

## Subhead-5

Pump Motors & Related Works

Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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5.1 CENTRIFUGAL PUMP MOTOR SETSINGLE STAGE ( SINGLE PHASE )

(For lower capacity/smaller household requirement)

Providing of single stage 2800-2900 RPM monoblock type Centrifugal water pump motor set ( reservoir to overhead tank) manufactured according to relevant BDS standard and ISO 9906:2012, GRADE 3B/ DIN/ NEMA/ IEC/ BS/ VDE/ JIS/CEI 2-3/ CSA/ GS/ SONCAP/ ROHS & ISO 9001 (Quality) ISO 14001 (Environment and Safety) standard of following capacity suitable for operation at single phase, 230 V  $\pm$  5 %, 50 Hz AC having insulation: B & protection: IPX4 (minimum) & CE certified . Country of Manufacture: Bangladesh/ China/ Vietnam/ Malaysia as per sample accepted / approved by the Engineer-in-charge.

	HP	Discharge (liter/min)	Head (meter)	Suction dia (mm)	Delivery dia (mm)					
5.1.1	0.5	10-80	22-14	25	25	Set	6,424.00	6,424.00	6,424.00	6,424.00
5.1.2	1	10-100	30-12	25	25	Set	8,099.00	8,099.00	8,099.00	8,099.00
5.1.3	1	10-100	35-16	25	25	Set	12,945.00	12,945.00	12,945.00	12,945.00
5.1.4	1.5	30-120	38-22	32	25	Set	14,338.00	14,338.00	14,338.00	14,338.00
5.1.5	1.5	10-120	38-15	40	25	Set	13,866.00	13,866.00	13,866.00	13,866.00
5.1.6	1.5	10-120	39-20	32	25	Set	17,915.00	17,915.00	17,915.00	17,915.00
5.1.7	2	50-220	36-23	40	25	Set	20,614.00	20,614.00	20,614.00	20,614.00
5.1.8	2	10-200	37-19	38	25	Set	21,841.00	21,841.00	21,841.00	21,841.00
5.1.9	3	50-450	32-21	50	50	Set	30,020.00	30,020.00	30,020.00	30,020.00
5.1.10	3	100-500	26-5	50	50	Set	23,682.00	23,682.00	23,682.00	23,682.00
5.1.11	4	100-216	29-13	50	50	Set	35,953.00	35,953.00	35,953.00	35,953.00

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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**5.2 SINGLE STAGE ( SINGLE PHASE )**

Providing of single stage 2800-2900 RPM monoblock type Centrifugal water pump motor set ( reservoir to overhead tank) manufactured according to relevant BDS standard and ISO 9906:2012, GRADE 3B / DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed of following capacity suitable for operation at single phase, 230 V ± 5 %, 50 Hz AC having insulation: Class F & Protection: IPX4 (minimum) manufactured by company having minimum 30 years of manufacturing experience in their own industry .Country of Manufacture: EU Countries/ USA/ Japan/UK, as per sample accepted / approved by the Engineer-in-

	HP	Discharge (liter/min)	Head (meter)	Suction dia (mm)	Delivery dia (mm)					
5.2.1	0.5	10-80	22-14	25	25	Set	20,737.00	20,737.00	20,737.00	20,737.00
5.2.2	1	10-90	34-25	25	25	Set	26,627.00	26,627.00	26,627.00	26,627.00
5.2.3	1	20-100	32-20	25	25	Set	18,774.00	18,774.00	18,774.00	18,774.00
5.2.4	1.5	20-120	42-21	25	25	Set	31,535.00	31,535.00	31,535.00	31,535.00
5.2.5	1.5	100-450	24-8	50	50	Set	27,977.00	27,977.00	27,977.00	27,977.00
5.2.6	1.5	30-120	38-22	32	25	Set	43,806.00	43,806.00	43,806.00	43,806.00
5.2.7	2	20-120	50-32	25	25	Set	40,247.00	40,247.00	40,247.00	40,247.00
5.2.8	2	100-500	28-8	50	50	Set	31,658.00	31,658.00	31,658.00	31,658.00
5.2.9	2	50-220	37-23	40	25	Set	52,886.00	52,886.00	52,886.00	52,886.00

**5.3 SINGLE STAGE (THREE PHASE)**

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Providing of single stage 2800-2900 RPM centrifugal water pump motor set monoblock type (reservoir to overhead tank) manufactured according to relevant BDS standard and ISO 9906:2012, GRADE 3B / DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed of following capacity suitable for operation at 3- phase, 400 V  $\pm$  5 % 50 Hz AC having Insulation: Class F & Protection: IPX5 (minimum) manufactured by company having minimum 30 years of manufacturing experience in their own industry. Country of Manufacture: EU Countries/ USA/ Japan/UK, as per sample accepted / approved by the Engineer-in-charge.

