



100 MLD DESALINATION PLANT, NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF JANUARY 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Jan-19	647122	646723	399000	3525681	3506647	19034	9723	370243	100884	3.67
2-Jan-19	647518	647122	396000	3544559	3525681	18878	9723	367399	100734	3.65
3-Jan-19	647915	647518	397000	3563768	3544559	19209	9723	368068	100542	3.66
4-Jan-19	648316	647915	401000	3582835	3563768	19067	9723	372210	100573	3.70
5-Jan-19	648718	648316	402000	3601887	3582835	19052	9723	373225	100657	3.71
6-Jan-19	649121	648718	403000	3620819	3601887	18932	9723	374345	100316	3.73
7-Jan-19	649524	649121	403000	3640004	3620819	19185	9723	374092	100398	3.73
8-Jan-19	649918	649524	394000	3658524	3640004	18520	9520	365960	95473	3.83
9-Jan-19	650281	649918	363000	3675305	3658524	16781	9318	336901	90001	3.74
10-Jan-19	650687	650281	406000	3694519	3675305	19214	9723	377063	100517	3.75
11-Jan-19	651090	650687	403000	3713460	3694519	18941	9723	374336	100539	3.72
12-Jan-19	651490	651090	400000	3732548	3713460	19088	9723	371189	97323	3.81
13-Jan-19	651893	651490	403000	3751551	3732548	19003	9723	374274	100510	3.72
Jan-19	652296	651893	403000	3770612	3751551	19061	9723	374216	100385	3.73
15-Jan-19	652703	652296	407000	3789707	3770612	19095	9723	378182	100254	3.77
16-Jan-19	653108	652703	405000	3808762	3789707	19055	9723	376222	100330	3.75
17-Jan-19	653515	653108	407000	3827772	3808762	19010	9723	378267	100411	3.77
18-Jan-19	653919	653515	404000	3846983	3827772	19211	9723	375066	100313	3.74
19-Jan-19	654323	653919	404000	3866028	3846983	19045	9723	375232	100340	3.74
20-Jan-19	654728	654323	405000	3885178	3866028	19150	9723	376127	100559	3.74
21-Jan-19	655138	654728	410000	3904118	3885178	18940	9723	381337	100335	3.80
22-Jan-19	655550	655138	412000	3922846	3904118	18728	9723	383549	100490	3.82
23-Jan-19	655963	655550	413000	3942107	3922846	19261	9723	384016	100350	3.83
24-Jan-19	656368	655963	405000	3961252	3942107	19145	9723	376132	98099	3.83
25-Jan-19	656682	656368	314000	3974949	3961252	13697	8508	291795	75015	3.89
26-Jan-19	657095	656682	413000	3994252	3974949	19303	9723	383974	100253	3.83
27-Jan-19	657499	657095	404000	4013282	3994252	19030	9723	375247	98021	3.83
28-Jan-19	657912	657499	413000	4032244	4013282	18962	9723	384315	100552	3.82
29-Jan-19	658326	657912	414000	4051469	4032244	19225	9723	385052	100478	3.83
30-Jan-19	658722	658326	396000	4070503	4051469	19034	9723	367243	97632	3.76
Jan-19	659132	658722	410000	4089486	4070503	18983	9723	381294	100583	3.79
TOTAL		12409000				582839	299590	11526571	3062867	3.76

MRSS MONTHLY POWER CONSUMPTION	12409000
L&T MONTHLY POWER CONSUMPTION	582839
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	299590
PLANT MONTHLY POWER CONSUMPTION	11526571
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	0
NET PLANT MONTHLY POWER CONSUMPTION	11526571
RO WATER MOTHLY PRODUCTION	3062867
PLANT SPECIFIC POWER KWH/M3	3.76

