



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 7421

Email : vkaruna@bhel.in

Web : www.bhel.com

TWO PART BID

Tender to be submitted in two Parts

Enquiry
Number:

2631900030

Enquiry
Date:

16.08..2019

Due date for submission
of quotation:

09.09.2019

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Item	Description	Quantity	(Indigenous Vendors) Matl. will be Delivered to
10	SUBMERCIBLE BOREWELL PUMP WITH ACCESSORIES as per the technical specification & commercial conditions applicable (to be downloaded from web site (http://www.bhel.com) http://www.bhel.com/tender/tender_home.php or https://eprocure.gov.in/epublish/app)	1 Package	FOR, BHEL Stores, High Pressure Boiler Plant, Tiruchirappalli - 620014

Important points to be taken care during submission of offer

1. Vendor should quote as a package only.
2. Material shall be delivered to: Indigenous Vendors: As stated above.
3. Delivery required 15 days including PDI from the date of purchase order.
4. Erection & Commissioning period required 15 days from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
5. EMD for this Tender will be (not less than): INR 40,000/-
6. Compliance Form Nos.: TRY/IND/07 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
7. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM / CE / GENL / 001 - EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site (<http://www.bhel.com>) http://www.bhel.com/tender/tender_home.php or from the Government tender website <https://eprocure.gov.in/epublish/app> under above Enquiry reference.

(This is not an E-tender, please submit your offer in hard copies)

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS
LIMITED

V. Karunakaran 16/8/19
DGM / Capital Equipment / MM

V. KARUNAKARAN
Dy. General Manager
Capital Equipment / MM
BHEL / Tiruchirappalli - 620 014

Detailed Scope of Work and Technical Specifications:

Supply erection and commissioning of 10.0 HP, bore well Submersible pump set of make CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make in the existing 8" dia bore well depth of ranging from 500-600 feet. For pump and motor minimum one-year warranty certificate shall be furnished. The rate includes all conveyance charges labour charge and the cost of following materials for laying of pipe erection and commissioning of pump. The civil work like laying foundation etc., will be the scope of BHEL.

SL No	Item Description	Qty	Unit
1	Submersible Bore well pump 10.0 HP, 3 Phase, Maximum head between 175-200 M, Maximum delivery between 175-250 LPM, Delivery Size - 50 mm. CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make	1	No
2	2" SS bottom	1	No
3	2" top CI	1	No
4	2" UPVC Column pipe 27kg/sq. cm heavy blue screen wire lock - each 3 m length (Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	6	No
5	2" UPVC Column pipe 20kg/sq. cm Standard red screen wire lock - each 3 m length (Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	24	No
6	3 core , 4 sqmm flat cable suitable for Bore well submersible pump Make : CRI/Finolx/Johnson/Equivalent	150	M
7	Star Delta Starter - BCH/LTLK/Crompton /Equivalent Make Relay Range -17.4 - 24 Amps Contactor Type - NON, Contactor Rating - 25 Amps without dry run preventer	1	No
8	200 mm End Cap	1	No
9	PVC insulation tape	10	No
10	Batch	1	No
11	Teflon Tape	1	No
12	2" patta clamp	1	No
13	2" GI Bend+Socket +Air cock	1	No
14	2" GI Bend	1	No
15	2" NRV , make: CRI/Equivalent	1	No
16	Chellac + Thread	1	No
17	1" Green hose - 1 meter	1	No

Supply erection and commissioning of 7.5 HP, Submersible pump set of make CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make in the existing 8" dia bore well depth of ranging from 500-600 feet. For pump and motor minimum one-year warranty certificate shall be furnished. The rate includes all conveyance charges labour charge and the cost of following materials for laying of pipe erection and commissioning of pump. The civil work like laying foundation etc., will be the scope of BHEL.

Sl No	Item Description	Qty	Unit
1	Submersible Bore well pump 7.5 HP, 3 Phase, Maximum head between 150-175 M, Maximum delivery between 150-200 LPM, Delivery Size - 50mm CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make	2	No
2	2" SS Bottom	2	No
3	2" Top CI	2	No
4	2" UPVC Column pipe 27kg/sq. cm heavy blue screen wire lock - each 3 m length (Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	12	No
5	2" UPVC Column pipe 20kg/sq. cm Standard red screen wire lock – each 3 m length (Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	50	No
6	3 core , 4 sqmm flat cable suitable for Bore well submersible pump Make : CRI/Finolx/Johnson/Equivalent	200	M
7	Direct online Starter BCH/LTLK/Cromptoon / Equivalent Make suitable for the Submersible Pump Motor as per manufacturer's recommendation The starter shall be fitted with one Voltmeter and one ammeter	2	No
8	200 mm end cap	2	No
9	PVC insulation tape	20	No
10	Batch	2	No
11	Teflon Tape	2	No
12	2" patta clamp	2	No
13	2" GI Bend+Socket +Air cock	2	No
14	2" GI Bend	2	No
15	2" NRV , make: CRI/Equivalent	2	No
16	Chellac + Thread	2	No
17	1" Green hose - 1 meter	2	No

Supply erection and commissioning of 5.0 HP, Submersible pump set of make CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make in the existing 6"/8" dia bore well depth of ranging from 300-400 feet. For pump and motor minimum one-year warranty certificate shall be furnished. The rate includes all conveyance charges labour charge and the cost of following materials for laying of pipe erection and commissioning of pump. The civil work like laying foundation etc., will be the scope of BHEL.