	HP	Discharge (liter/min)	Head (meter)	Suction dia (mm)	Delivery dia (mm)					
5.3.1	3	17-233	62-8	40	40	Set	77,672.00	77,672.00	77,672.00	77,672.00
5.3.2	3	100-500	32-14	50	50	Set	49,450.00	49,450.00	49,450.00	49,450.00
5.3.3	4	100-450	37-24	50	38	Set	105,894.00	105,894.00	105,894.00	105,894.00
5.3.4	4	67-333	55-49	50	32	Set	85,648.00	85,648.00	85,648.00	85,648.00
5.3.5	5.5	100-700	38-20	65	40	Set	117,674.00	117,674.00	117,674.00	117,674.00
5.3.6	5.5	100-417	45-27	50	32	Set	95,832.00	95,832.00	95,832.00	95,832.00
5.3.7	7.5	100-900	46-15	50	50	Set	130,926.00	130,926.00	130,926.00	130,926.00
5.3.8	7.5	200-667	49-31	65	40	Set	108,594.00	108,594.00	108,594.00	108,594.00
5.3.9	10	100-900	61-26	50	50	Set	210,684.00	210,684.00	210,684.00	210,684.00
5.3.10	10	417-1250	40-25	65	50	Set	120,864.00	120,864.00	120,864.00	120,864.00
5.3.11	15	600-2400	37-23	80	65	Set	289,706.00	289,706.00	289,706.00	289,706.00
5.3.12	15	500-1833	38-28	80	65	Set	221,728.00	221,728.00	221,728.00	221,728.00
5.3.13	15	150-700	71-55	65	40	Set	160,375.00	160,375.00	160,375.00	160,375.00
5.3.14	20	100-7000	88-72	65	38	Set	309,462.00	309,462.00	309,462.00	309,462.00
5.3.15	20	200-667	88-71	65	40	Set	264,674.00	264,674.00	264,674.00	264,674.00
5.3.16	20	1167-3250	31-17	100	80	Set	246,269.00	246,269.00	246,269.00	246,269.00
5.3.17	20	450-1300	71-51	65	50	Set	170,805.00	170,805.00	170,805.00	170,805.00
5.3.18	25	667-2667	46-21	80	65	Set	264,674.00	264,674.00	264,674.00	264,674.00
5.3.19	25	450-1300	78-58	65	50	Set	181,849.00	181,849.00	181,849.00	181,849.00
5.3.20	30	200-2600	57-42	80	65	Set	421,368.00	421,368.00	421,368.00	421,368.00
5.3.21	30	417-1250	88-68	65	50	Set	288,356.00	288,356.00	288,356.00	288,356.00

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Item No.	Description of Item					Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
5.3.22	30	1167-3750	40-23	100	80	Set	280,994.00	280,994.00	280,994.00	280,994.00
5.3.23	40	833-4650	51-28	125	100	Set	683,957.00	683,957.00	683,957.00	683,957.00
5.3.24	40	417-1667	100-44	65	50	Set	427,013.00	427,013.00	427,013.00	427,013.00
5.3.25	40	1400-3750	50-38	100	80	Set	393,883.00	393,883.00	393,883.00	393,883.00
5.3.26	50	500-3900	62-40	80	65	Set	894,028.00	894,028.00	894,028.00	894,028.00
5.3.27	50	400-2500	87-62	80	65	Set	913,783.00	913,783.00	913,783.00	913,783.00
5.3.28	60	400-2600	95-68	80	65	Set	926,912.00	926,912.00	926,912.00	926,912.00
5.3.29	60	600-3600	77-54	100	80	Set	919,059.00	919,059.00	919,059.00	919,059.00
5.3.30	75	800-5150	75-48	127	100	Set	1,176,371.00	1,176,371.00	1,176,371.00	1,176,371.00
5.3.31	75	600-3900	88-60	80	65	Set	999,063.00	999,063.00	999,063.00	999,063.00
5.3.32	100	800-5750	89-59	127	100	Set	1,366,687.00	1,366,687.00	1,366,687.00	1,366,687.00
5.3.33	100	1333-4250	102-92	100	80	Set	1,443,009.00	1,443,009.00	1,443,009.00	1,443,009.00