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POWER CONSUMPTION FOR THE MONTH OF FEBUARY 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Feb-19	659544	659132	412000	4108488	4089486	19002	9723	383275	100339	3.82
2-Feb-19	659957	659544	413000	4127792	4108488	19304	9723	383973	100482	3.82
3-Feb-19	660370	659957	413000	4146737	4127792	18945	9723	384332	100672	3.82
4-Feb-19	660783	660370	413000	4165737	4146737	19000	9723	384277	100255	3.83
5-Feb-19	661186	660783	403000	4184828	4165737	19091	9723	374186	97361	3.84
6-Feb-19	661589	661186	403000	4203772	4184828	18944	9723	374333	97380	3.84
7-Feb-19	662002	661589	413000	4222759	4203772	18987	9723	384290	100316	3.83
8-Feb-19	662399	662002	397000	4241379	4222759	18620	9723	368657	96029	3.84
9-Feb-19	662813	662399	414000	4260586	4241379	19207	9723	385070	100615	3.83
10-Feb-19	663217	662813	404000	4279528	4260586	18942	9723	375335	97603	3.85
11-Feb-19	663619	663217	402000	4298655	4279528	19127	9723	373150	97315	3.83
12-Feb-19	664022	663619	403000	4317933	4298655	19278	9723	373999	97387	3.84
13-Feb-19	664425	664022	403000	4337237	4317933	19304	9723	373973	97161	3.85
Feb-19	664827	664425	402000	4356285	4337237	19048	9723	373229	97260	3.84
15-Feb-19	665244	664827	417000	4374166	4356285	17881	8912	390207	91205	4.28
16-Feb-19	665647	665244	403000	4393516	4374166	19350	9723	373927	97756	3.83
17-Feb-19	666051	665647	404000	4412662	4393516	19146	9723	375131	97917	3.83
18-Feb-19	666454	666051	403000	4431729	4412662	19067	9723	374210	97354	3.84
19-Feb-19	666491	666454	37000	4431858	4431729	129	0	36871	0	0.00
20-Feb-19	666718	666491	227000	4441849	4431858	9991	6482	210527	50838	4.14
21-Feb-19	667131	666718	413000	4461034	4441849	19185	9723	384092	100492	3.82
22-Feb-19	667544	667131	413000	4480040	4461034	19006	9723	384271	100259	3.83
23-Feb-19	667957	667544	413000	4499123	4480040	19083	9723	384194	100218	3.83
24-Feb-19	668370	667957	413000	4518452	4499123	19329	9723	383948	100210	3.83
25-Feb-19	668769	668370	399000	4536027	4518452	17575	8508	372917	93197	4.00
26-Feb-19	669135	668769	366000	4551718	4536027	15691	8508	341801	81112	4.21
27-Feb-19	669547	669135	412000	4570506	4551718	18788	9723	383489	100150	3.83
28-Feb-19	669961	669547	414000	4589673	4570506	19167	9723	385110	100781	3.82
TOTAL		10829000			500187		256038	10072775	2591664	3.89

MRSS MONTHLY POWER CONSUMPTION	10829000
L&T MONTHLY POWER CONSUMPTION	500187
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	256038
PLANT MONTHLY POWER CONSUMPTION	10072775
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	1352324
RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	316352
NET PLANT MONTHLY POWER CONSUMPTION	8720451
RO WATER MOTHLY PRODUCTION	2275312
PLANT SPECIFIC POWER KWH/M3	3.83

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Attn:

