



BHARAT HEAVY ELECTRICALS LTD.
 (A GOVT. OF INDIA UNDERTAKING)
 P.O BHEL Jhansi - 284129, INDIA
 Tel.: 0510-277001/2412260 Fax: 2412120
 Email : mmx@bheljhs.co.in

PURCHASE ENQUIRY

ENQ NO/DT: E7160613 02/06/16
 REV NO/DT: 1 03/06/16

M/s P80550 PRESS TENDER ENQUIRY
 DUMMY CODE GIVEN FOR PRESS TENDER
 ENQUIRIES ONLY.

JHANSI
 NA FOR FOREIGN SUPPLIER INDIA
 TIN NO :

REQUIRED:

OUR ABOVE ENQUIRY OF PREVIOUS REV & DATE IS AMENDED WITH
 FOLLOWING CHANGED / ADDED ITEMS.

Enqr Due on:	28-06-16 TUESDAY
Close at:	13:15 Open at:14:00
Matcat:	714001 CAPITAL ITEMS
Validity:	90 days from Technical bid opening date
IEM:	
TOP:	See Special Remarks
RA:	RA not applicable
Eval:	Item wise
Bid Type:	TWO BID
Tot Item:	1
Delivery:	FOR Jhansi
E-Proc:	No

ITEM NO :	1	PSL QTY/UM:	1.00 ND
MATL CODE :	JS8909500000	PO QTY /UM:	
DESTINATION:	JS		

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
DEGIN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF 15 METER CUBE CAPACITY DE-MENERIALISED WATER TREATMENT PLANT (DM PLANT). DETAILS AS PER SPECIFICATION NO 9095 ENCLOSED.	SEP-16	1.00

SPECIAL REMARKS:

- REV-00 NOT ISSUED & REV-01 IS FIRST ISSUED.
- 1-INSPECTION TO BE DONE BY BHEL AT SUPPLIER WORKS.
- 2-CONTACT NOS. & e-mail SHOULD BE PROVIDE FOR AUTHORISED PERSON.
- 3-DETAIL TECHNICAL CATALOGUE FOR THE EQUIPMENT IS TO BE FURNISHED.
- 4-ANNEXURE I-V TO BE SUBMITTED OFFER DULY FILLED IN AND SIGNED.
- 5-VENDER TO BE SUBMIT DULY FILLED TECHNICAL SPECIFICATION AS PER SPECIFICATION NO. 9095.
- 6-EMD SHALL BE RS40000/-
- 7-CEBG SHALL BE 10% OF BASIC ORDER VALUE.
- 8-ERECTION & COMMISSIONING COST SHOULD BE QUOTED MINIMUM 10% OF BASIC V ALUE AS PER CLAUSE 8.4 OF OUR CAPITAL TERMS & CONDITIONS.
- 9.ERECTION & COMMISSIONING TIME SHOULD BE 3 WEEKS FROM OUR CALL FOR CO MMISSIONING
- 10-PBG OF 10% OF BASIC VALUE IS REQUIRED AS PER CLAUSE 19 OF OUR CAPITAL TERMS & CONDITIONS.
- 11-COST OF TENDER SHALL BE NIL.
- 12-ALL DOCUMENTS UPLOADED WITH ENQUIRY TO BE RETURNED WITH STAMP & SIGNED OF PARTY ALONG WITH OFFER AS A TOKEN OF ACCEPTANCE.
- 13-PLEASE SEND YOUR OFFER IN TWO SEPARATE ENVELOPE (TWO BID SYSTEM) AS PER DETAILS GIVEN BELOW:-
 - IN ENVELOPE "A"
 - PLEASE SEND YOUR TECHNICAL + COMMERCIAL OFFER EXCEPT PRICE. PLEASE INDICATE CLEARLY ON THE COVER OF ENVELOPE "TECHNICAL + COMMERCIAL OFFER" AND ENQUIRY NO. WITH DUE DATE. PLEASE ALSO SUBMIT BLANK PRICE BID I.E. WITHOUT RATES ALONG WITH THE TECHNICAL + COMMERCIAL OFFER.
 - IN ENVELOPE "B"
 - PLEASE INDICATE PRICE ONLY AND INDICATE CLEARLY ON THE COVER OF ENVELOPE "PRICE BID" AND ENQUIRY NO. ENVELOPE A + B SHOULD BE SENT IN SEALED ENVELOPE ON WHICH ENQUIRY NO. AND DUE DATE IS MENTIONED ON COVER.
- 15-ALL THE TERMS AND CONDITION UNLESS OTHERWISE SPECIFIED ARE AS PER CAPITAL T&C REV-00 DATED 17-08-12

