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KERALA WATER AUTHORITY

Jalabhavan Thiruvananthapuram-695033 Kerala

No. 9710/AE 15/2021/KWA

Dated: 08.02.2023

<u>CIRCULAR</u>

- Sub:- KWA Emapanelment of suppliers/manufacturers and incorporation of rates in KWASoR for Pumps, Motors and starters -Adoption of rates for estimation purpose-directions issued - reg;
- Ref :- 1.Proceedings No.KWA/HO/SP-333/2014 DTD 18/03/2016 of the Managing Director,KWA

2.Letter no. WS-C2/71/2021-WRD-II dated 21.10.21 of the Secretary to Govt., Water Resources (WS-C) Dept., Govt. Of Kerala

3. The meeting convened by the Chief Secretary dt 15-11-2022 to discuss the reasons for non-conclusion of KWA tenders.

4.Letter No.9710/AE 15/2021/KWA dtd 24.11.2022 of The Managing Director,KWA addressed to Govt.

5.Letter No. WS-C2/164/2022-WRD Dtd 23/01/2023 of the Additional Chief Secretary to Govt, Water Resource (Water Supply C) Department

6. Meeting held by The Chief Engineer(Projects & Operations) on 6/02/2023

The rates of centrifugal pumps and the details such as procedure for calculating the total cost of pump set, guide lines for preparation of estimate and tender schedule for CF pumps, Specification, sample tender schedule etc were published and the same is being followed by KWA as per ref(1) cited above.

Government of Kerala vide reference (2) cited above, directed to pre-qualify and publish a list of qualified suppliers/manufacturers based on requirements and guidelines of Kerala Water Authority and to submit the list of qualified suppliers/manufactures (vendor list) along with the rates for items included in KWA SoR, after an extensive market study, duly verified and certified by Kerala Water Authority, to Government of Kerala for approval.Accordingly KWA arranged EOI for



empanelment for pumps,motors etc and the budgetary offer for the supply of pumps,motors,starters from the above firm submitted to GoK for approval and subsequent adoption in PRICE 3.0.

The above rates were approved by GoK vide ref(5) with a direction to incorporate the above rates in PRICE 3.0 only for a period upto 30.06.2023 and beyond which meticulous empanelment of reputed firms to be completed by KWA. The above instruction are released with the intention to facilitate JJM and other priority tenders to be processed without any delay in the meantime.

The approved rates from GoK are submitted to PRICE PMU for inclusion in PRICE 3.0 which may take a little more time,hence it is hereby instructed to adopt the above rate in the estimate being processed in the meantime.

Please note that the above rates are applicable only for the supply of individual items like pumps,motors,starters and the estimate for supply and erection to be generated adopting the above rates applicable for the supply of the above items.

ANILKUMAR K K

Chief Engineer (Projects and Operations)

То

1.The Chief Engineer(SR/CR/NR/PPD & WASCON),PA to MD, AE to TM, CA to CE (HRD&GL), CA to CE (P&O),CA to FM&CAO, DCEs, HO, Secretary, KWA

Copy to:-

- 1.All Superintending Engineers(Circle Offices)-for urgent necessary action
- 2.All Executive Engineers(Division Offices)-for urgent necessary action
- 3.All Assistant Executive Engineers(Sub Division Offices)-for urgent necessary action
- 4.All Assistant Engineers(Section Offices)-for urgent necessary action