WABAG			100 MLD DESALINATION PLANT , NEMMELI																									
10M35/EPCR/E/006			POWER CONSUMPTION FOR THE MONTH OF MARCH 2019																									
DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3																		
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)																						
1-Mar-19	670321	669961	360000	4605260	4589673	15587	8103	336310	85487	3.93																		
2-Mar-19	670734	670321	413000	4624106	4605260	18846	9723	384431	100494	3.83																		
3-Mar-19	671134	670734	400000	4642385	4624106	18279	9723	371998	95539	3.89																		
4-Mar-19	671548	671134	414000	4661537	4642385	19152	9723	385125	100502	3.83																		
5-Mar-19	671962	671548	414000	4680460	4661537	18923	9723	385354	100766	3.82																		
6-Mar-19	672362	671962	400000	4698869	4680460	18409	9723	371868	95304	3.90																		
7-Mar-19	672718	672362	356000	4713874	4698869	15005	9723	331272	82284	4.03																		
8-Mar-19	672893	672718	175000	4719760	4713874	5886	9723	159391	37426	4.26																		
9-Mar-19	673308	672893	415000	4738768	4719760	19008	9723	386269	100903	3.83																		
10-Mar-19	673723	673308	415000	4757883	4738768	19115	9723	386162	100886	3.83																		
11-Mar-19	674138	673723	415000	4777006	4757883	19123	9723	386154	100850	3.83																		
12-Mar-19	674553	674138	415000	4796068	4777006	19062	9723	386215	100770	3.83																		
13-Mar-19	674957	674553	404000	4815159	4796068	19091	9723	375186	95459	3.93																		
14-Mar-19	675369	674957	412000	4834066	4815159	18907	9723	383370	97343	3.94																		
15-Mar-19	675780	675369	411000	4853473	4834066	19407	9723	381870	96931	3.94																		
16-Mar-19	676121	675780	341000	4866654	4853473	13181	9723	318096	80705	3.94																		
17-Mar-19	676462	676121	341000	4879850	4866654	13196	9723	318081	80781	3.94																		
18-Mar-19	676847	676462	385000	4896794	4879850	16944	9723	358333	90627	3.95																		
19-Mar-19	677245	676847	398000	4914865	4896794	18071	9723	370206	92500	4.00																		
20-Mar-19	677645	677245	400000	4932803	4914865	17938	9723	372339	93220	3.99																		
21-Mar-19	678048	677645	403000	4951404	4932803	18601	9723	374676	95135	3.94																		
22-Mar-19	678453	678048	405000	4970019	4951404	18615	9723	376662	95084	3.96																		
23-Mar-19	678854	678453	401000	4988799	4970019	18780	9723	372497	95540	3.90																		
24-Mar-19	679261	678854	407000	5007784	4988799	18985	9723	378292	95729	3.95																		
25-Mar-19	679673	679261	412000	5026955	5007784	19171	9723	383106	96483	3.97																		
26-Mar-19	680084	679673	411000	5046145	5026955	19190	9723	382087	96450	3.96																		
27-Mar-19	680492	680084	408000	5065216	5046145	19071	9723	379206	96073	3.95																		
28-Mar-19	680522	680492	30000	5066232	5065216	1016	0	28984	1246	0.00																		
29-Mar-19	680883	680522	361000	5082450	5066232	16218	9318	335464	84397	3.97																		
30-Mar-19	681289	680883	406000	5101420	5082450	18970	9723	377307	95392	3.96																		
1-Mar-19	681698	681289	409000	5120937	5101420	19517	9723	379760	95707	3.97																		
TOTAL			11737000			531264	289665	10916071	2776013	3.93																		
<table border="1"> <tr><td>MRSS MONTHLY POWER CONSUMPTION</td><td>11737000</td></tr> <tr><td>L&T MONTHLY POWER CONSUMPTION</td><td>531264</td></tr> <tr><td>ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION</td><td>289665</td></tr> <tr><td>PLANT MONTHLY POWER CONSUMPTION</td><td>10916071</td></tr> <tr><td>POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE</td><td>8216361</td></tr> <tr><td>RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE</td><td>2070842</td></tr> <tr><td>NET PLANT MOTHLY POWER CONSUMPTION</td><td>2699710</td></tr> <tr><td>RO WATER MOTHLY PRODUCTION</td><td>705171</td></tr> <tr><td>PLANT SPECIFIC POWER KWH/M3</td><td>3.83</td></tr> </table>				MRSS MONTHLY POWER CONSUMPTION	11737000	L&T MONTHLY POWER CONSUMPTION	531264	ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	289665	PLANT MONTHLY POWER CONSUMPTION	10916071	POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	8216361	RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	2070842	NET PLANT MOTHLY POWER CONSUMPTION	2699710	RO WATER MOTHLY PRODUCTION	705171	PLANT SPECIFIC POWER KWH/M3	3.83	<p>NOTE</p> <p>Except 02,04,05,09,10,11 & 12 other days are under forced measure & approved S/D. the details are given below 01/3 Chiller maint; 03 , &06 /03 Voltage dip; 07&08/03 Raw Water pipe line maintenance 13/03 to 27/03, 30 &31/03 White fiborous particle in Sea water & TOC exceeded. 28 &29/03 conveying pipe line leakage</p>						
MRSS MONTHLY POWER CONSUMPTION	11737000																											
L&T MONTHLY POWER CONSUMPTION	531264																											
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	289665																											
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PLANT SPECIFIC POWER KWH/M3	3.83																											

