



ISG, Bangalore

TENDER Ref: BHEL-ISG/DHC-001

Date: 27. 04.2010

Notice inviting Tender for Pre tender tie-up for 7MTPA IRON ORE HANDLING PROJECT WITH DOWN HILL CONVEYOR SYSTEM & ITS ASSOCIATED SELF PROPELLED MAINTENANCE TROLLEYS for NMDC, Kumaraswamy, Package-II

1	Tender inviting Officer	S. Mani/Sr DGM (BG-II) Bharat Heavy Electricals Ltd. Industrial Systems Group P.B. No. 1249, IISc Post Malleswaram; BANGALORE 560 012. Ph. 080-22184126; e mail : sma@bhelisg.com
2	Scope of work	Design ,Engineering, Manufacture, Supply, fabrication of building structures & technological structures, loading, unloading, transportation, storage, security at site, insurance, erection & commissioning and demonstration of Performance Guarantee in an integrated manner for Conveyor system & structures along with Self Propelled Maintenance Trolley as detailed in the enclosed documents. Scope of Equipment as per Annexure-3.
3	Tender document available place	BHEL web site www.bhel.com , www.bhelisg.com and Government web site http://tenders.gov.in
4	Due date and time for submission of tender	08-05-2009 by 11.00 AM
5	Place of submission of tender :	ISG Tender box placed at the Reception of ISG & EPD at the following address: Bharat Heavy Electricals Limited Industrial Systems Group Opp. to Prof. CNR Rao Circle Malleswaram BANGALORE 560 012
6	Place of tender opening	Technical bid will be opened in CAMERA on 08-05-2010 at 12.00 PM at BHEL/ISG
7	Independent External Monitor identified for Integrity Pact	Shri Kanwarjit Singh IRS (Retd.) D 6/12 Vasant Vihar ,GF New Delhi 110057 Ph. +91 9868109389
8	Registration of the Bidder:	<p>The bidders , who are not already registered with BHEL/ISG, shall include the following information and documents with their bids and they should get registered as the Vendor . Vendor registration forms can be down loaded form BHEL/ISG web site, namely, www.bhelisg.com.</p> <p>I. Copies of original documents defining the constituent local status, place of registration, and principal place of business.</p>



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		<p>II. Total monetary value of turnover of a firm, each of the last ten years.</p> <p>III. Major Project executed in the last Three years.</p> <p>IV. Qualification & Experience in case of Indian Agency:</p> <p>Reports of the financial standing such as profit and loss account, balance sheet, information regarding any reputation in which the bidder is involved.</p>
9	Commercial Terms & Conditions	As per Annexure - 2
10	Amendment of the bidding documents	<p>Before the dead-line of submission of bids, the Employer may modify the bidding documents by issuing addendum.</p> <p>Any addendum such issued carry part of the bidding documents and this will be available at the web site from where the original documents have been received /Downloaded by the bidder.</p>
11	Language of the tender Submission of bids	Only in English
12	Sealing & marking of bids:	The tender shall be submitted for each items in three parts, Part-I , Part-II& Part- III Each shall be placed in an independent sealed envelope, each part shall be labelled as per Points 12,13 & 14 below.
13	<p><u>Part-I : Qualifying Requirement Envelope</u></p> <p>Refer: Annexure -1</p>	<p>Tender No.: BHEL-ISG/DHC-001 Date: 27. 04.2010</p> <p>Specification No.:</p> <p>Due date & time for Submission: 08-05-2010 by 11.00 AM</p> <p>This envelope shall consist of the following:</p> <ol style="list-style-type: none">1. Covering Letter2. Qualification documents mentioned in this NIT/ addendum.3. Documentary evidence of fulfilment of eligibility criteria.4. Latest income tax clearance certificate and sales tax clearance certificate.5. Duly filled in forms with supporting Documents for Vendor Registration with BHEL/ISG, for the bidders ,