	Vertical Turbine Pu	imps Rates in Rs./Hp)	
		p to 20 m	·	
Sl.No	НР	Rates recommended for approval	Remarks	
1	Up to 10 HP	16450	Lowest quoted ra	
2	>10 HP to 20 HP	18666	Lowest quoted ra	
3	>20 HP to 30 HP	22222	Lowest quoted ra	
4	>30 HP to 50 HP 23900		Lowest quoted ra	
5	>50 HP to 99 HP	22500	Lowest quoted ra	
6	>100 HP to 150 HP	22000	Lowest quoted ra	
7	>150 HP to 200 HP	21500	Lowest quoted ra	
8	Above 200 HP	20600	Lowest quoted ra	
	Head - 20	0 m to 50 m		
Sl.No	НР	Rates recommended for approval	Remarks	
1	Up to 10 HP	18850	Lowest quoted ra	
2	>10 HP to 20 HP	20299	Lowest quoted ra	
3	>20 HP to 30 HP	24182	Lowest quoted ra	
4	>30 HP to 50 HP	23900	Lowest quoted ra	
5	>50 HP to 99 HP 230		Lowest quoted ra	
6	>100 HP to 150 HP	22500	Lowest quoted ra	
7	>150 HP to 200 HP	21500	Lowest quoted ra	
8	Above 200 HP	20600	Lowest quoted ra	
	Head - 50) m to 100 m		
SI.No	НР	Rates recommended	Remarks	
		for approval		
1	Up to 10 HP	26500	Lowest quoted ra	
2	>10 HP to 20 HP	20237	Lowest quoted ra	
3	>20 HP to 30 HP	24108	Lowest quoted ra	
4	>30 HP to 50 HP	24300	Lowest quoted ra	
5	>50 HP to 99 HP	22600	Lowest quoted ra	
6	>100 HP to 150 HP	21600	Lowest quoted ra	
7	>150 HP to 200 HP	20900	Lowest quoted ra	
8	Above 200 HP	20500	Lowest quoted ra	
I	Head - 100	0 m to 150 m	1	
SI.No	HP	Rates recommended	Remarks	
1	NO 110 +A 20 110	for approval	I orugat av -t- J	
1	>20 HP to 30 HP	25800	Lowest quoted ra	
2 3	>30 HP to 50 HP	25500	Lowest quoted ra	
3 4	>50 HP to 99 HP	24600	Lowest quoted ra	
	>100 HP to 150 HP	23500	Lowest quoted ra	
5	>150 HP to 200 HP Above 200 HP	22800 21900	Lowest quoted ra	
0		oove 150m	Lowest quoted ra	





SI.No	НР	Rates recommended for approval	Remarks
Sl.No	HP	Rates recommended for approval	Remarks
1	>30 HP to 50 HP	24900	Lowest quoted rate
2	>50 HP to 99 HP	23800	Lowest quoted rate
3	>100 HP to 150 HP	22500	Lowest quoted rate
4	>150 HP to 200 HP	21900	Lowest quoted rate
5	Above 200 HP	21000	Lowest quoted rate

C	Centrifugal Horizontal Split C	age Pumps(Rates in R	s./Hp)
	Head up	to 20 m	
SI.No	НР	Rates recommended for approval	Remarks
1	Up to 10 HP	12373	Lowest quoted rate
2	>10 HP to 20 HP	17676	Lowest quoted rate
3	>20 HP to 30 HP	23200	Lowest quoted rate
4	>30 HP to 50 HP	22800	Lowest quoted rate
5	>50 HP to 99 HP	21900	Lowest quoted rate
6	>100 HP to 150 HP	21000	Lowest quoted rate
7	>150 HP to 200 HP	20900	Lowest quoted rate
8	Above 200 HP	21000	Lowest quoted rate
·	Head - 20	m to 50 m	
SI.No		Rates recommended	Domorika
51.NO	НР	for approval	Remarks
1	Up to 10 HP	15590	Lowest quoted rate
2	>10 HP to 20 HP	19512	Lowest quoted rate
3	>20 HP to 30 HP	23900	Lowest quoted rate
4	>30 HP to 50 HP	22800	Lowest quoted rate
5	>50 HP to 99 HP	21900	Lowest quoted rate
6	>100 HP to 150 HP	20500	Lowest quoted rate
7	>150 HP to 200 HP	19800	Lowest quoted rate
8	Above 200 HP	22000	Lowest quoted rate
	Head - 50 r	n to 100 m	-
Sl.No	НР	Rates recommended for approval	Remarks
1	Up to 10 HP	20199	Lowest quoted rate
2	>10 HP to 20 HP	22447	Lowest quoted rate
3	>20 HP to 30 HP	23900	Lowest quoted rate
4	>30 HP to 50 HP	23200	Lowest quoted rate
5	>50 HP to 99 HP	21500	Lowest quoted rate
6	>100 HP to 150 HP	20850	Lowest quoted rate
7	>150 HP to 200 HP	19900	Lowest quoted rate
8	Above 200 HP	22500	Lowest quoted rate
	Head - 100	m to 150 m	