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100 MLD DESALINATION PLANT , NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF APRIL 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	POWER CONSUMPTION (KWH)	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)					
1-Apr-19	682110	681698	412000	5139984	5120937	19047	9723	383230	96567	3.97	
2-Apr-19	682521	682110	411000	5158880	5139984	18896	9723	382381	97249	3.93	
3-Apr-19	682934	682521	413000	5177976	5158880	19096	9723	384181	97368	3.95	
4-Apr-19	683347	682934	413000	5197256	5177976	19280	9723	383997	97476	3.94	
5-Apr-19	683759	683347	412000	5216240	5197256	18984	9723	383293	100325	3.82	
6-Apr-19	684171	683759	412000	5235333	5216240	19093	9723	383184	100324	3.82	
7-Apr-19	684583	684171	412000	5254654	5235333	19321	9723	382956	100251	3.82	
8-Apr-19	684996	684583	413000	5273658	5254654	19004	9723	384273	97413	3.94	
9-Apr-19	685411	684996	415000	5292690	5273658	19032	9723	386245	97973	3.94	
10-Apr-19	685826	685411	415000	5311698	5292690	19008	9723	386269	97512	3.96	
11-Apr-19	686237	685826	411000	5330555	5311698	18857	9318	382825	95435	4.01	
12-Apr-19	686623	686237	386000	5346894	5330555	16339	9318	360343	86491	4.17	
13-Apr-19	686897	686623	274000	5357939	5346894	11045	4862	258093	57738	4.47	
14-Apr-19	687307	686897	410000	5376970	5357939	19031	9723	381246	97834	3.90	
15-Apr-19	687717	687307	410000	5396113	5376970	19143	9723	381134	97562	3.91	
16-Apr-19	688106	687717	389000	5413272	5396113	17159	9723	362118	90423	4.00	
17-Apr-19	688510	688106	404000	5431856	5413272	18584	9723	375693	95110	3.95	
18-Apr-19	688903	688510	393000	5448962	5431856	17106	9723	366171	91349	4.01	
19-Apr-19	689306	688903	403000	5467892	5448962	18930	9723	374347	95002	3.94	
20-Apr-19	689712	689306	406000	5487035	5467892	19143	9723	377134	95466	3.95	
21-Apr-19	690118	689712	406000	5505790	5487035	18755	9723	377522	95433	3.96	
22-Apr-19	690519	690118	401000	5524618	5505790	18828	9723	372449	95018	3.92	
23-Apr-19	690924	690519	405000	5543095	5524618	18477	9723	376800	95343	3.95	
24-Apr-19	691329	690924	405000	5561613	5543095	18518	9723	376759	95144	3.96	
25-Apr-19	691737	691329	408000	5580613	5561613	19000	9723	379277	96216	3.94	
26-Apr-19	692146	691737	409000	5599644	5580613	19031	9723	380246	96455	3.94	
27-Apr-19	692559	692146	413000	5618953	5599644	19309	9723	383968	96474	3.98	
28-Apr-19	692971	692559	412000	5638070	5618953	19117	9723	383160	96358	3.98	
29-Apr-19	693384	692971	413000	5657152	5638070	19082	9723	384195	97473	3.94	
30-Apr-19	693796	693384	412000	5676115	5657152	18963	9723	383314	97168	3.94	
TOTAL			12098000			555178	286019	11256803	2845950	3.96	

MRSS MONTHLY POWER CONSUMPTION	12098000
L&T MONTHLY POWER CONSUMPTION	555178
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	286019
PLANT MONTHLY POWER CONSUMPTION	11256803
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	10107370
RO WATER MONTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	2545050
NET PLANT MONTHLY POWER CONSUMPTION	1149433
RO WATER MONTHLY PRODUCTION	300900
PLANT SPECIFIC POWER KWH/M3	3.82

NOTE

Except on 05,06 & 07.04.2019 all other days either under forced measure or approved S/D. The details are given below

01.04.2019 to 10.04.2019 & 14.04.2019 to 30.04.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