THE QUOTATION MUST BE SEALED AND BE SENT IN DOUBLE ENVELOPE.

27877



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THE INNER ENVELOPE SHOULD BEAR ENQUIRY NUMBER & DUE DATE AT THE TOP.

In case the bidder has not submitted PAN No, TIN No. and E-mail ID, the bidder has to submit the same along with the copy of PAN No and TIN No. Else his offer will be liable to be rejected.

If you are not in a position to quote due to any reason, you must send regret letter titled enquiry no. etc, failing which you may not be considered for sending future enquiries.

ENCLOSERS:

Handwritten signature and date: 3/6/16

FOR AND ON BEHALF OF
 BHARAT HEAVY ELECTRICALS LTD

Handwritten signature and date: B K MANJHI 3/06/16

B K MANJHI
 DY GENERAL MANAGER (MM)
 Email:-bkmanjhi@bheljhs.co.in

***** END OF PURCHASE ENQUIRY *****

NOTE :

- * SUPPLIERS ARE REQUESTED TO INFORM US WITH VALID CERTIFICATE, IF THEY ARE REGISTERED UNDER MSMED ACT'2006. (APPLICABLE FOR INDIAN SUPPLIERS ONLY).
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE THE LOCAL AREA OF BHEL JHANSI, ENTRY TAX WILL BE APPLICABLE. SUPPLIERS SHOULD NECESSARILY INDICATE RATE OF ENTRY TAX SEPARATELY WHEREVER APPLICABLE. THEY SHOULD ALSO MENTION THE ENTRY TAX CHARGED SAPARATELY IN THE INVOICE.
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE UP, IN CASE THE OFFER IS SILENT ON ENTRY TAX, IT SHALL BE LOADED SUITABLY WITH THE APPLICABLE RATES
- * IN CASE IF THERE IS ANY DIFFERENCE BETWEEN THE 'SPECIAL REMARKS/ANNEXURES' OF THE ENQUIRY AND THE PREPRINTED TERMS & CONDITIONS (REF JSC140/M2053), THE REQUIREMENT GIVEN IN REMARKS WILL PREVAIL.



JSC140/M2053

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TERMS & CONDITIONS FOR PURCHASE ENQUIRY