Sl.No	HP	Rates recommended for approval	Remarks
Sl.No	HP	Rates recommended for approval	Remarks
1	Up to 10 HP	22792	Lowest quoted rate
2	>10 HP to 20 HP	24000	Lowest quoted rate
3	>20 HP to 30 HP	23800	Lowest quoted rate
4	>30 HP to 50 HP	22800	Lowest quoted rate
5	>50 HP to 99 HP	22000	Lowest quoted rate
6	>100 HP to 150 HP	21000	Lowest quoted rate
7	>150 HP to 200 HP	20000	Lowest quoted rate
8	Above 200 HP	23000	Lowest quoted rate
	Head above	150m	
SI.No	HP	Rates recommended	Remarks
51.140	IIF	for approval	Nemarks
1	Up to 10 HP	25500	Lowest quoted rate
2	>10 HP to 20 HP	24800	Lowest quoted rate
3	>20 HP to 30 HP	24500	Lowest quoted rate
4	>30 HP to 50 HP	23900	Lowest quoted rate
5	>50 HP to 99 HP	22900	Lowest quoted rate
6	>100 HP to 150 HP	21000	Lowest quoted rate
7	>150 HP to 200 HP	20500	Lowest quoted rate
8	Above 200 HP	24500	Lowest quoted rate

	Head u	p to 20 m	
SI.No	НР	Rates recommended for approval	Remarks
1	Up to 10 HP	21387	Lowest quoted rat
2	>10 HP to 20 HP	23950	Lowest quoted rat
3	>20 HP to 30 HP	23100	Lowest quoted rat
4	>30 HP to 50 HP	22500	Lowest quoted rat
5	>50 HP to 99 HP	21750	Lowest quoted rat
	Head - 20) m to 50 m	
SI.No	НР	Rates recommended for approval	Remarks
1	Up to 10 HP	21223	Lowest quoted rat
2	>10 HP to 20 HP	24850	Lowest quoted rat
3	>20 HP to 30 HP	23500	Lowest quoted rat
4	>30 HP to 50 HP	23200	Lowest quoted rat
5	>50 HP to 99 HP	22850	Lowest quoted rat
	Head - 50	m to 100 m	
SI.No	НР	Rates recommended for approval	Remarks
1	Up to 10 HP	25500	Lowest quoted rat
2	>10 HP to 20 HP	24700	Lowest quoted rat



Sl.No	НР	Rates recommended for approval	Remarks		
3	>20 HP to 30 HP	23200	Lowest quoted rate		
4	>30 HP to 50 HP	22500	Lowest quoted rate		
5	>50 HP to 99 HP	21900	Lowest quoted rate		
6	>100 HP to 150 HP	20110	Lowest quoted rate		
	Head - 100 m 1	to 150 m			
Sl.No	НР	Rates recommended for approval	Remarks		
1	>30 HP to 50 HP	23500	Lowest quoted rate		
2	2 >50 HP to 99 HP 22600		>50 HP to 99 HP 22600	22600	Lowest quoted rate
3	>100 HP to 150 HP	21400	Lowest quoted rate		