#### 5.4 MULTI-STAGE (THREE PHASE)

Providing of following capacity 2800-2900 RPM multi-stage Centrifugal water pump-motor set manufactured according to relevant BDS standard and ISO 9906:2012, GRADE 3B DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed complete with gaskets, bolts, nuts & standard, accessories etc. or closed coupled as required coupled with 1-phase / 3-phase, 230/400 V  $\pm$  5%, 50 Hz AC having Insulation: Class F & Protection : IP44 (minimum), 2900 RPM horizontal motor having six terminals for star-delta or DOL starting & totally enclosed fan cooled & in built thermal protection etc. suitable for multi-storied high rise building manufactured by company having minimum 30 years of manufacturing experience in their own factory. Country of Manufacture: EU Countries/ USA/ Japan/UK, as per sample accepted / approved by the Engineer-in-charge.

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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	HP	Discharge (liter/min)	Head (meter)	Suction dia (mm)	Delivery dia (mm)					
5.4.1	1.5	17-200	42-15	38.1	30	Set	46,628.00	46,628.00	46,628.00	46,628.00
5.4.2	1.8	30-140	64-18	25	25	Set	55,831.00	55,831.00	55,831.00	55,831.00
5.4.3	2	60-240	43-13	40	32	Set	80,372.00	80,372.00	80,372.00	80,372.00
5.4.4	2	17-233	49-17	38.1	30	Set	49,695.00	49,695.00	49,695.00	49,695.00
5.4.5	3	20-160	67-32	40	25	Set	74,236.00	74,236.00	74,236.00	74,236.00
5.4.6	3	50-150	59-37	30	25	Set	64,420.00	64,420.00	64,420.00	64,420.00
5.4.7	3	30-140	106-30	32	32	Set	98,777.00	98,777.00	98,777.00	98,777.00
5.4.8	5.5	100-350	67-35	50	38	Set	133,748.00	133,748.00	133,748.00	133,748.00
5.4.9	5.5	67-267	79-44	38.1	30	Set	115,956.00	115,956.00	115,956.00	115,956.00
5.4.10	5.5	100-400	66-30	50	50	Set	135,589.00	135,589.00	135,589.00	135,589.00
5.4.11	7.5	100-400	73-46	50	38	Set	138,534.00	138,534.00	138,534.00	138,534.00
5.4.12	7.5	67-267	86-56	38.1	30	Set	119,637.00	119,637.00	119,637.00	119,637.00
5.4.13	10	100-400	85-60	50	38	Set	160,130.00	160,130.00	160,130.00	160,130.00
5.4.14	10	83-300	93-58	38.1	30	Set	129,454.00	129,454.00	129,454.00	129,454.00
5.4.15	10	100-400	125-56	50	50	Set	288,970.00	288,970.00	288,970.00	288,970.00
5.4.16	15	100-450	102-69	50	38	Set	289,461.00	289,461.00	289,461.00	289,461.00
5.4.17	15	667-167	147-51	65	65	Set	172,400.00	172,400.00	172,400.00	172,400.00

5.5 SELF PRIMING JET PUMP MOTOR SET

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Providing of following capacity multistage horizontal stainless steel Submersible Water Pump Motor set manufactured according to relevant BDS standard and ISO 9906:2012, Grade 3B / DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed comprising of 2900 RPM, single / three phase Submersible motor having Insulation : Class F & Protection: IP68 (minimum), suitable for operation at 400 V  $\pm$  5% , 50 Hz AC supply, non-return valve with 10 meters long required marine cable in a single length etc. complete in all respect manufactured by company having minimum 30 years of manufacturing experience in their own industry. Country of Manufacture: EU Countries/ USA/ Japan/UK, as per sample accepted / approved by the Engineer-in-charge.