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		<p>who are not already registered with BHEL/ISG,.</p> <p>6. Integrity pact signed by the vendor.</p> <p>Techno – commercial & Price bids of vendors qualifying with above criteria only, will be opened.</p>
13	<u>Part – II Techno-Commercial Tender Envelope</u>	<p>Tender No. : BHEL-ISG/DHC-001 Date: 27. 04.2010</p> <p>Specification No.:</p> <p>Due date & time for Submission:08-05-2010 by 11.00 AM</p> <ol style="list-style-type: none">1) Declaration of the Tenderer that this tender is without any technical and commercial deviations and if the deviations are there, they are as mentioned in the deviation format as per Specification.2) The complete tender document available on the web site shall be signed by the authorised signatory and should be enclosed in this cover.3) Full technical description of the items and services proposed by the Tenderer.4) Necessary catalogues, technical brochures and list of items which shall be part of the scope of this tie up.5) Details of manpower and Organization who execute this tie- up.6) Work methodology and plan.7) Confirmation of performance guarantee and liability period as mentioned in the tender.8) Confirmation of techno-commercial terms and conditions.9) Any other technical details.10) The technical tender envelope shall not contain schedule of price or any other price information. Any indication either direct or indirect shall cause outright disqualification of the tender document.11) The un-priced bid confirming quoting as per BOM,
14	<u>Price envelope</u> For Price Format Refer: Annexure -4	<p>Tender No. : BHEL-ISG/DHC-001 Date: 27. 04.2010</p> <p>Specification No.:</p> <p>Due date & time for Submission:08-05-2010 by 11.00 AM</p> <p>Price format as enclosed in the tender which are duly filled in and signed.</p> <p>Part-I, Part-II & Part – III shall be submitted together on the prescribed date mentioned in the web site.</p>



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Qualifying Requirement:

ANEXURE -1

Sl no	Area	Qualifying Requirement
1.0	The Bidder should fulfill the following eligibility criteria:	
1.1	General	<p>a) Documentary evidence such as attested copy of award letter / contract and also completion certificates / performance certificates of previous works executed by him giving name and address of clients, value of each of the works done, completion period, date of completion should be submitted by the Bidder</p> <p>b) The Bidder shall submit Audited Annual Financial Reports for last three (3) consecutive financial years in support of their meeting above stipulated financial requirements. The Bidder shall submit a certificate from Chartered Accountant, showing turn over for the last three (3) consecutive financial years, duly notarized in support of their financial requirements.</p>
1.2	Conveyors System & Structures	<p>The Tenderer should have engineered and associated in Commissioning the following in the last 15 years (Projects commissioned earlier to 31.12.1994 shall not be considered for evaluation):</p> <p>a) At least one long distance troughed belt conveyor of minimum 1500 tph capacity of at least 2.0 km length.</p> <p>b) At least one downhill re-generative</p>



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		<p>troughed belt conveyor of minimum (-) 800 kW (re-generative power) with all drives together.</p> <p>c) At least one troughed belt conveyor with horizontal curvature(s).</p> <p>Such systems should have been in satisfactory operation for a minimum period of 2 years (as on the due date of submission of Tender).</p> <p>Note: The vendors who have supplied the above conveyor systems but not possessing valid certificate for 800 KW (regenerative power system) <u>may also quote against this tender.</u></p> <p>The requirement of this stipulation (800KW regenerative power system) will be finalised before price bid opening and those offers not considered on this account will be returned back to the vendors.</p> <p>To meet this PQ criteria, following documents shall be furnished:</p> <p>Satisfactory completion / Commissioning certificate of the above works issued by Client/ Client's consultant clearly indicating the work order reference no. & date, name of the project/work & other relevant details.</p> <p>Certificate issued by client / clients establishing that such completed / commissioned system have been operating satisfactorily for a minimum period of two years. Cross references of work orders, its issue date & commissioning date shall be clearly indicated.</p>
		<p>The Tenderer should have engineered a conveyor gallery for carrying men & materials with triangular or rectangular cross section with a self propelled maintenance trolley</p>



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		<p>travelling along the gantry.</p> <p>Such a system should have been in satisfactory operation for a minimum period of 2 years (as on or before the due date of submission of tender).</p> <p>To meet this PQ criteria, following documents shall be furnished:</p> <p>Satisfactory completion / Commissioning certificate of the above work issued by Client/ Client's consultant clearly indicating the work order reference no. & date, name of the project/work & other relevant details.</p> <p>Certificate issued by client / clients establishing that such completed / commissioned system have been operated /operating satisfactorily for a minimum period of two years. Cross references of work orders, its issue date & commissioning date shall be clearly indicated.</p>
2.0	The bid will consist of three parts :	
2.1	PART - I	This part shall be marked as "QUALIFYING REQUIREMENT" and Shall not contain any price at all.
2.2	PART – II	This part shall be marked as "TECHNO-COMMERCIAL BID" and shall not contain any price at all and un-priced copy as per tender
2.3	PART – III	This part shall be marked as "PRICE BID" and shall contain prices only without any terms and conditions.