	Non -Clog Sewerage Pu	mps(Rates in Rs./Hp)	
	Head up	to 20 m	
SI.No	НР	Rates recommended for approval	Remarks
1	Up to 10 HP	24800	Lowest quoted rate
2	>10 HP to 20 HP	23950	Lowest quoted rate
3	>20 HP to 30 HP	23100	Lowest quoted rate
4	>30 HP to 50 HP	21915	Lowest quoted rate
5	>50 HP to 99 HP	19775	Lowest quoted rate
6	>100 HP to 150 HP	19010	Lowest quoted rate
7	>150 HP to 200 HP	18100	Lowest quoted rate
8	Above 200 HP	17950	Lowest quoted rate
	Head - 20	m to 50 m	
SI.No	НР	Rates recommended for approval	Remarks
2	>10 HP to 20 HP	24850	Lowest quoted rate
3	>20 HP to 30 HP	23500	Lowest quoted rate
4	>30 HP to 50 HP	21915	Lowest quoted rate
5	>50 HP to 99 HP	19775	Lowest quoted rate
6	>100 HP to 150 HP	19010	Lowest quoted rate
7	>150 HP to 200 HP	18100	Lowest quoted rate
8	Above 200 HP	17950	Lowest quoted rate
	Head - 50 n	n to 100 m	-
SI.No	НР	Rates recommended for approval	Remarks
1	>150 HP to 200 HP	18100	Lowest quoted rate
2	Above 200 HP	17950	Lowest quoted rate





KWA SOR - Proposal for Revision of Rates

HORIZONTAL TEFC SQUIRREL CAGE INDUCTION MOTORS

2 Pole				
Sl.No	ĸw	HP	Rates recommended for approval	Remarks
1	0.37	0.5	7636	Lowest quoted rate
2	0.55	0.75	8832.00	Lowest quoted rate
3	0.75	1	5480	Lowest quoted rate
4	1.1	1.5	5650.0	Lowest quoted rate
5	1.5	2	6670	Lowest quoted rate
6	2.2	3	8570	Lowest quoted rate
7	3	4	17538	Lowest quoted rate
8	3.7	5	10330	Lowest quoted rate
9	5.5	7.5	18620	Lowest quoted rate
10	7.5	10	19640	Lowest quoted rate
11	9.3	12.5	32640	Lowest quoted rate
12	11	15	33600	Lowest quoted rate
13	15	20	37290	Lowest quoted rate
14	18.5	25	47800	Lowest quoted rate
15	22	30	50000	Lowest quoted rate
16	30	40	75600	Lowest quoted rate
17	37	50	89900	Lowest quoted rate
18	45	60	111800	Lowest quoted rate
19	55	75	144900	Lowest quoted rate
20	75	100	184100	Lowest quoted rate
21	90	120	201100	Lowest quoted rate
22	110	150	286300	Lowest quoted rate
23	132	180	340700	Lowest quoted rate
24	160	220	369800	Lowest quoted rate
25	180	240	389400	Lowest quoted rate
26	200	270	413000	Lowest quoted rate
27	225	300	481400	Lowest quoted rate
28	250	340	498100	Lowest quoted rate
29	275	370	528500	Lowest quoted rate
30	315	425	565800	Lowest quoted rate
·	·	4	Pole	
SI No.	K)A/	НР	Rates recommended	Domostka
SI.No	KW	HP	for approval	Remarks
1	0.37	0.5	6988	Lowest quoted rate
2	0.55	0.75	5100	Lowest quoted rate
3	0.75	1	5400	Lowest quoted rate
4	1.1	1.5	6750	Lowest quoted rate
5	1.5	2	8000	Lowest quoted rate
6	2.2	3	9400	Lowest quoted rate