11 & 12.04.2019 - TNEB power failure

13.04.2019 - TNEB power failure & Approved TNEB Planned shutdown

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100 MLD DESALINATION PLANT, NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF MAY 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-May-19	694198	693796	402000	5695243	5676115	19128	9723	373149	95682	3.90
2-May-19	694594	694198	396000	5713800	5695243	18557	9723	367720	93644	3.93
3-May-19	694991	694594	397000	571855	5713800	18055	9723	369222	93210	3.96
4-May-19	695393	694991	402000	5750175	5731855	18320	9723	373957	92320	4.05
5-May-19	695795	695393	402000	5769241	5750175	19066	9723	373211	96823	3.85
6-May-19	696200	695795	405000	5788199	5769241	18958	9723	376319	97879	3.84
7-May-19	696608	696200	408000	5807168	5788199	18969	9723	379308	98667	3.84
8-May-19	697014	696608	406000	5826226	5807168	19058	9723	377219	98280	3.84
9-May-19	697421	697014	407000	5845027	5826226	18801	9723	378476	98679	3.84
10-May-19	697822	697421	401000	5863797	5845027	18770	9723	372507	96468	3.86
11-May-19	698223	697822	401000	5882722	5863797	18925	9723	372352	96320	3.87
12-May-19	698528	698223	305000	5896817	5882722	14095	8508	282397	70078	4.03
13-May-19	698931	698528	403000	5915800	5896817	18983	9723	374294	97416	3.84
14-May-19	699266	698931	335000	5931300	5915800	15500	8508	310992	79741	3.90
15-May-19	699434	699266	168000	5939076	5931300	7776	4052	156172	38904	4.01
16-May-19	699811	699434	377000	5956235	5939076	17159	9723	350118	89352	3.92
17-May-19	700121	699811	310000	5968592	5956235	12357	8508	289135	72777	3.97
18-May-19	700508	700121	387000	5986696	5968592	18104	9723	359173	92011	3.90
19-May-19	700860	700508	352000	6001132	5986696	14436	9723	327841	81043	4.05
20-May-19	701228	700860	368000	6016120	6001132	14988	9723	343289	85321	4.02
21-May-19	701596	701228	368000	6031467	6016120	15347	9723	342930	85020	4.03
22-May-19	701913	701596	317000	6044388	6031467	12921	8508	295571	73048	4.05
23-May-19	702314	701913	401000	6063148	6044388	18760	9723	372517	95435	3.90
24-May-19	702672	702314	358000	6079416	6063148	16268	8508	333224	85410	3.90
25-May-19	703068	702672	396000	6098025	6079416	18609	9723	367668	95315	3.86
26-May-19	703466	703068	398000	6116874	6098025	18849	9723	369428	95375	3.87
27-May-19	703819	703466	353000	6132834	6116874	15960	8508	328532	82080	4.00
28-May-19	704214	703819	395000	6150762	6132834	17928	9723	367349	95180	3.86
29-May-19	704609	704214	395000	6169898	6150762	19136	9723	366141	95112	3.85
30-May-19	704981	704609	372000	6187445	6169898	17547	8508	345945	87610	3.95
31-May-19	705341	704981	360000	6203560	6187445	16115	9723	334162	85200	3.92
TOTAL		11545000			527445	287237	10730318	2739400	3.92	

MRSS MONTHLY POWER CONSUMPTION	11545000
L&T MONTHLY POWER CONSUMPTION	527445
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	287237
PLANT MONTHLY POWER CONSUMPTION	10730318
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	3085147
RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	775178
NET PLANT MONTHLY POWER CONSUMPTION	7645171
RO WATER MOTHLY PRODUCTION	1964222
PLANT SPECIFIC POWER KWH/M3	3.89

NOTE
The details are given below

01, 02&05.05.2019 to 11.05.2019, 13, 16, 18 to 21.05.2019, 23, 25, 26, 28 to 30.05.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

03.05.2019 & 04.05.2019 - TNEB voltage fluctuation

15.05.2019 & 24.05.2019 - Approved TNEB Planned shutdown

12.05.2019, 14.05.2019, 17.05.2019, 22.05.2019, 27.05.2019 & 30.05.2019 - TNEB power failure.