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Commercial Terms and Conditions

ANEXURE -2

Name of the Bidder	
Tender Ref. and Date	BHEL-ISG/DHC-001 Date: 01. 04.2010
Project	Pre tender tie-up for 7MTPA IRON ORE HANDLING PROJECT WITH DOWN HILL CONVEYOR SYSTEM & ITS ASSOCIATED SELF PROPELLED MAINTENANCE TROLLEYS for <u>NMDC, Kumaraswamy, Package-II</u>
Scope of Work	Design ,Engineering, Manufacture, Supply ,Erection & Commissioning of Mechanical and drive systems for Conveyor system & structures along with Self Propelled Maintenance Trolley as detailed in the enclosed documents

Sl No	BHEL Requirement	Vendor Acceptance / Remarks
1	All Commercial terms & conditions are on ' back to back ' basis in line with ultimate customer contract terms detailed in tender Ref : MEC/01/Q6DH/NMDC-KIOP/PKG-II/TD Rev. 0 JANUARY 2010 VOLUMES I TO V	
2	Validity: Vendor shall extend validity of MOU prices as required time to time inline with ultimate customer's requirement of BHEL's offer validity	
3	In the event of price reduction during negotiation by BHEL with the ultimate customer, corresponding reduction (i.e., on pro-rata basis with respect to vendor's price) shall be effected on to the vendor's MOU price	



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Sl No	BHEL Requirement	Vendor Acceptance / Remarks
4	BID BOND : 1% of the value of MOU price shall be furnished by the vendor through bank guarantee towards bid bond within 30 days of signing MOU	
5	Detailed item wise price break up shall invariably be furnished strictly in line with price format / BOQ along with Addition / Deletion / Takeoff prices	
6	<p>Price Bid opening:</p> <p>Vendor shall submit their most competitive offer.</p> <p>Price bids shall be opened in Camera.</p> <p>'L1' party would be decided based on competitive price bids received from vendors for the "Pre Tender tie-up"</p>	
7	Once vendor qualifies for entering in to MOU then the vendor shall refrain from quoting directly to ultimate customer, M/s NMDC for this package. The tie-up shall be exclusive with BHEL so that the vendors will not participate with other competitors	

Important Notes:

1. Deviations will not be accepted by BHEL. Bids with deviations will be rejected.
2. Vendor shall fill all the above columns by indicating "Yes" or "Deviations" and to sign with seal on all the pages of terms & specifications as token of acceptance
3. No prices to be filled in this format. All prices are to be filled up in the enclosed price bid format. Breakup prices shall be indicated As per price bid format
4. Unpriced bid to be enclosed with the techno commercial bid.



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Scope of Equipment

ANEXURE -3

Sl. No.	Description
A.	Mechanical
1	Down hill troughed Belt Conveyor BC - 723 with VFD
2	Belt conveyor BC-718
3	Belt conveyor BC-719
4	Belt Feeder BC-720 with VFD
5	Belt conveyor BC-721
6	Belt Feeder BC-725 with VFD
7	Belt conveyor BC-727
8	Belt conveyor BC-727-1
9	Belt conveyor BC-727-2
10	Extension and modification of Tripper conveyor -122
11	Belt weigh scale 718C
12	Belt weigh scale 721B
13	ILMS 718A
14	ILMS 720A
15	Metal Detector 719A
16	Metal Detector 721A
17	2 Nos of Travelling trolley
18	Rod gate at bottom of RCC silo
19	EOT Crane 722 - 15/5 ton double girder
20	EOT Crane 727B - 7.5 ton single girder
21	EOT Crane 723A - 5 ton Underslung
22	EOT Crane 723B - 5 ton Underslung
23	Hydraulic operated gates 724A
24	Electric Hoist 718B - TH1
25	Electric Hoist 719B - top of Silo
26	Electric Hoist 720B - TH2



