



Bharat Heavy Electricals Limited

(A Government of India Undertaking)

BAP RANIPET – 632 406 / PURCHASE UTILITY DEPARTMENT

Notice inviting Tender

Dear All,

Sub: Bids are invited for the Chlorinated Paints and Thinners

Ref: Enquiry 2100768E dated 05.01.2021.

Due date: 14.00 hrs on 19.01.2021.

Please Submit your lowest quotation on Two-Part(Technical bid or Price-Bid) FIRM PRICE basis.

Price bids of all techno-commercially qualified bidders shall be opened

Kindly fill and submit following documents along with the tender, failing which your offer is liable to be rejected.

1. Bidder to furnish the filled, signed and stamped copy of commercial terms and conditions(**Annexure-I**) along with technical offer.
2. Bidder to furnish the technical offer in company letter head as per attached format.
3. Bidder to furnish the signed and stamped **Pre-Qualification Requirement (PQR)** (attached in the tender, if any) as per confirmation of acceptance along with technical offer.
4. Bidder to furnish the filled, signed and stamped copy of **Annexure-D**(Technical data sheet) along with technical offer.
5. Bidder to furnish the BOQ confirmation along with technical offer i.e., Quoted/ Not Quoted against each item / package, as applicable along with technical offer.
6. Bidder to note that, all documents w.r.t technical offer to merged and uploaded.
7. Confirmation to the General terms and conditions (Annexure B) is required.

Manager/Purchase

BHEL :: BAP :: RANIPET
PURCHASE DEPARTMENT
ANNEXURE-A (Technical Specification)

OPEN TENDER REF:2100768E Dt. 05.01.2021

Tenders (Two-Part Bid) are invited through electronic mode from eligible suppliers (Satisfying Pre Qualification Criteria) as per Tender Condition. Bids shall be submitted quotation through - <https://eprocurebhel.co.in/> (Online only).

BID OPENING DATE:19.01.2021 AT 14:30 HRS IST

Sl o	Description	Qty	Unit	Dely. Date	Brand/ Make	HSN No.	GST(%)	Bidders Response/ Quoted or not quoted	Remarks/ Deviation (If any)
1	5.7KW 3 PH 415V AC SQ CG INDUCTION MOTOR 132M, FOOT MOUNTED WITH 6 POLES (IE3).	1	NO	15-Feb-21					
2	1.5KW 3 PH, 415V, SQ CG MOTOR 90L FOOT MOUNTED WITH 6POLES.	1	NO	15-Feb-21					
3	1.5KW 3PH, 415V, SQ CG MOTOR 90L FLANGE MOUNTED WITH 6POLES (IE3).	1	NO	15-Feb-21					
4	2.2KW 3 PH, 415V, SQ CG MOTOR 100L FLANGE MOUNTED WITH 6POLES (IE3).	1	NO	15-Feb-21					
5	2.2KW 3 PH, 415V, SQ CG MOTOR 100L FOOT MOUNTED WITH 6POLES (IE3)	1	NO	15-Feb-21					
6	37 KW 3 PH, 415V, SQ CG MOTOR 225S FOOT MOUNTED WITH 4POLES (IE2).	1	NO	15-Feb-21					
7	3.7KW 3 PH, 415V, SQ CG MOTOR 112M FOOT MOUNTED WITH 6POLES (IE3).	1	NO	15-Feb-21					
8	2.2KW 3PH, 415V SLIP RING MOTOR , 132S, FOOT MOUNTED WITH 6POLES.	1	NO	15-Feb-21					

Annexure-D to Indent Request for 5.7 KW 132M Foot Mounted SCIM Motor (SI :I)

Data Sheet for Squirrel Cage Induction Motor: Enquiry No:2100768E

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	5.7 KW	
6	FRAME SIZE	132M	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Foot Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	6 Poles	
11	EFFICIENCY CLASS	IE3 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 1.5 KW 90L Foot Mounted SCIM Motor (SI :2)