1. Offer must be submitted in a sealed cover. The cover should bear our enquiry number, due date of opening and name of her bidder.
2. When offer is invited in two bids, outer cover, inner cover-I (Techno Commercial bid) and inner cover -II (Price-Bid) must bear our tender no., due date and bidders name.
3. The offer should reach this office on or before 13:15 hrs. on the due date. The tender can also be dropped in the Tender Box kept at Administrative Building Gate. The tenders will be opened after 14:00 hrs. on the due date in presence of all bidders who will be present.
4. Offer should be free from overwriting or erasures. Corrections or additions, If any should be attested.
5. No enhancement of rate for whatever cause is allowed once the offer is accepted and the order is placed. Withdrawal from the quotation after it is accepted or failure to make the supply within the schedule period will entail cancellation of order, forfeiture of earnest money if any and/or imposition of risk & cost purchase.
6. Material offered should be of required quality and conforming strictly to our specification/drawings or to the specifications in the drawings. Any deviation must be clearly stated in the offer with particular clause/detail in our specification/drawing for which deviation is quoted. All required documents/details e.g. QA Plan, type TCs, drawings and date sheet etc. must be submitted alongwith the offer.
7. Irrespective of whether it is mentioned in our specification, all machines/equipments are required to be calibrated in metric units and certificates "must be issued where applicable".
8. Work test certificates/Inspection certificates/guarantee certificate/compliance certificate, etc. will be required to be submitted along with supplies in case an order, is placed.
9. In case an order is placed, supplier shall be required to guarantee for smooth and satisfactory performance of the equipment for a period of 24 months from the date of dispatch or 18 months from the date of commissioning whichever is earlier and certificate must be issued to this effect. Necessary instruction booklets for operation and maintenance are to be sent with supply where applicable.
10. Sample must be submitted where specified so as to reach us on or before the due date of tender.
11. Required lead time for affecting supplies alongwith available capacity should be indicated in the offer.
12. Failure to supply by the time specified on the order will make the supplier liable to pay unconditional penalty of ½% of the prices of goods in arrear per week subject to a maximum of 10% of the order value unless agreed otherwise.
13. The quantities for each item to be purchased may vary from the tendered quantity according to our actual requirement at the time of placing orders.
14. PAYMENT TERMS:
 - i) Our standard terms of payment is 100% payment after 60 days of acceptance of material at our works. In no case, interest for over due period will be borne by BHEL. Advance or LC payment terms shall generally not be considered and offers received with other than our standard terms of payment can be bypassed (except SIDBI discounting facility will be accepted for suppliers to whom this facility has been granted).
 - ii) The bidders who are covered under MSMED Act- 2006 & quoted 45 days of payment after acceptance of material will also be treated as standard terms of payment. MSE suppliers can avail intended benefit only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (5 years from the date of issue of acknowledgement in EM II) or a valid NSIC certificate or EM II certificate along with



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attested copy of a CA certificate (Format enclosed at Annexure-1 where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bids at par with other bidders. No benefit shall be applicable for this enquiry if deficiency in the above required documents are not submitted before price bid opening. If tender has to be submitted through e-procurement portal then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a gazette officer.

15. Bharat Heavy Electricals Ltd. Does not bind itself to accept the lowest of any tender, but reserves to itself the right to accept or reject all or a part of any tender at its discretion following BHEL Purchase Policy & government guidelines.

16. In all cases of disputes, the matter shall be referred for arbitration. The arbitrator shall be nominated by the Unit Head, Bharat Heavy Electricals Ltd., Jhansi or any other officer nominated by him. The award of arvitrotor shall be final and binding on both the parties.

17. In case of any suit or other legal proceedings under or relating to this tender, the courts at Jhansi shall have full, jurisdiction.

18. Total delivered cost at BHEL Jhansi Railway siding/Works shall be the criterion for deciding the tender.

19. Unless otherwise specified, offer should be on ex-works basis with freight & insurance to be borne by BHEL.

20. Your quotation against this enquiry must be valid for ordering upto minimum of 90 days from the date of tender opening.

21. The offer of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com. Likewise, the offers of those bidder(s) will not be considered if the business dealings have been suspended (under hold / delisting) by BHEL, Jhansi with the bidder(s) during the given period.

22. ADDITIONAL FOR INDIAN SUPPLIERS:

i) If any material is booked to selves or if it is not consigned to BHEL Jhansi, any warfage or demurrage occurring from these shall be to the account of supplier. In case of road transport, material shall be booked only through our rate contract transporters mentioned in the purchase order.

ii) Where there is provision for payment of Sales Tax extra, it will be paid only if the registration number both under State Sales Tax and Central Sales Tax are specically mentioned on the bill/invoice. Your Sales Tax Registration number should be mentioned in the offer positively.

iii) Excise duty Gate Pass will be required in original. Applicable taxes & duties must be included in the offer.