K. A. V.
Chennai

VATECH WABAG LTD



100 MLD DESALINATION PLANT , NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF JUNE 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			POWER CONSUMPTION (KWH)	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Jun-19	705728	705341	387000	6220071	6203560	16511	9723	360766	90591	3.98
2-Jun-19	706119	705728	391000	6237430	6220071	17359	9723	363918	91364	3.98
3-Jun-19	706509	706119	390000	6255024	6237430	17594	9723	362683	92226	3.93
4-Jun-19	706908	706509	399000	6273266	6255024	18242	9723	371035	95211	3.90
5-Jun-19	707306	706908	398000	6292304	6273266	19038	9723	369239	96325	3.83
6-Jun-19	707707	707306	401000	6311190	6292304	18886	9723	372391	96446	3.86
7-Jun-19	708110	707707	403000	6329871	6311190	18681	9723	374596	96193	3.89
8-Jun-19	708514	708110	404000	6348887	6329871	19016	9723	375261	95703	3.92
9-Jun-19	708915	708514	401000	6367554	6348887	18667	9723	372610	95911	3.88
10-Jun-19	709321	708915	406000	6386288	6367554	18734	9723	377543	95988	3.93
11-Jun-19	709724	709321	403000	6405175	6386288	18887	9723	374390	95850	3.91
12-Jun-19	710112	709724	388000	6422218	6405175	17043	9723	361234	89408	4.04
13-Jun-19	710493	710112	381000	6439084	6422218	16866	9723	354411	87723	4.04
14-Jun-19	710893	710493	400000	6456619	6439084	17535	9723	372742	93835	3.97
15-Jun-19	711296	710893	403000	6474915	6456619	18296	9723	374981	95350	3.93
16-Jun-19	711705	711296	409000	6494042	6474915	19127	9723	380150	96061	3.96
17-Jun-19	712112	711705	407000	6512674	6494042	18632	9723	378645	95776	3.95
18-Jun-19	712514	712112	402000	6531440	6512674	18766	9723	373511	95422	3.91
19-Jun-19	712922	712514	408000	6550354	6531440	18914	9723	379363	96286	3.94
20-Jun-19	713331	712922	409000	6569394	6550354	19040	9723	380237	96372	3.95
21-Jun-19	713711	713331	380000	6586547	6569394	17153	8508	354339	87875	4.03
22-Jun-19	714121	713711	410000	6605499	6586547	18952	9723	381325	96445	3.95
23-Jun-19	714515	714121	394000	6623383	6605499	17884	8913	367203	92825	3.96
24-Jun-19	714914	714515	399000	6641296	6623383	17913	9723	371364	93661	3.96
25-Jun-19	715330	714914	416000	6660084	6641296	18788	9723	387489	98351	3.94
26-Jun-19	715741	715330	411000	6679121	6660084	19037	9723	382240	97177	3.93
27-Jun-19	716158	715741	417000	6698264	6679121	19143	9723	388134	98698	3.93
28-Jun-19	716573	716158	415000	6717259	6698264	18995	9723	386282	97178	3.97
29-Jun-19	716979	716573	406000	6735652	6717259	18393	9723	377884	95941	3.94
30-Jun-19	717384	716979	405000	6755036	6735652	19384	9723	375893	96350	3.90
TOTAL		12043000			551476	289665	11201859	2842542	3.94	

MRSS MONTHLY POWER CONSUMPTION	12043000	NOTE :Specific power consumption is 3.93kwh/m3 which is slightly more than the permissible limit because during the month of June, 2days plant was operated in force majeure condition and the remaining days plant was operated with bad sea water condition(white fibrous particles ingestion)
L&T MONTHLY POWER CONSUMPTION	551476	
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	289665	01.06.2019 to 11.06.2019,13.06.2019 to 20.06.2019,22.06.2019&25.06.2019 to 30.06.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.
PLANT MONTHLY POWER CONSUMPTION	11201859	12.06.2019 - TNEB voltage fluctuation
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	1441348	13.06.2019 -Valve replacement work at Injambakkam headworks.& 24.06.2019 - L&T Distribution pipeline maintenance work
RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	358667	21.06.2019 - TNEB power failure
NET PLANT MONTHLY POWER CONSUMPTION	9760511	23.06.2019 - Between 1600hrs to 1800hrs 6,RO trains were stopped for sea water ,raw water and enhancement equipments 11kv power supply isolation and overhead cable rearrangement work approved by CMWSSB
RO WATER MOTHLY PRODUCTION	2483875	
PLANT SPECIFIC POWER KWH/M3	3.93	