Data Sheet for Squirrel Cage Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	1.5 KW	
6	FRAME SIZE	90L	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Foot Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	6 Poles	
11	EFFICIENCY CLASS	IE3 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 1.5 KW 90L Flange Mounted SCIM Motor (SI :3)Data Sheet for Squirrel Cage Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	1.5 KW	
6	FRAME SIZE	90L	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Flange Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	6 Poles	
11	EFFICIENCY CLASS	IE3 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 2.2 KW 100L Flange Mounted SCIM Motor (SI :4)Data Sheet for Squirrel Cage Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	2.2 KW	
6	FRAME SIZE	100L	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Flange Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	6 Poles	
11	EFFICIENCY CLASS	IE3 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 2.2 KW 100L Foot Mounted SCIM Motor (SI :5)Data Sheet for Squirrel Cage Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	2.2 KW	
6	FRAME SIZE	100L	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Foot Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	6 Poles	
11	EFFICIENCY CLASS	IE3 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 37 KW 225S Foot Mounted SCIM Motor (SI :6)Data Sheet for Squirrel Cage Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	37 KW	
6	FRAME SIZE	225S	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Foot Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	4 Poles	
11	EFFICIENCY CLASS	IE2 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be 1470 RPM approx..	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 3.7 KW 112M Foot Mounted SCIM Motor (SI :7)Data Sheet for Squirrel Cage Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Squirrel Cage Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	3.7 KW	
6	FRAME SIZE	112M	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Foot Mounted	
9	MOTOR CONNECTION	Stator shall be Delta	
10	NUMBER OF POLES	6 Poles	
11	EFFICIENCY CLASS	IE3 as per Indian Standard IS 12615:2011	
12	RATED CURRENT	Vendor to Specify	
13	RATED TORQUE	Vendor to Specify	
14	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
15	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
16	INSULATION	Insulation class F, Temperature rise class B	
17	ENCLOSURE	IP55	
18	POSITION OF FAN	Non Drive End	
19	SHAFT EXTENSION	No extension	
20	AMBIENT TEMPERATURE	50 DEG C	
21	COOLING	Fan Cooled	
22	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
23	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
24	QUANTITY	1	

Annexure-D to Indent Request for 2.2 KW 132S Foot Mounted SRIM Motor (Sl: 8)Data Sheet for Slip Ring Induction Motor:

SL	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
1	TYPE OF MOTOR	3 Phase Slip Ring Induction Motor	
2	MOTOR APPLICATION	Crane Hoist	
3	BASE VOLTAGE	415V	
4	FREQUENCY	50HZ	
5	POWER IN KW / HP	2.2 KW	
6	FRAME SIZE	132S	
7	POSITION OF TERMINAL BLOCK	Top of Motor	
8	MOUNTING	Foot Mounted	
9	MOTOR CONNECTION	STATOR – DELTA, ROTOR—STAR	
10	NUMBER OF POLES	6 Poles	
11	RATED CURRENT	Vendor to Specify	
12	RATED TORQUE	Vendor to Specify	
13	RATED RPM	Vendor to Specify. Shall be in the range of 925-990 RPM	
14	STARTS PER HOUR	S4 - 40% CDF 150 STARTS PER HOUR	
15	INSULATION	Insulation class F, Temperature rise class B	
16	ENCLOSURE	IP55	
17	POSITION OF FAN	Non Drive End	
18	SHAFT EXTENSION	No extension	
19	AMBIENT TEMPERATURE	50 DEG C	
20	COOLING	Fan Cooled	
21	MAKE	Crompton Greaves/ Marathon / Bharat Bijlee / Kirloskar / ABB / Siemens / NGEF / Equivalent	
22	TEST CERTIFICATE	Routine Test Certificate Shall be provided	
23	QUANTITY	1	

Pre-Qualification Requirement (PQR) for supply of Induction motors -Enquiry No.2100768E dated 05.01.2020

Offers from Bidders meeting all the below Pre-qualification requirements concurrently are only qualified to participate in this Tender Enquiry.

Sl.No	Pre-Qualification Requirement / Criteria	Documentary evidence to be submitted by the Bidder	Bidders' Remarks / Comment / Confirmation
01	(I) Only Original Equipment Manufacturers (OEMs) of Induction Motors or Authorized distributor of OEMs shall participate.	Purchase Order copy/Invoice copy of Squirrel Cage Induction motors in the last two years as on the date of Tender opening.	
	(II) If the Bidder is a manufacturer	1.Certificate of Incorporation. 2.PO copy/Invoice copy as given above for the items offered & Product catalogue.	
	(III) If the Bidder is an Authorized distributor	Current, Valid distributor certificate from the manufacturer (Certificate must be valid minimum 3 months after the date of tender opening), Product catalogue & P.O/ Invoice copy as given above for the items offered.	

Note:- All the stipulated documents shall be submitted along with Technical bid. In case of non-submission of required documents, the bid shall be liable for rejection.