23. ADDITIONAL FOR FOREIGN SUPPLIER:

i) For documentation and correspondence language shall be English only.

ii) Rates quoted should be on FOB basis. All dispatches are to be made by sea by IPBC conference vessels only unless otherwise stated in purchase order.

iii) Agncy commission, if any, will be paid out of the FOB value after receipt & acceptance of material at BHEL Jhansi in Indian Rupees. TT buying exchange rate prevailing on the tender opening date or the letter of credit date or date of purchase order whichever is lowest will be considered for calculating the agency commission.

iv) The rates quoted should be inclusive of charges of packing and delivery of material upto the port of shipment on FOB terms. The material is required to be packed suitably in all respects considering the peculiarity of the material for normal transport by Sea/air and subsequently by Rail/Road in India suitably protected against the effect of tropical



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salt laden atmosphere in the event of consignment being delayed at Indian Ports before outward clearance. You should also furnish details of shipping specification, sizes, volume, weight, number of cases etc. When articles are packed with packing material of plant origin, phytosanitary certificate will be required.

v) Our standard terms of payment is 100% payment through bank against dispatch documents or 100% through sight irrevocable & unconfirmed letter of credit.

24. DEALING WITH INDIAN AGENTS OF FOREIGN SUPPLIERS

i) BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign supplier desires to avail of the services of an Indian Agent, then the foreign supplier should ensure compliance to regulatory guidelines which require mandatory submission of an Agency Agreement.

ii) It shall be incumbent on the Indian Agent and the foreign principal to adhere to the guidelines of the Government of India, issued from time to time.

iii) The Agency Agreement should specify the precise relationship between the foreign OEM / foreign principal and their Indian Agent and their mutual interest in the business. All the services to be rendered by the agent / associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier / Indian Agent. Any payment, which the agent or associate, receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the agreement and made explicit in order to ensure compliance to laws of country.

iv) Any agency commission to be paid by BHEL to the Indian Agent shall be in Indian Currency only.

v) Tax deduction at source is applicable to the agency commission paid to the Indian Agent as per the prevailing rules.

vi) In the absence of any agency agreement, BHEL shall not deal with any Indian agent (authorized representative / associate / consultant, or by whatever name called) and shall deal directly with the foreign principal only for all correspondence and business purposes.

25. Please also refer to our tender for any other terms and conditions.



JSC140/M2053

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E7) 60613

BHARAT HEAVY ELECTRICAL LIMITED, JHANSI

Specification No		9095
Item No		SP/Steam/9095
Location		BOILER HOUSE
Quantity		ONE NUMBER

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF DM WATER TREATMENT PLANT

Note :

1	VENDOR must submit complete information against clause No-18.0 (Qualifying Condition). The offer meeting this clause would only be processed
2	The "Specified/to be confirmed by vendor" Column and where applicable, the " Deviations" Column of the format shall be filled in by the Vendor and submitted along with the offer. Technical details also submitted with the offer. Inadequate/ Incomplete, Ambiguous, of unsustainable information against any of the clauses of the specification / requirement shall be treated as non-compliance.
3	The offer and all documents enclosed with offer should be in English language only.
4	Name of supplier/ Vendor
5	Name of contact person
6	Tele/Mobile No. of contact person
7	Fax No.
8	E Mail ID:

SCOPE:

DESIGN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF 15 METRE CUBE CAPACITY DE-MINERALISED WATER TREATMENT PLANT (DM PLANT) AS PER SPECIFICATION BELOW