	HP	Discharge (liter/min)	Head (meter)	Delivery dia (mm)	Column pipe dia (mm)					
5.6.1	15	100-800	123-37	80	80	Set	854,026.00	854,026.00	854,026.00	854,026.00
5.6.2	20	200-1001	128-48	80	80	Set	919,673.00	919,673.00	919,673.00	919,673.00
5.6.3	20	100-800	167-51	80	80	Set	972,191.00	972,191.00	972,191.00	972,191.00
5.6.4	20	400-1667	82-30	127	125	Set	495,114.00	495,114.00	495,114.00	495,114.00

5.7 **SUBMERSIBLE PUMP MOTOR SET**  
**(for deep tube well)**

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Providing of following capacity multistage Bore-well Submersible water Pump Motor set manufactured according to relevant BDS standard and ISO 9906:2012, Grade 3B / DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed comprising of 2900 RPM, single/ three phase submersible rewindable type (oil / water cooled ) motor having insulation : Class F & Protection : IP68 (minimum), suitable for operation at 230 /400 V ± 5% , 50 Hz AC supply, non-return valve with 10 meters long marine cable (total required length of marine cable including this 10 meters shall be in a single length) etc. complete in all respect manufactured by company having minimum 30 years of manufacturing experience. Country of Manufacture: EU Countries/ USA/ Japan/UK, in their own industry as per sample accepted / approved by the Engineer-in-charge

	HP	Discharge (liter / min)	Head (meter)	Tube-well dia (mm)	Column pipe dia (mm)					
5.7.1	0.75	13-53	69-30	100	31.25	Set	61,966.00	61,966.00	61,966.00	61,966.00
5.7.2	1	25-100	58-18	100	31.25	Set	58,898.00	58,898.00	58,898.00	58,898.00
5.7.3	1	13-53	81-35	100	31.25	Set	70,555.00	70,555.00	70,555.00	70,555.00
5.7.4	1.5	33-133	68-19	100	50.00	Set	68,101.00	68,101.00	68,101.00	68,101.00
5.7.5	1.5	10-58	104-30	100	31.25	Set	74,850.00	74,850.00	74,850.00	74,850.00
5.7.6	2	40-200	58-21	150	31.25	Set	151,663.00	151,663.00	151,663.00	151,663.00
5.7.7	2	50-300	37-14	150	50	Set	160,866.00	160,866.00	160,866.00	160,866.00
5.7.8	3	25-150	107-45	150	50	Set	217,310.00	217,310.00	217,310.00	217,310.00
5.7.9	3	20-100	162-63	150	31.25	Set	213,384.00	213,384.00	213,384.00	213,384.00
5.7.10	3	50-300	55-22	150	50	Set	205,285.00	205,285.00	205,285.00	205,285.00
5.7.11	4	50-375	60-15	150	50	Set	226,513.00	226,513.00	226,513.00	226,513.00
5.7.12	5.5	40-200	150-53	150	50	Set	236,943.00	236,943.00	236,943.00	236,943.00
5.7.13	5.5	50-300	97-38	150	50	Set	220,501.00	220,501.00	220,501.00	220,501.00
5.7.14	5.5	50-375	77-19	150	50	Set	230,440.00	230,440.00	230,440.00	230,440.00
5.7.15	5.5	233-567	40-15	200	65	Set	258,294.00	258,294.00	258,294.00	258,294.00