K.A [Signature] /
VATECH WABAG LTD

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CMWSSB



100 MLD DESALINATION PLANT, NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF JULY 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Jul-19	717790	717384	406000	6774036	6755036	19000	9723	377277	95884	3.93
2-Jul-19	718197	717790	407000	6792901	6774036	18865	9723	378412	96187	3.93
3-Jul-19	718603	718197	406000	6811858	6792901	18957	9723	377320	96107	3.93
4-Jul-19	719013	718603	410000	6830954	6811858	19096	9723	381181	96241	3.96
5-Jul-19	719421	719013	408000	6849501	6830954	18547	9723	379730	96238	3.95
6-Jul-19	719836	719421	415000	6868478	6849501	18977	9723	386300	96456	4.00
7-Jul-19	720249	719836	413000	6887443	6868478	18965	9723	384312	96061	4.00
8-Jul-19	720660	720249	411000	6906764	6887443	19321	9723	381956	95573	4.00
9-Jul-19	721032	720660	372000	6923318	6906764	16554	9723	345723	85806	4.03
10-Jul-19	721441	721032	409000	6942160	6923318	18842	9723	380435	95538	3.98
11-Jul-19	721852	721441	411000	6960975	6942160	18815	9723	382462	95562	4.00
12-Jul-19	722262	721852	410000	6979859	6960975	18884	9723	381393	95493	3.99
13-Jul-19	722665	722262	403000	6997595	6979859	17736	9723	375541	92349	4.07
14-Jul-19	723076	722665	411000	7016317	6997595	18722	9723	382555	95337	4.01
15-Jul-19	723401	723076	325000	7029666	7016317	13349	7698	303953	71250	4.27
16-Jul-19	723809	723401	408000	7047835	7029666	18169	9723	380108	95360	3.99
17-Jul-19	724193	723809	384000	7063463	7047835	15628	9723	358649	85200	4.21
18-Jul-19	724596	724193	403000	7082137	7063463	18674	9723	374603	95393	3.93
19-Jul-19	724999	724596	403000	7099822	7082137	17685	9723	375592	92826	4.05
20-Jul-19	725393	724999	394000	7116871	7099822	17049	9723	367228	90601	4.05
21-Jul-19	725772	725393	379000	7133928	7116871	17057	8913	353030	88295	4.00
22-Jul-19	726173	725772	401000	7152510	7133928	18582	9723	372695	95230	3.91
23-Jul-19	726568	726173	395000	7169837	7152510	17327	8913	368760	90949	4.05
24-Jul-19	726966	726568	398000	7187766	7169837	17929	9723	370348	91222	4.06
25-Jul-19	727363	726966	397000	7205489	7187766	17723	9723	369554	91256	4.05
26-Jul-19	727757	727363	394000	7222656	7205489	17167	9723	367110	91168	4.03
27-Jul-19	727943	727757	186000	7230103	7222656	7447	5672	172881	39591	4.37
28-Jul-19	728356	727943	413000	7248927	7230103	18824	9723	384453	96761	3.97
29-Jul-19	728766	728356	410000	7268075	7248927	19148	9723	381129	95636	3.99
30-Jul-19	729172	728766	406000	7286398	7268075	18323	9723	377954	94958	3.98
31-Jul-19	729582	729172	410000	7305392	7286398	18994	9723	381283	95687	3.98
TOTAL		12198000			550356	293717	11353927	2830215	4.01	

MRSS MONTHLY POWER CONSUMPTION	12198000
L&T MONTHLY POWER CONSUMPTION	550356
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	293717
PLANT MONTHLY POWER CONSUMPTION	11353927
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	1912190
RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	465100
NET PLANT MONTHLY POWER CONSUMPTION	9441737
RO WATER MOTHLY PRODUCTION	2365115
PLANT SPECIFIC POWER KWH/M3	3.99

NOTE :The details are given below

01.07.2019 to 31.07.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

09.07.2019 - Production was reduced as per CMWSSB's instruction to introduce a filling point in the transmission line near pallikaranai

15.07.2019 - CMWSSB's approved shutdown for Intake caisson shock chlorination work

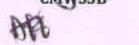
17.07.2019 - Production was reduced as per CMWSSB's instruction due to water transmission pipe line maintenance work at velachery.