SI.No	ĸw	НР	Rates recommended for approval	Remarks
8	3.7	5	12600	Lowest quoted rate
9	5.5	7.5	17900	Lowest quoted rate
10	7.5	10	20150	Lowest quoted rate
11	9.3	12.5	32150	Lowest quoted rate
12	11	15	33450	Lowest quoted rate
13	15	20	41950	Lowest quoted rate
14	18.5	25	52280	Lowest quoted rate
15	22	30	56800	Lowest quoted rate
16	30	40	79200	Lowest quoted rate
17	37	50	88800	Lowest quoted rate
18	45	60	104360	Lowest quoted rate
19	55	75	137240	Lowest quoted rate
20	75	100	170890	Lowest quoted rate
21	90	120	197800	Lowest quoted rate
22	110	150	244800	Lowest quoted rate
23	132	180	287000	Lowest quoted rate
24	160	220	345600	Lowest quoted rate
25	180	240	360000	Lowest quoted rate
26	200	270	378800	Lowest quoted rate
27	225	300	474100	Lowest quoted rate
28	250	340	514900	Lowest quoted rate
29	275	370	515200	Lowest quoted rate
30	315	425	596400	Lowest quoted rate
•		6	Pole	
			Rates recommended	- ·
SI.No	KW	HP	for approval	Remarks
1	0.37	0.5	10336	Lowest quoted rate
2	0.55	0.75	5790	Lowest quoted rate
3	0.75	1	6520	Lowest quoted rate
4	1.1	1.5	7750	Lowest quoted rate
5	1.5	2	10100	Lowest quoted rate
6	2.2	2		
_		3	11570	Lowest quoted rate
7	3	<u> </u>	11570 29131	Lowest quoted rate
7 8				^
	3	4	29131	Lowest quoted rate
8	3 3.7	4 5	29131 17840	Lowest quoted rate
8 9	3 3.7 5.5	4 5 7.5	29131 17840 21540	Lowest quoted rate Lowest quoted rate Lowest quoted rate
8 9 10	3 3.7 5.5 7.5	4 5 7.5 10	29131 17840 21540 31780	Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate
8 9 10 11	3 3.7 5.5 7.5 9.3	4 5 7.5 10 12.5	29131 17840 21540 31780 36100	Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate
8 9 10 11 12	3 3.7 5.5 7.5 9.3 11	4 5 7.5 10 12.5 15	29131 17840 21540 31780 36100 39100	Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate
8 9 10 11 12 13	3 3.7 5.5 7.5 9.3 11 15	4 5 7.5 10 12.5 15 20	29131 17840 21540 31780 36100 39100 51000	Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate Lowest quoted rate
8 9 10 11 12 13 14	3 3.7 5.5 7.5 9.3 11 15 18.5	4 5 7.5 10 12.5 15 20 25	29131 17840 21540 31780 36100 39100 51000 68180	Lowest quoted rate Lowest quoted rate
8 9 10 11 12 13 14 15	3 3.7 5.5 7.5 9.3 11 15 18.5 22	4 5 7.5 10 12.5 15 20 25 30	29131 17840 21540 31780 36100 39100 51000 68180 74570	Lowest quoted rate Lowest quoted rate
8 9 10 11 12 13 14 15 16	3 3.7 5.5 7.5 9.3 11 15 18.5 22 30	4 5 7.5 10 12.5 15 20 25 30 40	29131 17840 21540 31780 36100 39100 51000 68180 74570 103800	Lowest quoted rate Lowest quoted rate
8 9 10 11 12 13 14 15 16 17	3 3.7 5.5 7.5 9.3 11 15 18.5 22 30 37	4 5 7.5 10 12.5 15 20 25 30 40 50	29131 17840 21540 31780 36100 39100 51000 68180 74570 103800 130400	Lowest quoted rate Lowest quoted rate
8 9 10 11 12 13 14 15 16 17 18	3 3.7 5.5 7.5 9.3 11 15 18.5 22 30 37 45	4 5 7.5 10 12.5 15 20 25 30 40 50 60	29131 17840 21540 31780 36100 39100 51000 68180 74570 103800 130400 163300	Lowest quoted rate Lowest quoted rate