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Item No.	Description of Item					Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
5.7.16	7.5	40-200	200-72	200	50	Set	288,356.00	288,356.00	288,356.00	288,356.00
5.7.17	7.5	50-300	135-53	200	50	Set	282,957.00	282,957.00	282,957.00	282,957.00
5.7.18	7.5	50-450	81-32	200	80	Set	341,978.00	341,978.00	341,978.00	341,978.00
5.7.19	7.5	67-300	101-23	200	80	Set	331,917.00	331,917.00	331,917.00	331,917.00
5.7.20	7.5	133-433	109-28	200	65	Set	270,564.00	270,564.00	270,564.00	270,564.00
5.7.21	7.5	333-1067	48-17	200	80	Set	262,588.00	262,588.00	262,588.00	262,588.00
5.7.22	10	50-450	121-48	200	80	Set	460,143.00	460,143.00	460,143.00	460,143.00
5.7.23	10	100-600	92-31	200	80	Set	453,640.00	453,640.00	453,640.00	453,640.00
5.7.24	10	200-1000	54-22	200	80	Set	486,402.00	486,402.00	486,402.00	486,402.00
5.7.25	10	100-800	89-27	200	80	Set	433,884.00	433,884.00	433,884.00	433,884.00
5.7.26	15	200-1000	87-35	200	80	Set	590,210.00	590,210.00	590,210.00	590,210.00
5.7.27	20	400-1600	68-38	300	100	Set	591,437.00	591,437.00	591,437.00	591,437.00
5.7.28	20	400-1667	82-30	300	125	Set	495,114.00	495,114.00	495,114.00	495,114.00
5.7.29	20	400-1200	102-46	200	80	Set	460,757.00	460,757.00	460,757.00	460,757.00
5.7.30	25	400-1667	96-39	300	125	Set	531,926.00	531,926.00	531,926.00	531,926.00
5.7.31	25	200-1000	140-46	300	80	Set	540,515.00	540,515.00	540,515.00	540,515.00
5.7.32	30	400-1667	120-49	300	125	Set	603,094.00	603,094.00	603,094.00	603,094.00
5.7.33	40	800-2000	138-60	300	127	Set	762,120.00	762,120.00	762,120.00	762,120.00
5.7.34	40	400-1667	173-68	300	125	Set	756,230.00	756,230.00	756,230.00	756,230.00
5.7.35	50	800-2000	160-72	300	150	Set	945,932.00	945,932.00	945,932.00	945,932.00
5.7.36	50	833-2667	115-60	300	125	Set	933,170.00	933,170.00	933,170.00	933,170.00
5.7.37	50	800-2250	123-60	300	125	Set	982,252.00	982,252.00	982,252.00	982,252.00
5.7.38	60	800-2000	180-90	300	127	Set	1,129,744.00	1,129,744.00	1,129,744.00	1,129,744.00
5.7.39	60	800-2416	146-55	300	125	Set	1,080,416.00	1,080,416.00	1,080,416.00	1,080,416.00
5.7.40	60	833-2667	138-72	300	125	Set	1,055,875.00	1,055,875.00	1,055,875.00	1,055,875.00
5.7.41	75	800-2000	184-94	300	150	Set	1,247,908.00	1,247,908.00	1,247,908.00	1,247,908.00
5.7.42	80	1800-3800	128-36	300	125	Set	1,264,473.00	1,264,473.00	1,264,473.00	1,264,473.00
5.7.43	90	800-2000	230-120	300	150	Set	1,379,203.00	1,379,203.00	1,379,203.00	1,379,203.00

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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**5.8 SUBMERSIBLE SEWAGE PUMP MOTOR SET  
(for community water supply)**

Providing of single stage Submersible sewage pump motor for pumping all kind of dirty liquid, like sewage, continue fiber and solid metal, waste water including dewatering liquid & areas liable to flooding with dirty water & can be operate on single phase 230 V ± 5% 50 Hz AC supply with built in thermal over load protection, or three phase 400 V ± 5% 50 Hz AC supply direct on line starter having Insulation : Class F & Protection : IP68 (minimum), with 10 meters long required marine cable in a single length made in accordance with relevant BDS standard and ISO 9906:2012, GRADE 3B/ DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed, manufactured by Company having minimum 30 years of manufacturing experience. Country of Manufacture: EU Countries/ USA/ Japan/UK, in their own industry as per sample accepted / approved by the Engineer-in-charge.

	HP	Discharge (liter/min)	Head (meter)					
5.8.1	1	80-550	11-1	Set	59,757.00	59,757.00	59,757.00	59,757.00
5.8.2	1	25-325	14.5-2	Set	47,241.00	47,241.00	47,241.00	47,241.00
5.8.3	1	60-380	12-1	Set	52,150.00	52,150.00	52,150.00	52,150.00
5.8.4	1.5	50-400	18-2	Set	129,331.00	129,331.00	129,331.00	129,331.00
5.8.5	1.5	100-450	17-2	Set	92,519.00	92,519.00	92,519.00	92,519.00
5.8.6	2	80-980	12-2	Set	158,167.00	158,167.00	158,167.00	158,167.00
5.8.7	2	83-650	18-4.5	Set	88,347.00	88,347.00	88,347.00	88,347.00

*[Handwritten signatures and initials in blue ink at the bottom of the page, including 'AA', 'BB', 'CC', 'DD', 'EE', 'FF', 'GG', 'HH', 'II', 'JJ', 'KK', 'LL', 'MM', 'NN', 'OO', 'PP', 'QQ', 'RR', 'SS', 'TT', 'UU', 'VV', 'WW', 'XX', 'YY', 'ZZ']*