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	BHEL Required	CONFIRM / SPECIFY BY VENDOR	DEVIATIONS
1.0 PURPOSE & WORK PIECE MATERIAL:				
1.1	DM plant is required to remove impurities in water to use with Boiler.	VENDOR TO CONFIRM		
1.2	DESIGN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF 15 METRE CUBE CAPACITY DE-MINERALISED WATER TREATMENT PLANT (DM PLANT)	VENDOR TO CONFIRM		
2.0 SPECIFICATION				
2.1 INLET WATER PARAMETER				
2.1.1	Total Dissolved Solids : 190 ppm	VENDOR TO NOTE		
2.1.2	pH : 7.0	VENDOR TO NOTE		
2.1.3	Odour: nil	VENDOR TO NOTE		
2.1.4	Taste: Agreeable	VENDOR TO NOTE		
2.1.5	Turbidity : 2ppm	VENDOR TO NOTE		
2.1.6	Silica : 1 ppm	VENDOR TO NOTE		
2.1.7	TSS : <5 ppm	VENDOR TO NOTE		
2.2 OUTPUT WATER PARAMETERS				
2.2.1	Conductivity : Less than 50 µs / cm	VENDOR TO CONFIRM		
2.2.2	Hardness : Less than 20 ppm	VENDOR TO CONFIRM		
2.2.4	pH : 6.5-8.5	VENDOR TO CONFIRM		
3.0 FEATURES				
3.1	The equipment to be self contained unit	VENDOR TO CONFIRM		
3.2	The main frame of the equipment shall be heavy, rigidly reinforced welded steel construction.	VENDOR TO CONFIRM		
3.3	The equipment should be streamlined in appearance with maximum resistance to mechanical deflection.	VENDOR TO CONFIRM		
3.4	The whole equipment shall be mounted on four wheeled trolley of which two to be fixed type and two of caster wheel type to help easy movement on the shop floor.	VENDOR TO CONFIRM		
3.5	Necessary eye bolts shall be provided for the lifting the whole unit.	VENDOR TO CONFIRM		
3.6	The overall design must be compact, easy to operate by a single person and easy to maintain.	VENDOR TO CONFIRM		
3.7	The DM plant shall work on the principle of ion exchange resin.	VENDOR TO CONFIRM		
3.8	The resin shall be of regenerative type.	VENDOR TO CONFIRM		
3.9	Valves and line must not react with acid or base.	VENDOR TO CONFIRM		
3.10	Proper mesh to prevent resin wastages.	VENDOR TO CONFIRM		
3.11	Raw water and Treated water storage Tank will be Provided by M/s BHEL	VENDOR TO NOTE		
3.12	Flow Rate--15m ³ /Hr.	VENDOR TO CONFIRM		
3.13	Operating Hours -- 22Hrs./day	VENDOR TO CONFIRM		
4.0 The DM plant shall consist of following :				
4.1 Filter				
4.1.1	Suitable water filter i.e. sand filter, wire mesh filter to separate big impurities from raw water.	VENDOR TO CONFIRM		
4.2 Complete System of Resin Regeneration through Strong Acid & Strong Base				
4.2.1 Strong Acid Cation tank with accessories				
4.2.1.1	1 no., Down Flow vertical type tank	VENDOR TO CONFIRM		
4.2.1.2	Operating Pressure--1.0-3.0 Kg/cm ² (Approx.)	VENDOR TO SPECIFY		
4.2.1.3	Vessel MOC	VENDOR TO SPECIFY		
4.2.1.4	Vessel Size (Dia X H)	VENDOR TO SPECIFY		
4.2.1.5	Type of resin	VENDOR TO SPECIFY		

DESIGN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF 15 METRE CUBE CAPACITY DE-MENERIALISED WATER TREATMENT PLANT (DM PLANT) AS PER SPECIFICATION BELOW

