [insert Authorized Representative's name] Address: [insert Authorized Representative's Address] Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers] Email Address: [insert Authorized Representative's email address]
7. Attached are copies of original documents of: [check the box(es) of the attached original documents]  Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2.

Signature of Bidder \_\_\_\_\_

Name \_\_\_\_\_

Business Address



## MANUFACTURERS' AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number from Invitation For Bids]

To: [insert complete name and address of Purchaser]

### WHEREAS

We [insert complete name of Manufacturer], who are official manufacturers of [insert type of goods manufactured], having factories at [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 21 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ [insert date of signing]

**PERFORMANCE STATEMENT FORM****(For a period of last 3 years)**

Name of the Firm.....

Order placed by (full address of purchaser)	Order No.and date	Description and Qty. of ordered equipment	Value of order	Date of completion of delivery as per Contract	Date of actual completion of delivery	Remark's indicating reasons for late delivery, if any	Has the equipment been installed Satisfactory? (Attach a certificate from the purchaser/Consignee)	Contract prson along with Tel.No.Faz. o. 7 e-mail address

Signature and Seal of the manufacturer / Bidder .....

Place:

Date:

## DEVIATION STATEMENT FORM

- 1) The following are the particulars of deviations from the requirements of the tender document and specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Place:

Date:

Signature and seal of the  
Manufacturer/Bidder

NOTE:

- 1) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

**SERVICE SUPPORT DETAIL FORM**

Sl. No.	Nature of Training Imparted	List of similar type Equipment serviced in the past 3 years	Address, Ph. No., Fax Nos. and e-mail address

Signature and Seal of the manufacturer/Bidder.....

Place:

Date:

## Bid Form

- a) [The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number from Invitation for Bids]

Invitation for Bid No.: [insert No of IFB]

To: [insert complete name of Purchaser]

We, the undersigned, declare that:

- a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: [insert the number and issuing date of each Addenda];
- b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services [insert a brief description of the Goods and Related Services];
- c) The total price of our Bid, excluding any discounts offered in item (d) below, is: [insert the total bid price in words and figures, indicating the various amounts and the respective currencies];
- d) The discounts offered and the methodology for their application are:

**Discounts:** If our bid is accepted, the following discounts shall apply. [Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]

- e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 20.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 24.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 41 and GCC Clause 13 for the due performance of the Contract;
- g) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: [insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity.]

Name of Recipient	Address	Reason	Amount
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

(If none has been paid or is to be paid, indicate "none.")

h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.

i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: [insert signature of person whose name and capacity are shown] In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name: [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ [insert date of signing]

# ACCEPTANCE CERTIFICATE FORM

No.

Dated:

M/s \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Sub: Certificate of commissioning of equipment (Computer/Server, etc.)

1. This is to certify that the equipment as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para 2).

The same has been installed and commissioned.

a) Contract No. \_\_\_\_\_ Date \_\_\_\_\_

b) Description of the equipment \_\_\_\_\_

c) Name of the consignee \_\_\_\_\_

d) Scheduled date of delivery of the consignment to the Lab./Instts. \_\_\_\_\_

e) Actual date of receipt of consignment by the Lab./Instts. \_\_\_\_\_

f) Scheduled date for completion of installation/commissioning \_\_\_\_\_

g) Actual date of completion of installation/commissioning \_\_\_\_\_

h) Penalty for late delivery (at Lab./Instts. level) Rs. \_\_\_\_\_

i) Penalty for late installation (at Lab./Instts. level Rs. \_\_\_\_\_

Details of accessories/items not yet supplied and recoveries to be made on that account:

Sl. No.	Description	Amount to be recovered
---------	-------------	------------------------

1. The acceptance test has been done to our entire satisfaction.

The supplier has fulfilled his contractual obligations satisfactorily

or

The supplier has failed to fulfill his contractual obligations with regard to the following:

(a).....

(b) .....

(c).....

(d).....

The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated at Sr. No. 3.

For Supplier

For Purchaser

Signature..... Signature.....

Name..... Name.....

Designation..... Designation.....

Name of the firm..... Name of the Lab./Instt.....

Date..... Date.....

## MODEL BANK GUARANTEE FORMAT FOR FURNISHING BID SECURITY (EMD)

Whereas ..... hereinafter called the “tenderer”)has submitted their offer dated..... for the supply of .....

(hereinafter called the “tender”) against the Purchaser’s tender enquiry No.....KNOW ALL MEN by these presents that

WE.....of ..... having our registered office at..... are bound unto ..... (hereinafter called the “Purchaser)in the sum of ..... for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this .....day of .....20 .....

### THE CONDITIONS OF THIS OBLIGATION ARE:

- 1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
  - a) If the tenderer fails to furnish the performance security for the due performance of the contract.
  - b) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the purchaser (CSIR/Lab) having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it is due to it owing the occurrence of one or both the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force upto and including 45 days after the period of tender validity and any demand in respect thereof should reach the bank not later than the above date.

Signature of the authorized officer of the bank

Name and designation of the officer

Seal, name and address of the Bank and address of the Branch.

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To,

.....

WHEREAS ..... (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no. .... dated .....to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of ..... (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the .... day of ....., 20.....

(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of the Branch