Item No.	Description of Item			Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
5.8.8	3	80-1175	18-2	Set	138,043.00	138,043.00	138,043.00	138,043.00
5.8.9	3	80-580	28-2	Set	118,778.00	118,778.00	118,778.00	118,778.00
5.8.10	3	80-1130	18-2	Set	117,183.00	117,183.00	117,183.00	117,183.00

5.9 **SUBMERSIBLE PUMP MOTOR SET**  
(for fountain & reservoir)

Providing of single stage submersible sump pump motor set , single entry closed coupled unit with marine cable & standard accessories for fountain & reservoir & can be operate on single phase 230 V  $\pm$  5% 50 Hz AC supply with built in thermal over load protection, or three phase 400 V  $\pm$  5% 50 Hz AC supply direct on line starter having Insulation : Class F & Protection : IP68 (minimum), with 10 meters long required marine cable in a single length made in accordance with relevant BDS standard and ISO 9906:2012, GRADE 3B/ DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard. CE certified / UL listed, manufactured by Company having minimum 30 years of manufacturing experience in their own industry. Country of Manufacture: EU Countries/ USA/ Japan/UK, as per sample accepted / approved by the Engineer-in-charge.

HP	Discharge (liter/min)	Head (meter)
1 HP	25-325	14.5-2
2 HP	50-300	21-13
3 HP	80-580	28-2
5 HP	200-1200	17.5-4

5.9.1	1 HP	25-325	14.5-2	Set	52,886.00	52,886.00	52,886.00	52,886.00
5.9.2	2 HP	50-300	21-13	Set	80,126.00	80,126.00	80,126.00	80,126.00
5.9.3	3 HP	80-580	28-2	Set	92,397.00	92,397.00	92,397.00	92,397.00
5.9.4	5 HP	200-1200	17.5-4	Set	221,237.00	221,237.00	221,237.00	221,237.00

5.10 **INSTALLATION OF WATER PUMP MOTOR SET**

*[Handwritten signatures and marks are present below the section header, including a large blue signature on the left and several other signatures in black and blue ink.]*

Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Installation, testing and commissioning of the following capacity centrifugal water pump-motor set on 304.8 mm (1') high (152.4 mm below and 152.4 mm above floor level) CC (1:2:4 ) base of required size with 12.7 mm (½") thick (1:4) cement plastering and neat cement finishing over the exposed CC surface, providing and fixing necessary bolts, nuts, vibration isolator with making all electrical and pipe connection as per direction of the Engineer-in-charge.

5.10.1	Up to 3 HP	Job	3,682.00	3,614.00	3,364.00	3,364.00
5.10.2	From 4 to 7.5 HP	Job	10,430.00	10,242.00	9,533.00	9,533.00
5.10.3	From 10 to 20 HP	Job	15,706.00	15,424.00	14,355.00	14,355.00
5.10.4	From 25 to 40 HP	Job	24,541.00	24,099.00	22,430.00	22,430.00
5.10.5	Above 40 HP	Job	30,676.00	30,124.00	28,038.00	28,038.00

**5.11** Installation, testing and commissioning of the following capacity deep well submersible pump-motor set by lowering down and connecting pump bowl assembly and column pipes with marine cable with the help of chain pulley after checking and testing the Pump Motor set including filling distilled water supplying and fixing a long bend, 6.35 mm thick M.S sheet tube-well cover required heavy duty holding clamp with nuts, bolts, and making all electrical and pipe connection complete as per direction of the Engineer-in-charge.

5.11.1	Up to 7.5 HP	Job	18,406.00	18,074.00	16,823.00	16,823.00
5.11.2	10 HP to 20 HP	Job	26,995.00	26,509.00	24,673.00	24,673.00
5.11.3	25 HP to 40 HP	Job	36,811.00	36,149.00	33,646.00	33,646.00
5.11.4	50 HP to 80 HP	Job	44,456.00	43,656.00	40,632.00	40,632.00
5.11.5	90 HP to 100 HP	Job	55,217.00	54,223.00	50,469.00	50,469.00