Sl No	Item Description	Qty	Unit
1	Submersible Bore Well Pump 5 HP, maximum head between 125-150 M Maximum delivery between – 125-175 LPM 3 Phase, 4 inch Dia, Delivery - 50 mm CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make	4	No
2	2" SS bottom	4	No
3	2" top CI	4	No
4	2" UPVC Column pipe 27kg/sq. cm heavy blue screen wire lock - each 3 m length (Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	24	No
5	2" UPVC Column pipe 20kg/sq. cm Standard red screen wire lock – each 3 m length (Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	96	No
6	1x3x2.5 sq mm, ISI 3 core flat cable suitable for Submersible Pumps (Finolex/Anchor/Johnson/CRI/Equivalent)	300	M
7	Control panel starter (make: BCH, LTLK). Relay Range 6-9.3 Amps. Coon Type Contactor rating 16 Amps without dry run protector	4	No
8	200 mm end cap	4	No
9	PVC insulation tape	40	No
10	Batch	4	No
11	Teflon Tape	4	No
12	2" patta clamp	4	No
13	2" GI Bend+Socket +Air cock	4	No
14	2" GI Bend	4	No
15	2" NRV , make: CRI/Equivalent	4	No
16	Chellac + Thread	4	No
17	1" Green hose - 1 meter	4	No

Supply erection and commissioning of 3.0 HP, Submersible pump set of make CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make in the existing 6"/8" dia bore well depth of ranging from 300-400 feet. For pump and motor minimum one-year warranty certificate shall be furnished. The rate includes all conveyance charges labour charge and the cost of following materials for laying of pipe erection and commissioning of pump. The civil work like laying foundation etc., will be the scope of BHEL

Sl No	Item Description	Qty	Unit
1	Submersible Bore Well Pump 3.0 HP, maximum head between 100-125 M Maximum delivery between – 100-150 LPM 3 Phase, 4 inch Dia, Delivery - 40 mm CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make	2	No
2	1-1/2" SS Bottom	2	No
3	1-1/2" Top CI	2	No
4	1-1/2" UPVC Column Pipe 35KG/ square cm, Heavy Blue Screen Wire Lock, 3 m length each	12	No
5	1-1/2" UPVC Column Pipe 25 KG/ square cm Standard Red Screen Wire Lock, 3m length each	48	No
6	1x3x2.5 sq mm, ISI 3 core flat cable suitable for Submersible Pumpset	200	M
7	Control panel starter (make: BCH, LTLK). Relay Range 6-9.3 Amps. Coon Type Contactor rating 16 Amps without dry run protector	2	No
8	200 mm end cap	2	No
9	PVC insulation tape	20	No
10	Batch	2	No
11	Teflon Tape	2	No
12	1-1/2" patta clamp	2	No
13	1-1/2" GI Bend+Socket +Air cock	2	No
14	1-1/2" GI Bend	2	No
15	1-1/2" NRV , make: CRI/Equivalent	2	No
16	Chellac + Thread	2	No
17	1" Green hose - 1 meter	2	No

Supply erection and commissioning of 2.0 HP, Submersible pump set of make CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make in the existing 6"/8" dia bore well depth of ranging from 300-400 feet. For pump and motor minimum one-year warranty certificate shall be furnished. The rate includes all conveyance charges labour charge and the cost of following materials for laying of pipe erection and commissioning of pump. The civil work like laying foundation etc., will be the scope of BHEL

PO SL	Item Description	Qty	Unit
1	Submersible Bore Well Pump 2.0 HP, maximum head between 75-100 M Maximum delivery between – 75-100 LPM 3 Phase, 4 inch Dia, Delivery - 32 mm CRI/TEXMO/SUGUNA/KIRLOSKAR/BESTON/KSB/GRUNDFOS/or any other approved make	3	No
2	Control panel starter (make: BCH, LTLK). Relay Range 3.8 -6 Amps. Coon Type Contactor rating 16 Amps without dry run protector	3	No
3	1x3x2.5 sq mm, ISI 3 core flat cable suitable for Submersible Pumps (Finolex/Anchor/Johnson/CRI/Equivalent)	300	M
4	1 1/4 inch SS Bottom	3	No
5	1 1/4 " top CI	3	No
6	1 1/4 " UPVC Column pipe 35 kg/sq. cm heavy blue screen wire lock - each 3 m length Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	18	No
7	1 1/4 " UPVC Column pipe 25 kg/sq. cm standard red screen wire lock - each 3 m length Astral/Ashirvad/Finolex/Supreme/Prince/Equivalent)	72	No
8	1 1/4 " patta clamp	3	No
9	1 1/4" GI Bend+Socket +Air cock	3	No
10	1 1/4 " GI Bend	3	No
11	1 1/4 " NRV , make: CRI/Equivalent	3	No
12	200 mm end cap	3	No
13	PVC insulation tape	30	No
14	Batch	3	No
15	Teflon Tape	3	No
16	Chellac + Thread	3	No
17	1" Green hose - 1 meter	3	No

2.0 Pre-Qualifying Criteria:

Vendor should have successfully supplied similar pumps in the last two years.