

**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM :: HYDERABAD-502032**  
**(TOWNSHIP ADMINISTRATION)**

Schedule - A - Price bid

Tender Notice No.

HY/TA/OT-11/2015-16

Date: 26.12.2015, Item. No. 01

*Name of work: Repairs to Submersible Pumps & Centrifugal Pump Sets in Township*

Sl. No.	Description of work	Qty	Unit	Rate	Amount
1	Repairs to submersible pumpsets of 2.5 to 5 H.P				
	A MOTOR PORTION				
	a Rewinding of motor	8.00	Each	2187.25	17,498.00
	b Replacement of upper & lower bearing bushes.	12.00	Each	113.74	1,364.88
	c Studs and nuts/keys	6.00	Each	35.00	210.00
	d Thrust bearing sets	3.00	Each	131.24	393.72
	e Oil seals	6.00	Each	21.87	131.22
	f Cable joints to Motor	2.00	Each	43.75	87.50
	g Motor half couplings	6.00	Each	30.62	183.72
	h Lock rings	12.00	Each	8.75	105.00
	i DOL/IP bushes	10.00	Each	65.62	656.20
	j Supply & fixing of 3-core, 2.5 sq.mm copper conductor submersible flat cable.	250.00	Rmt	52.49	13,122.50
	k Rotor reconditioning / Replacement	3.00	Each	87.49	262.47
	B PUMP PORTION				
	a Repairs & reconditioning of impellers and balancing.	4.00	Each	52.49	209.96
	b Shaft sleeves	12.00	Each	17.50	210.00
	c Replacement of impeller	10.00	Each	153.14	1,531.40
	d Stage casing bowl bushes sets	30.00	Each	17.50	525.00
	e Suction strainer/sand guard	6.00	Each	17.50	105.00
	f Pump half coupling	6.00	Each	52.49	314.94
	g Labour charges for dismantling, overhauling, testing, painting, transporting, etc.,	8.00	Each	787.41	6,299.28
	h Guide wins	12.00	Each	21.87	262.44
	i Replacing of pump shaft	4.00	Each	218.73	874.92

Sl. No.	Description of work	Qty	Unit	Rate	Amount
2	Repairs to submersible pumpsets of 8 to 12 H.P				
	A MOTOR PORTION				
	a Winding of motor	30.00	Each	3324.62	99,738.60
	b Replacement of upper & lower bearing bushes.	50.00	Each	148.73	7,436.50
	c Motor upper and lower flanges	65.00	Each	21.87	1,421.55
	d Motor half couplings	35.00	Each	26.25	918.75
	e Studs and nuts/keys	35.00	Each	35.00	1,225.00
	f Rotor sleeves	35.00	Each	65.62	2,296.70
	g Thrust bearing sets	20.00	Each	131.24	2,624.80
	h Oil seal/circlips/lock rings	25.00	Each	17.50	437.50
	i Cable jointing to motor	20.00	Each	65.62	1,312.40
	j Upper and lower bearings housing	20.00	Each	131.24	2,624.80
	k Guide wings	13.00	Each	17.50	227.50
	l Stud rings	9.00	Each	87.49	787.41
	m Motor bottom base	11.00	Each	174.98	1,924.78
	n Motor adapter	13.00	Each	174.98	2,274.74
	B PUMP PORTION				
	a Repairs & reconditioning of impellers and balancing	28.00	Each	174.98	4,899.44
	b Replacement of impellers 'Q' type	40.00	Each	131.24	5,249.60
	c Stage casing bowl bushes sets	40.00	Each	87.49	3,499.60
	d Stage casing 'Q' type	40.00	Each	21.87	874.80
	e Suction strainer/sand guard	30.00	Each	43.75	1,312.50
	f Neck rings	40.00	Each	87.49	3,499.60
	g DOL/IP bush	20.00	Each	113.74	2,274.80
	h Shaft sleeves	90.00	Each	87.49	7,874.10
	i Pump half couplings	30.00	Each	52.49	1,574.70
	j Pump shaft (reconditioning)	15.00	Each	43.75	656.25
	k Pump shaft (replacing)	6.00	Each	218.73	1,312.38
	l Pump stand	4.00	Each	153.11	612.44
	m N R V body	15.00	Each	244.97	3,674.55
	n Labour charges for dismantling, overhauling, testing, painting, transporting, etc.	35.00	Each	1312.35	45,932.25

Sl. No.	Description of work	Qty	Unit	Rate	Amount
<b>3</b>	<b>Supply &amp; Fixing of spares to the pumps</b>				
a	Couplings set (20 to 40 HP)	10.00	sets	218.73	2,187.30
b	Cast iron gland clamps for 40 HP pump.	10.00	sets	262.47	2,624.70
c	Cast iron sleeves for 40 HP pump.	10.00	Sets	262.47	2,624.70
d	Rubber bush L40x50 dia x 23 ID-MM (1 set 6 nos)	40.00	Nos.	393.71	15,748.40
e	Shaft sleeves (cast iron), 5 to 15 HP	6.00	Each	69.99	419.94
f	Shaft sleeves (castiron) 20 to 40 HP	6.00	Each	113.74	682.44
<b>4</b>	<b>Supply &amp; fixing of Ball bearing from 1 to 40 HP</b>				
a	Bearing size 6310 / 6311 / 6312	15.00	Each	1224.86	18,372.90
b	Bearing size 6308 / 6205 / 6304 / 6309	15.00	Each	349.96	5,249.40
<b>5</b>	<b>Winding of motors 1 to 40 HP</b>				
a	Motor winding, 1 to 4 HP	6.00	Each	787.41	4,724.46
b	5 to 15 HP	10.00	Each	1924.78	19,247.80
c	20 to 40 HP	10.00	Each	8311.55	83,115.50

Sl. No.	Description of work	Qty	Unit	Rate	Amount
6	Servicing of centrifugal pump set including replacement of required spares and placing in position, testing and commissioning. (The spares required will be paid separately.				
a	1 to 4 HP	2.00	Each	240.60	481.20
b	5 to 15 HP	4.00	Each	384.96	1,539.84
c	20 to 40 HP	8.00	Each	481.20	3,849.60
	<b>Total:-(Rs: Four lakhs thirteen thousand seven hundred fourteen and paise thirty seven only)</b>				<b>4,13,714.37</b>
Tender %		<b>Figures</b>			
Excess					
Less					
Estimate					

**Notes:**

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work.
2	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than service tax as applicable from time to time.
3	<b>Service tax</b> if paid by the contractor with respect to this work will be reimbursed by BHEL on production of documentary evidence for having paid the service tax by the contractor.
4	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
5	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.
6	The maintenance period of the work is <b>12 months</b> . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.