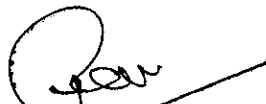
S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	BHEL Raquirad	CONFIRM / SPECIFY BY VENDOR	DEVIATIONS
4.2.1.6	Quantity of resin : 800 Ltr.(Approx.)	VENDDR TO SPECIFY		
4.2.1.7	MOC of AMT Tank	VENDOR TO SPECIFY		
4.2.1.8	AMT tank capacity :	VENDOR TO SPECIFY		
4.2.1.9	Regenerant (Lit. of 100 % HCL)	VENDDR TO SPECIFY		
4.2.1.10	OBR (Approx.330m ³)	VENDOR TO SPECIFY		
4.2.2	Strong Base Anion tank with accessories			
4.2.2.1	1 no., Down Flow vertical type tank .	VENDOR TO CONFIRM		
4.2.2.2	Operating Pressure 1.0-3.0 Kg/cm ² (Approx.)	VENDOR TO SPECIFY		
4.2.2.3	Vessel MOC	VENDOR TO SPECIFY		
4.2.2.4	Vessel Size (Dia X H)	VENDOR TO SPECIFY		
4.2.2.5	Type of resin	VENDDR TO SPECIFY		
4.2.2.6	Quantity of resin : 1350 Ltr. Approx.	VENDOR TO SPECIFY		
4.2.2.7	MOC of CDT Tank	VENDOR TO SPECIFY		
4.2.2.8	CDT tank capacity :	VENDOR TO SPECIFY		
4.2.2.9	Regenerant (Kg. of 100 % NADHI)	VENDOR TO SPECIFY		
4.2.2.10	OBR (Approx.330m ³)	VENDOR TO SPECIFY		
4.3	Instruments to be supplied with plant for parameter measurement			
4.3.1	Rotameter for water inlet quantity -01No.	VENDOR TO CONFIRM		
4.3.2	Pressure Gauge at each tank & stage (Min 03 No.)	VENDOR TO CONFIRM		
4.3.3	Water Conductivity Meter-01No.	VENDOR TO CONFIRM		
4.3.4	pH Meter-01No.	VENDOR TO CONFIRM		
4.3.5	Level Switches-02 No.	VENDOR TO CONFIRM		
5.0	METERING			
5.1	Meter for water flow, water pressure, conductivity of outlet water, pH of output water etc.	VENDOR TO CONFIRM		
6.0	SAFETY			
6.1	The equipment shall be fully safe in operation.	VENDOR TO CONFIRM		
6.2	After treatment and regeneration cycle is over, an auto alarm shall be provided.	VENDOR TO CONFIRM		
6.3	List of safety device incorporated in D M plant	VENDOR TO SPECIFY		
6.4	Over current, over voltage and any other relay for the protection of system/ equipment are to be included as well as suitably interlocked for the safe operation.	VENDOR TO CONFIRM		
6.5	Necessary guards and protection covers are to be provided to protect the equipment.	VENDOR TO CONFIRM		
7.0	PAINTING			
7.1	Two coats of red oxide metal primer and finished with two coats of synthetic enamel paint of verdigris green paint.	VENDOR TO CONFIRM		
8.0	DOCUMENTATION :			
8.1	During participation in technical Bid.			
	(i) Dimensional G.A. Drawing/ Dimensional Lay out diagram	VENDDR TO SUBMIT		
	(ii) Total area required	VENDOR TO SPECIFY		
	(iii) Technical literature	VENDOR TO SUBMIT		
	(iv) Details of safety devices incorporated.	VENDOR TO SUBMIT		
	(v) Schematic diagram of DM plant.	VENDOR TO SUBMIT		
	(vi) Type make and HP of meters & pumps.	VENDOR TO SPECIFY		
	(vii) Total electrical load	VENDOR TO SPECIFY		
	(viii) Approx. Total weight of the equipment.	VENDOR TO SPECIFY		
	(ix) Erection and commissioning duration	VENDOR TO SPECIFY		
8.2	After Receipt of Order: (For approval)	VENDOR TO CONFIRM		
	(i) Three set of GA drawing	VENDOR TO CONFIRM		
	(ii) Three sets of electrical schematic and control circuit diagram	VENDOR TO CONFIRM		
8.3	With the supply			
	(i) Three sets of operation manual	VENDOR TO CONFIRM		
	(ii) Three sets of maintenance manual of DM plant. Spares - part list concerned drawing of spares.	VENDOR TO CONFIRM		
	(iii) Catalogues, O&M Manuals of all bought out items including drawings- 3 set	VENDOR TO CONFIRM		
9.0	TRAINING			
9.1	Training to BHEL person / operator/ maintenance staff to be given at the time of commissioning of the equipment. (NOT LESS THAN SIX DAYS)	VENDOR TO CONFIRM		
10.0	GUARANTEE:			
10.1	24 Months from the date of acceptance of the equipment.	VENDOR TO CONFIRM		
11.0	MACHINE ACCEPTANCE (Tests/Activities to be performed & demonstrated by Vendor)			
11.1	Tests/Activities to be carried out at vendor's works on the Plant before dispatch during Pre-Dispatch inspection(PDI) by BHEL :			
11.1.1	The equipment is to be inspected, tested & demonstrated as per specification by the Vendor to the representative of BHEL prior to dispatch	VENDOR TO CONFIRM		
11.1.2	Demonstration of all features of the Plant machine, control system & accessories	VENDOR TO CONFIRM		