SI.No	ĸw	HP	Rates recommended for approval	Remarks
22	110	150	305700	Lowest quoted rate
23	132	180	356900	Lowest quoted rate
24	160	220	405100	Lowest quoted rate
25	180	240	459100	Lowest quoted rate
26	200	270	491500	Lowest quoted rate
27	225	300	506200	Lowest quoted rate
28	250	340	541300	Lowest quoted rate
29	275	370	629300	Lowest quoted rate
30	315	425	779000	Lowest quoted rate
-		8	Pole	
SI.No	ĸw	НР	Rates recommended	Remarks
51.140	17.44		for approval	Neillains
1	0.37	0.5	12500	Lowest quoted rate
2	0.55	0.75	13615	Lowest quoted rate
3	0.75	1	16751	Lowest quoted rate
4	1.1	1.5	20385	Lowest quoted rate
5	1.5	2	23621	Lowest quoted rate
6	2.2	3	31262	Lowest quoted rate
7	3	4	48084	Lowest quoted rate
8	3.7	5	51901	Lowest quoted rate
9	5.5	7.5	63198	Lowest quoted rate
10	7.5	10	77930	Lowest quoted rate
11	9.3	12.5	101342	Lowest quoted rate
12	11	15	106874	Lowest quoted rate
13	15	20	149035	Lowest quoted rate
14	18.5	25	191257	Lowest quoted rate
15	22	30	229942	Lowest quoted rate
16	30	40	289198	Lowest quoted rate
17	37	50	310450	Lowest quoted rate
18	45	60	404858	Lowest quoted rate
19	55	75	445528	Lowest quoted rate
20	75	100	542376	Lowest quoted rate
21	90	120	673465	Lowest quoted rate
22	110	150	800878	Lowest quoted rate
23	132	180	917570	Lowest quoted rate
24	200	270	1160936	Lowest quoted rate
25	225	300	1243677	Lowest quoted rate
26	250	340	1747314	Lowest quoted rate
27	275	370	2550000	Lowest quoted rate
28	315	425	2850000	Lowest quoted rate



SOFT STARTERS				
SI No	HP	Rates recommended for approval	Remarks	
1	Up to 10	13511	Lowest quoted rate	
2	11 to 20	27023	Lowest quoted rate	
3	21 to 30	40534	Lowest quoted rate	
4	31 to 40	54045	Lowest quoted rate	
5	41 to 50	67556	Lowest quoted rate	
6	51 to 60	81068	Lowest quoted rate	
7	61 to 70	94578.0	Lowest quoted rate	
8	71 to 80	108089	Lowest quoted rate	
9	81 to 90	121600	Lowest quoted rate	
10	91 to 100	135112	Lowest quoted rate	
11	101 to 110	148623	Lowest quoted rate	
12	111 to 120	162134	Lowest quoted rate	
13	121 to 125	175645	Lowest quoted rate	
14	126 to 130	175645	Lowest quoted rate	
15	131 to 140	189157	Lowest quoted rate	
16	141 to 150	202668	Lowest quoted rate	
17	151 to 160	216179	Lowest quoted rate	
18	161 to 170	229691	Lowest quoted rate	
19	171 to 175	243202	Lowest quoted rate	
20	176 to 180	243202	Lowest quoted rate	
21	181 to 190	256713	Lowest quoted rate	
22	191 to 200	270224	Lowest quoted rate	
23	201 to 210	283735	Lowest quoted rate	
24	211 to 220	297246	Lowest quoted rate	
25	221 to 230	310757	Lowest quoted rate	
26	231 to 240	324268	Lowest quoted rate	
27	241 to 250	337780	Lowest quoted rate	
28	251 to 260	351291	Lowest quoted rate	
29	261 to 270	364802	Lowest quoted rate	
30	271 to 280	378314	Lowest quoted rate	
31	281 to 290	391825	Lowest quoted rate	
32	291 to 300	405336	Lowest quoted rate	
33	301 to 310	418847	Lowest quoted rate	
34	311 to 320	432359	Lowest quoted rate	
35	321 to330	445870	Lowest quoted rate	
36	331 to 340	459380	Lowest quoted rate	
37	341 to 350	472891	Lowest quoted rate	
38	351 to 360	486403	Lowest quoted rate	
39	361 to 370	499914	Lowest quoted rate	
40	371 to 380	513425	Lowest quoted rate	
41	381 to 390	526936	Lowest quoted rate	
42	391 to 400	540448	Lowest quoted rate	