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27	Electric Hoist 721C - TH2A
28	Electric Hoist 726A - TH3
29	Electric Hoist 726B - TH3
30	Electric Hoist 727A - TH5
31	Electric Hoist 727C - TH6
32	Manual Hoist for 15/5 ton EOT Crane - 722A
33	Manual Hoist 726- TH3
34	Belt monitoring system for BC-723
35	Belt rip protection system for BC-723
Note:	The belt conveyors shall include a) Belting b) Brakes, Gearbox, input and output couplings c) Idlers of all types b) Pulleys with plummer block and brgs c) Scrapers - Primary and secondary d) Skirt sealing arrangement e) Drive base frame f) Tail and bend frames g) Chutes and liners h) Take-up mechanicals i) Deck plates j) Hood for the conveyors, as applicable k) Stringer & Stringer Post
B.	Electrical
1	Motors for conveyors
2	VFDs for conveyors 723, 720, 725
3	Cables between above Motors and VFDs / Motor and JB
4	Safety switches - pull chord, belt sway and zero speed switches
5	Control cables for safety switches upto field Junction Box
C.	Structural work
1	Open Gantry for BC-723
2	Open/Enclosed Gantry for other conveyors
3	Transfer Towers, TH-1, TH-2, TH-2A, TH-3, TH-4, TH-5, TH-6



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4	Parking Stations PS-1 & PS-2
5	Drive House for BC-723
6	Transfer Station at existing tripper
7	Surge Hopper at TH-3
D.	Spares and Tools & Tackles
1	Commissioning Spares
2	Insurance Spares
3	Tools & Tackles
4	Consumables
5	Two (2) Years Maintenance Spares



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Price Format

Annexure-IV

SL. NO.	Description	Unit	Qty	Basic price	Service Tax		CESS		Total price
1	Design & Engineering as per Scope								
A	Conveyor system as per layout / system requirement and scope of work:								
1	Downhill troughed Belt Conveyor BC - 723 including technology structure and tubes & lines, deck plate, Safety Switches etc., as per scope.	Lot	1						
2	All Other Conveyors including technology structure and tubes & lines, deck plate, Safety Switches etc., as per scope.	Lot	1						
3	All other equipments like, ILMS, MD, Hoists, Cranes, Gates, etc., as per Scope	Lot	1						
B	Electrical as per Scope	Lot	1						
C	Structural	Lot	1						
I	Sub-Total for Design & Engineering (A+B+C)								



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SL. NO.	Description	Unit	Qty	Total Ex works price	ED	CST	CESS	Freight & Insurance	Total FOR site price
2	Manufacture & Supply of Equipment as per Scope								
A	Conveyor system as per layout / system requirement and scope of work:								
1	Downhill troughed Belt Conveyor BC - 723 including technology structure and tubes & lines, deck plate, Safety Switches etc., as per scope.	Lot	1						
2	All Other Conveyors including technology structure and tubes & lines, deck plate, Safety Switches etc., as per scope.	Lot	1						
3	All other equipments like, ILMS, MD, Hoists, Cranes, Gates, etc., as per Scope	Lot	1						
B	Electrical as per Scope	Lot	1						



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C	Structural	Lot	1						
D	Spares and Tools & Tackles	Lot	1						
1	Commissioning Spares	Lot	1						
2	Insurance Spares	Lot	1						
3	Tools & Tackles	Lot	1						
4	Consumables	Lot	1						
5	Two (2) Years Maintenance Spares	Lot	1						
II	Sub-Total for Manufacture & Supply (A+B+C+D)								



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SL. NO.	Description	Unit	Qty	Basic price	Service Tax	WCT	CESS		Total price
3	Unloading at site, storage, Security, transportation to erection site, Site fabrication, Erection/ civil grouting, testing, commissioning, PG test, site painting, maintenance till handing over to customer and handing over to end user.								
A	Conveyor system as per layout / system requirement and scope of work:								
1	Downhill troughed Belt Conveyor BC - 723 including technology structure and tubes & lines, deck plate, Safety Switches etc., as per scope.	Lot	1						
2	All Other Conveyors including technology structure and tubes & lines, deck plate, Safety Switches etc., as per scope.	Lot	1						
3	All other equipments like, ILMS, MD, Hoists, Cranes, Gates, etc., as per Scope	Lot	1						
B	Electrical as per Scope	Lot	1						



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C	Structural	Lot	1					
III	Sub-Total for Erection & Commissioning (A+B+C)							

SL. NO.	Description	Total price
4	Grand Total (I + II + III)	