

**BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM :: HYDERABAD-32
TOWNSHIP ADMINISTRATION**

Schedule - A - Price bid

Tender Notice No.
HY/TA/OT-04/2018-19
Date: 14.05.2018

Name of work:- Repairs to submersible & centrifugal pump sets in Township.

SL.No.	Description of work	Qty	Unit	Rates	Amount
1	Repairs to submersible pumpsets of 2.5 to 5 H.P				
A	MOTOR PORTION				
a	Rewinding of motor	4	Each	2550.34	10201.36
b	Replacement of upper & lower bearing bushes.	7	Each	132.62	928.31
c	Studs and nuts/keys	3	Each	40.81	122.43
d	Thrust bearing sets	3	Each	153.02	459.06
e	Oil seals	3	Each	25.50	76.49
f	Cable joints to Motor	2	Each	51.02	102.04
g	Motor half couplings	5	Each	35.71	178.53
h	Lock rings	7	Each	10.21	71.46
i	DOL/IP bushes	10	Each	76.52	765.16
j	Supply & fixing of 3-core, 2.5 sq.mm copper conductor submersible flat cable.	250	Rmt	61.20	15301.00
k	Rotor reconditioning / Replacement	2.00	Each	102.01	204.03
B	PUMP PORTION				
a	Repairs & reconditioning of impellers and balancing.	4.00	Each	61.20	244.82
b	Shaft sleeves	7.00	Each	20.41	142.84
c	Replacement of impeller	10.00	Each	178.56	1785.63
d	Stage casing bowl bushes sets	13.00	Each	20.41	265.27
e	Suction strainer/sand guard	2.00	Each	20.41	40.81
f	Pump half coupling	3.00	Each	61.20	183.61
g	Labour charges for dismantling, overhauling, testing, painting, transporting, etc.,	4.00	Each	918.12	3672.46
h	Guide wins	4.00	Each	25.50	101.99
i	Replacing of pump shaft	2.00	Each	255.04	510.07
2	Repairs to submersible pumpsets of 8 to 12 H.P				
A	MOTOR PORTION				
a	Winding of motor	30.00	Each	3876.51	116295.30
b	Replacement of upper & lower bearing bushes.	50.00	Each	173.42	8670.75
c	Motor upper and lower flanges	65.00	Each	25.50	1657.37
d	Motor half couplings	35.00	Each	30.61	1071.46
e	Studs and nuts/keys	35.00	Each	40.81	1428.35
f	Rotor sleeves	35.00	Each	76.52	2678.06
g	Thrust bearing sets	20.00	Each	153.02	3060.42
h	Oil seal/circlips/lock rings	25.00	Each	20.41	510.13
i	Cable jointing to motor	20.00	Each	76.52	1530.32
j	Upper and lower bearings housing	20.00	Each	153.02	3060.42
k	Guide wings	13.00	Each	20.41	265.27
l	Stud rings	9.00	Each	102.01	918.13
m	Motor bottom base	11.00	Each	204.03	2244.31
n	Motor adapter	13.00	Each	204.03	2652.36
B	PUMP PORTION				
a	Repairs & reconditioning of impellers and balancing	28.00	Each	204.03	5712.78
b	Replacement of impellers 'Q' type	40.00	Each	153.02	6120.84
c	Stage casing bowl bushes sets	40.00	Each	102.01	4080.56
d	Stage casing 'Q' type	40.00	Each	25.50	1019.92
e	Suction strainer/sand guard	3.00	Each	51.02	153.05

Dy. Engineer/TA

Dy. Manager/TA-Plng

SL.No.	Description of work	Qty	Unit	Rates	Amount
f	Neck rings	40.00	Each	102.01	4080.56
g	DOL/IP bush	20.00	Each	132.62	2652.32
h	Shaft sleeves	90.00	Each	102.01	9181.26
i	Pump half couplings	30.00	Each	61.20	1836.12
j	Pump shaft (reconditioning)	15.00	Each	51.02	765.27
k	Pump shaft (replacing)	6.00	Each	255.04	1530.21
l	Pump stand	4.00	Each	178.53	714.12
m	N R V body	15.00	Each	285.64	4284.56
n	Labour charges for dismantling, overhauling, testing, painting, transporting, etc.	35.00	Each	1530.20	53556.97
3	Supply & Fixing of spares to the pumps				
a	Couplings set (20 to 40 HP)	7.00	sets	255.04	1785.25
b	Cast iron gland clamps for 40 HP pump.	10.00	sets	306.04	3060.42
c	Cast iron sleeves for 40 HP pump.	10.00	Sets	306.04	3060.42
d	Rubber bush L40x50 diax 23 ID-MM (1 set 6 nos)	40.00	Nos.	459.06	18362.52
e	Shaft sleeves (cast iron), 5 to 15 HP	6.00	Each	81.61	489.65
f	Shaft sleeves (castiron) 20 to 40 HP	6.00	Each	132.62	795.70
4	Supply & fixing of Ball bearing from 1 to 40 HP				
a	Bearing size 6310 / 6311 / 6312	15.00	Each	1428.19	21422.78
b	Bearing size 6308 / 6205 / 6304 / 6309	15.00	Each	408.06	6120.84
5	Winding of motors 1 to 40 HP				
a	Motor winding, 1 to 4 HP	6.00	Each	918.12	5508.69
b	5 to 15 HP	9.00	Each	2244.30	20198.67
c	20 to 40 HP	10.00	Each	9691.26	96912.64
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	280.54	561.09
b	5 to 15 HP	4.00	Each	448.87	1795.46
c	20 to 40 HP	8.00	Each	561.08	4488.62
Total(Rupees four lakhs sixty one thousands six hundred fifty one only.)					461,651.27
Tender %	In words	Figures			
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	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.				
3	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.				
4	The maintenance period of the work is 12 months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				
5	All the terms & conditions of the contract with respect to Taxes & Duties are subject to the new taxation laws introduced from time to time (e.g., GST). The terms & conditions will be modified in accordance with the provisions of new laws (e.g., GST)				