SI No	НР	Rates recommended for approval	Remarks
43	401 to 410	553959	Lowest quoted rate
44	411 to 420	567470	Lowest quoted rate
45	421 to 430	580982	Lowest quoted rate
46	431 to 440	594493	Lowest quoted rate
47	441 to 450	608004	Lowest quoted rate
48	451 to 500	860000	Lowest quoted rate
		VFD	1
		Rates recommended for	
SI No	HP	approval	Remarks
1	Up to 10	76728	Lowest quoted rate
2	11 to 20	153457	Lowest quoted rate
3	21 to 30	221250	Lowest quoted rate
4	31 to 40	222500	Lowest quoted rate
5	41 to 50	255810	Lowest quoted rate
6	51 to 60	299650	Lowest quoted rate
7	61 to 70	334722	Lowest quoted rate
8	71 to 80	337445	Lowest quoted rate
9	81 to 90	388231	Lowest quoted rate
10	91 to 100	399550	Lowest quoted rate
10	101 to 110	533445	Lowest quoted rate
12	111 to 120	533445	Lowest quoted rate
13	121 to 125	533445	Lowest quoted rate
14	126 to 130	533445	Lowest quoted rate
15	131 to 140	533445	Lowest quoted rate
16	141 to 150	533445	Lowest quoted rate
17	151 to 160	564350	Lowest quoted rate
18	161 to 170	564350	Lowest quoted rate
19	171 to 180	564350	Lowest quoted rate
20	181 to 190	564350	Lowest quoted rate
20	191 to 200	564350	Lowest quoted rate
21	201 to 210	705800	Lowest quoted rate
22	201 to 210	705800	Lowest quoted rate
23	221 to 230	705800	Lowest quoted rate
25	231 to 240	705800	Lowest quoted rate
25	231 to 240	705800	Lowest quoted rate
20	251 to 260	1994937	Lowest quoted rate
27	261 to 270	2071666	Lowest quoted rate
28	271 to 280	2148394	Lowest quoted rate
30	271 to 280 281 to 290	2148394 2225123	Lowest quoted rate
31	291 to 300	2301850	Lowest quoted rate
31 32	301 to 310	783590	Lowest quoted rate
			Lowest quoted rate
33	311 to 320	783590	Lowest quoted rate
34	321 to 330	783590	-
35	331 to 340	783590	Lowest quoted rate
36	341 to 350	783590	Lowest quoted rate
37	351 to 360	974553	Lowest quoted rate
38	361 to 370	974553	Lowest quoted rate



SI No	НР	Rates recommended for approval	Remarks
39	371 to 380	974553	Lowest quoted rate
40	381 to 390	974553	Lowest quoted rate
41	391 to 400	974553	Lowest quoted rate
42	401 to 410	998775	Lowest quoted rate
43	411 to 420	998775	Lowest quoted rate
44	421 to 430	998775	Lowest quoted rate
45	431 to 440	998775	Lowest quoted rate
46	441 to 450	998775	Lowest quoted rate
•		Star Delta Starters	
SI No	НР	Rates recommended for	Remarks
		approval	
1	Up to 10	13232	Lowest quoted rate
2	11 to 20	13232	Lowest quoted rate
3	21 to 30	15277	Lowest quoted rate
4	31 to 40	16419	Lowest quoted rate
5	41 to 50	20350	Lowest quoted rate
6	51 to 60	22515	Lowest quoted rate
7	61 to 70	28530	Lowest quoted rate
8	71 to 80	31537	Lowest quoted rate
9	81 to 90	31537	Lowest quoted rate
10	91 to 100	31537	Lowest quoted rate
11	101 to 110	37352	Lowest quoted rate
12	111 to 120	37352	Lowest quoted rate
13	121 to 125	44810	Lowest quoted rate
14	126 to 130	44810	Lowest quoted rate
15	131 to 140	44810	Lowest quoted rate
16	141 to 150	44810	Lowest quoted rate
I		Soft starters -HT	
		3.3 KV	
SI No	HP	Rates recommended for approval	Remarks
1	201 to 250	897842	Lowest quoted rate
2	251 to 300	940000	Lowest quoted rate
3	301 to 350	967310	Lowest quoted rate
4	351 to 400	1080000	Lowest quoted rate
5	401 to 450	1120000	Lowest quoted rate
6	451 to 500	1188628	Lowest quoted rate
		6.6 KV	
SI No	НР	Rates recommended for approval	Remarks
1	501 to 600	1225000	Lowest quoted rate
2	601 to 700	1235610	Lowest quoted rate
3	701 to 800	1255010	Lowest quoted rate
4	801 to 900	1266600	Lowest quoted rate
5	901 to 1000	1295000	Lowest quoted rate