Annexure-I**Essential Commercial Terms & Conditions for our enquiry : 2100768E Dt. 05012021**

SL. NO	DESCRIPTION	BHEL'S REQUIREMENT	SUPPLIER'S COMMENTS
01	PRICE	Shall be firm till supply completion	
02	DELIVERY TERMS	FOR, DESTINATION (BHEL, Ranipet-Stores)	
03	PACKING& FORWARDING	Included. (if extra indicate in %)	
04	FREIGHT & INSURANCE	To be included (If extra indicate in %)	
05	GST Registration No	To be indicated by supplier	
06	HSN Code	To be indicated for each product by supplier	
07	GST Applicable rate	IGST / SGST / CGST / UTGST To be indicated by supplier (Applicable on basic price).	
08	MSME STATUS (MICRO/SMALL/MEDIUM)	Supplier has to mention, whether they are coming under Micro/ Small / Medium Enterprises.	
09	PAYMENT	100% within 45 days after receipt & acceptance of materials at our end for registered MSE (Micro & Small) supplier.	
		(Kindly note that our present standard payment terms for NON - MSE vendors is "100% within 90 days of receipt and acceptance of materials at our stores". Please confirm your acceptance for the same. In the event of any deviation in the above payment terms the following loading on your total rate will be done as below." Base rate of SBI (as applicable on the date of techno commercial bid opening) + 6% shall be considered for loading for the period of relaxation sought by you")	
10	L.D.CLAUSE	As indicated in Enquiry (as per IMPORTANT NOTE) Confirmation L.D. clause as indicated in Enquiry @ 0.5% per week subject to a maximum of 10% for the delayed delivery. (In case any bidder is not accepting the above penalty for delayed Supply, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder. Example: If the Supplier has accepted for maximum 5% penalty clause, then balance 5% will be loaded for evaluating lowest bidder).Kindly mention Accepted/Not Accepted.	
11	DELIVERY PERIOD	To be indicated by supplier (In terms of no of weeks from the date of PO).	
12	OFFER VALIDITY	Minimum 90 days from the date RA /Technical bid opening.	
14	INSPECTION BEFORE DESPATCH	Will be done at Your Works Before Dispatch	
15	TEST CERTIFICATE	Required	
16	GARANTEE CERTIFICATE	The materials are to be guaranteed for satisfactory performance for a period of 12 months from the date of commissioning / putting in to use. OR, 18 months from the date of dispatch, whichever is earliest and if any defect is noticed during the above period, the same shall be rectified / replaced free of cost on FOR Ranipet / Destination basis within a reasonable time.(Required)	

17	RISK PURCHASE (PLEASE REFER OVERLEAF OF ENQUIRY FORMAT CLAUSE:7)	Alternatively, the purchaser at his option will be entitled the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the purchaser may sustain by	
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Date:

SIGNATURE WITH SEAL

Annexure-I**Essential Commercial Terms & Conditions for our enquiry : 2100768E Dt. 05012021**

		reason of such risk purchases in addition to penalty at the rate mentioned in Clause 10 above	
18	Cancellation Clause	In the event of non- performance of the contract by the supplier. BHEL reserves the right to cancel the order with issue of a written notice. BHEL would provide a curing period of 30 days, for the supplier to rectify the situation. If the supplier fails to rectify the reason/s that led to the issue of cancellation notice by BHEL, then the cancellation order would be issued automatically by BHEL, without further recourse to the seller. BHEL will not pay any cancellation charges or any other charges/damages to the supplier, arising out of such cancellation. In the event of the non-performance of the supply contract, by the supplier, the rights of BHEL include, in addition to cancelling the order, to take alternate purchase action at the cost and risk of the supplier. The additional expenditure to be incurred by BHEL in such alternate purchase would be to the account of the supplier. (Risk Purchase). This remedy would be in addition to the revoking of the CEBG on grounds of failure of the supplier in executing the contract and any other legal remedies.”	
19	Force Majeure	If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions epidemics quarantine restrictions, or acts of God (herein after referred to as event) then, provided notice of happening of any such event is given by other within 21 days from date of occurrence thereof neither party shall be reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance and delay in performance and delivery under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event, claims for extension of time shall be granted for periods considered reasonable by the Purchaser subject to prompt notification by the seller to the Purchaser of the particulars of the event and supply to the purchaser if, required , of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.	
20	Company PAN No:		
21	CONTACT PERSON NAME:		
22	Works Address		
23	PHONE #, FAX#		
24	E-MAIL ID,		
25	CELL #		

The above format shall be completely filled and deviation if any shall be clearly spelt out. The columns which are not applicable shall be mentioned as “not applicable”. No column should be left blank. Non filling-up of columns may lead to rejection of your offer. If there is any difference (in the points accepted/confirmed) between the offer and this filled-up commercial terms & conditions sheet, the later only shall prevail.

Date:

SIGNATURE WITH SEAL