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
5.12	Installation, testing and commissioning of the following capacity horizontal submersible pump-motor set by lowering horizontally and connecting pump bowl assembly and column pipes with marine cable with the help of chain pulley after checking and testing the Pump Motor set including filling distilled water supplying and fixing a long bend, 6.35 mm thick M.S sheet tube-well cover required heavy duty holding clamp with nuts, bolts, and making all electrical and pipe connection complete as per direction of the Engineer-in-charge.					
5.12.1	10 HP	Job	42,947.00	42,174.00	39,253.00	39,253.00
5.12.2	15 HP	Job	49,082.00	48,198.00	44,861.00	44,861.00
5.12.3	20 HP	Job	61,352.00	60,248.00	56,076.00	56,076.00

5.13 AUTO CONTROLLER ( For lifting pump, from Underground reservoir to Overhead reservoir)

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Supply and installation of metal clad surface mounting type 3- phase 400 V  $\pm$  5% 50 Hz automatic motor control panel for the following capacity centrifugal pump motor set. This device will get sense to start pump when water in the overhead tank get down to a certain level and will stop when the water in the tank reach to a certain level. This process will be same for the underground reservoir. Main component manufactured in accordance with relevant BDS standard and ISO 9906:2012, GRADE 3B/ DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard comprising of circuit breaker of required capacity, ammeter and voltmeter with selector switch of proper current ratio & burden, indicating light for 3-phase, on-trip indicating lamp, main & auxiliary contactors, thermal over load relay timer, on / off push button, electrical relay for protection against phase failure, phase reverse complete with necessary wires, cables, lugs, cable ties, connection etc. as per direction of the Engineer-in-charge.

**With DOL Starter**

5.13.1	3-5 HP	Each	21,780.00	21,780.00	21,780.00	21,780.00
5.13.2	7.5 HP	Each	27,056.00	27,056.00	27,056.00	27,056.00

**With Star Delta Starter**

5.13.3	10 HP	Each	29,020.00	29,020.00	29,020.00	29,020.00
5.13.4	12.5 HP – 15 HP	Each	32,946.00	32,946.00	32,946.00	32,946.00
5.13.5	20 HP	Each	40,554.00	40,554.00	40,554.00	40,554.00
5.13.6	25 HP	Each	44,235.00	44,235.00	44,235.00	44,235.00
5.13.7	30 HP	Each	51,597.00	51,597.00	51,597.00	51,597.00
5.13.8	40 HP	Each	61,414.00	61,414.00	61,414.00	61,414.00
5.13.9	50 HP	Each	73,684.00	73,684.00	73,684.00	73,684.00
5.13.10	60 HP	Each	92,090.00	92,090.00	92,090.00	92,090.00
5.13.11	75 HP	Each	110,496.00	110,496.00	110,496.00	110,496.00

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
5.13.12	85 HP	Each	122,766.00	122,766.00	122,766.00	122,766.00
5.13.13	100 HP	Each	135,037.00	135,037.00	135,037.00	135,037.00

**5.14 AUTOMATIC STAR-DELTA MOTOR CONTROL PANEL (For Submersible Pump, from deep tubewell to reservoir)**

Supply and installation of metal clad surface mounting type 3- phase 400 V  $\pm 5\%$  50 Hz automatic star-delta motor control panel for the following capacity submersible pump motor set. This device will get sense to start pump when water in the overhead tank get down to a certain level and will stop when the water in the tank reach to a certain level. Main component manufactured in accordance with relevant BDS standard and ISO 9906:2012, GRADE 3B/ DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard comprising of circuit breaker of required capacity, ammeter and voltmeter with selector switch of proper current ratio & burden, indicating light for 3-phase, on-trip indicating lamp, main & auxiliary contactors, thermal over load relay timer, on / off push button, electrical relay for protection against phase failure, phase reverse complete with necessary wires, cables, lugs, cables ties, connection etc. as per direction of the Engineer in charge.

5.14.1	3 - 5 HP	Each	25,829.00	25,829.00	25,829.00	25,829.00
5.14.2	7.5 HP	Each	30,124.00	30,124.00	30,124.00	30,124.00
5.14.3	10 HP	Each	34,419.00	34,419.00	34,419.00	34,419.00
5.14.4	12.5 HP-15 HP	Each	39,327.00	39,327.00	39,327.00	39,327.00
5.14.5	20 HP	Each	41,781.00	41,781.00	41,781.00	41,781.00
5.14.6	25 HP	Each	46,689.00	46,689.00	46,689.00	46,689.00
5.14.7	30 HP	Each	54,051.00	54,051.00	54,051.00	54,051.00
5.14.8	40 HP	Each	82,274.00	82,274.00	82,274.00	82,274.00
5.14.9	50 HP	Each	101,906.00	101,906.00	101,906.00	101,906.00
5.14.10	60 HP	Each	110,496.00	110,496.00	110,496.00	110,496.00

Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
5.14.11	75 HP	Each	114,177.00	114,177.00	114,177.00	114,177.00
5.14.12	85 HP	Each	139,945.00	139,945.00	139,945.00	139,945.00
5.14.13	100 HP	Each	159,578.00	159,578.00	159,578.00	159,578.00

#### 5.15 BUTTERFLY VALVE & SLUICE VALVE

Providing & fixing of the following butterfly valves / sluice valve with cast iron flat body, inside stem screw, non rising bronze spindle, taper seat, bronze spindle nuts, bush & gland nuts etc. with all other standard accessories manufactured according to relevant BDS standard and DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard manufactured in EU/G7 countries as per sample accepted / approved by the Engineer-in-charge.

5.15.1	Dia 25 mm (1")	Each	1,706.00	1,702.00	1,690.00	1,690.00
5.15.2	Dia 32 mm (1.25")	Each	2,135.00	2,131.00	2,119.00	2,119.00
5.15.3	Dia 40 mm (1.5")	Each	2,595.00	2,592.00	2,579.00	2,579.00
5.15.4	Dia 50 mm (2")	Each	3,853.00	3,849.00	3,837.00	3,837.00
5.15.5	Dia 65 mm (2.5")	Each	5,448.00	5,444.00	5,432.00	5,432.00
5.15.6	Dia 75 mm (3")	Each	6,227.00	6,224.00	6,211.00	6,211.00
5.15.7	Dia 100 mm (4")	Each	7,743.00	7,739.00	7,727.00	7,727.00
5.15.8	Dia 150 mm (6")	Each	9,583.00	9,580.00	9,567.00	9,567.00
5.15.9	Dia 200 mm (8")	Each	13,363.00	13,359.00	13,347.00	13,347.00

#### 5.16 REFLEX VALVE (non-return valve)

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Item No.	Description of Item	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Providing & fixing cast iron reflex valve (non-return valve) with cast iron body, reflex valve cover plate, flap, valve disc & flap lined with leather, cast iron hanging arm, stainless steel louver shaft & bolt with cover gasket etc. including all other standard accessories manufactured according to DIN / NEMA / IEC / BS / VDE / JIS & ISO 9001:2015 standard manufactured in EU/G7 countries as per sample accepted / approved by the Engineer-in-charge.

5.16.1	Dia 25 mm (1")	Each	1,669.00	1,666.00	1,658.00	1,658.00
5.16.2	Dia 32 mm (1.25")	Each	2,221.00	2,219.00	2,210.00	2,210.00
5.16.3	Dia 40 mm (1.5")	Each	2,650.00	2,648.00	2,639.00	2,639.00
5.16.4	Dia 50 mm (2")	Each	3,325.00	3,323.00	3,314.00	3,314.00
5.16.5	Dia 75 mm (3")	Each	7,006.00	7,004.00	6,995.00	6,995.00
5.16.6	Dia 100 mm (4")	Each	10,491.00	10,489.00	10,480.00	10,480.00
5.16.7	Dia 150 mm (6")	Each	15,596.00	15,593.00	15,585.00	15,585.00

#### 5.17 COLUMN PIPE

Providing of following dia 3.78 meter (10'-0) long column pipe to be connected with submersible Pump Motor set made of steel column pipe "Special" grade (minimum thickness 4mm) with all standard accessories including special flange at both ends including anticorrosive painting etc. as per sample accepted / approved by the Engineer-in-charge.

5.17.1	32 mm (1.25") dia	Each	2,314.00	2,314.00	2,314.00	2,314.00
5.17.2	50 mm (2") dia	Each	3,463.00	3,463.00	3,463.00	3,463.00
5.17.3	80 mm (3") dia	Each	5,551.00	5,551.00	5,551.00	5,551.00
5.17.4	100 mm (4") dia	Each	7,901.00	7,901.00	7,901.00	7,901.00
5.17.5	125 mm (5") dia	Each	9,648.00	9,648.00	9,648.00	9,648.00
5.17.6	150 mm (6") dia	Each	11,596.00	11,596.00	11,596.00	11,596.00

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