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S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	BHEL Raquirad	CONFIRM / SPECIFY BY VENDOR	DEVIATIONS
11.2	Tests/Activities to be carried out at BHEL works whila commissioning the machine.			
11.2.1	Demonstration of all features of the DM Plant & all supplied accessories to the BHEL STAFF for efficient and affective use of the machine as par specification.	VENDOR TO CONFIRM		
12.0	ERECTION AND COMMISSIONING			
12.1	Complete erection and commissioning to be done by the supplier with his own labour and tools.	VENDOR TO CONFIRM		
12.2	Requirement of Elec. supply, water, air pressure etc if required during E&C WDRK with details	VENDOR TO SPECIFY		
13.0	GENERAL CONDITION			
13.1	The equipment shall be suitable for the operation on 415 Volts, 3 Phase, 50HZ A.C.Supply.	VENDOR TO CONFIRM		
13.2	The necessary cable and connection from control panel to various items of the equipment, isolator for control panel for incoming supply are also to be included in the supply and details to be furnshad along with offer.	VENDOR TO CONFIRM		
13.3	Single point 415 Volt 3phase 50Hz A.C.Supply will be provided by BHEL.	VENDOR TO CONFIRM		
13.4	The connection shall be made through copper criming type lugs.	VENDOR TO CONFIRM		
13.5	Control panel wiring shall ba made by 2.5 sq. mm copper conductor PVC insulated wire with numbered ferrules.	VENDOR TO CONFIRM		
13.6	All controls and electrical & electronics circuits ara to ba grouped together and located in control panel.	VENDOR TO CONFIRM		
13.7	The motors shall ba ABB/Bharat bijlee/GEC/Crompton/ only	VENDOR TO CONFIRM		
13.8	The DM plant shall be supplied in ready to usa condition ,complete with all standard accassorias & pipe interconnection work etc.	VENDOR TO CONFIRM		
13.9	First fill of All chemicals (strong acid resin, strong base rasin, Regenerant chemical) to be supplied with plant by vendor.	VENDOR TO CONFIRM		
14.0	QUALIFYING CONDITION			
14.1	Only those vendors, who have supplied at least one No. DM plant , same or higher capacity in the last five years should quote .P.O.Copy/ Installation Report/ Commissioning Raport/ Performance certificate must be submitted by vendor	VENDOR TO CONFIRM		
15.0	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false/ incorrect, the offer shall ba rejectad.	VENDOR TO CONFIRM		



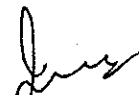
Amit Goyal
Sr. ENG.(WEX)



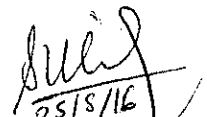
Y.K. Dhillon
Dy. Mgr. (WEX)



S.K. Bajpayee
Mgr(WEX)



Inder Mathur
D.G.M.(WEX)



S.J. Chakraborty
(AGM(WEX))