21.07.2019 - Total plant tripped due to TNEB power fluctuation(Over voltage)

27.07.2019- Sea water intake chamber barnacles removal and intake caisson shock chlorination work approved by CMWSSB

30.07.2019 - All the RO trains tripped due to TNEB voltage fluctuation(Under Voltage)


 VATECH WABAG LTD


 CMWSSB


10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF AUGUST 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	POWER CONSUMPTION (KWH)	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)					
1-Aug-19	729982	729582	400000	7323227	7305392	17835	9723	372442	92987	4.01	
2-Aug-19	730392	729982	410000	7342258	7323227	19031	9723	381246	95585	3.99	
3-Aug-19	730804	730392	412000	7361220	7342258	18962	9723	383315	95760	4.00	
4-Aug-19	731213	730804	409000	7379981	7361220	18761	9723	380516	95715	3.98	
5-Aug-19	731624	731213	411000	7398714	7379981	18733	9723	382544	95416	4.01	
6-Aug-19	732035	731624	411000	7417392	7398714	18678	9723	382599	95310	4.01	
7-Aug-19	732439	732035	404000	7436576	7417392	19184	9723	375093	92514	4.05	
8-Aug-19	732839	732439	400000	7453383	7436576	16807	9723	373470	92598	4.03	
9-Aug-19	733251	732839	412000	7471772	7453383	18389	9723	383888	95104	4.04	
10-Aug-19	733655	733251	404000	7489065	7471772	17293	9723	376984	92118	4.09	
11-Aug-19	734056	733655	401000	7506414	7489065	17349	9723	373928	90636	4.13	
12-Aug-19	734456	734056	400000	7524124	7506414	17710	9723	372567	90501	4.12	
13-Aug-19	734866	734456	410000	7541636	7524124	17512	9723	382765	95124	4.02	
14-Aug-19	735266	734866	400000	7559418	7541636	17782	9723	372495	92393	4.03	
15-Aug-19	735665	735266	399000	7577435	7559418	18017	9723	371260	91433	4.06	
16-Aug-19	736080	735665	415000	7595874	7577435	18439	9723	386838	95770	4.04	
17-Aug-19	736490	736080	410000	7614411	7595874	18537	9723	381740	95903	3.98	
18-Aug-19	736871	736490	381000	7631865	7614411	17454	9318	354228	87500	4.05	
19-Aug-19	737284	736871	413000	7650645	7631865	18780	9723	384497	95528	4.02	
20-Aug-19	737700	737284	416000	7669341	7650645	18696	9723	387581	96621	4.01	
21-Aug-19	738116	737700	416000	7688041	7669341	18700	9723	387577	96588	4.01	
22-Aug-19	738530	738116	414000	35.998	16.912	19086	9723	385191	96551	3.99	
23-Aug-19	738948	738530	418000	55.218	35.998	19220	9723	389057	96689	4.02	
24-Aug-19	739327	738948	379000	71.956	55.218	16738	9318	352944	86790	4.07	
25-Aug-19	739741	739327	414000	91.278	71.956	19322	9723	384955	96020	4.01	
26-Aug-19	740156	739741	415000	110168	91278	18890	9723	386387	96548	4.00	
27-Aug-19	740571	740156	415000	129164	110168	18996	9723	386281	96508	4.00	
28-Aug-19	740986	740571	415000	147599	129164	18435	9723	386842	96213	4.02	
29-Aug-19	741403	740986	417000	166413	147599	18814	9723	388463	95389	4.07	
30-Aug-19	741818	741403	415000	185165	166413	18752	9723	386525	95320	4.06	
31-Aug-19	742233	741818	415000	203806	185165	18641	9723	386636	95516	4.05	
TOTAL		12651000			569543		300603	11780854	2922648	4.03	

MRSS MONTHLY POWER CONSUMPTION	12651000
L&T MONTHLY POWER CONSUMPTION	569543
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	300603
PLANT MONTHLY POWER CONSUMPTION	11780854
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	1091669
RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	269818
NET PLANT MONTHLY POWER CONSUMPTION	10689185
RO WATER MOTHLY PRODUCTION	2652830
PLANT SPECIFIC POWER KWH/M3	4.03

NOTE :The details are given below

01.07.2019 to 31.07.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

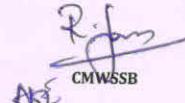
18.08.2019 total plant stopped at 06:30hrs for TNEB Power supply change over from Siruseri to Veerapuram as per the request from Kovalam AE

19.07.2019 - All the RO trains tripped due to TNEB voltage fluctuation(Under Voltage)

24.08.2019- Total plant tripped due to TNEB power supply failure

H.A.L

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CMWSSB
AE



100 MLD DESALINATION PLANT, NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF SEPTEMBER 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Sep-19	742651	742233	418000	222917	203806	19111	9723	389166	95742	4.06
2-Sep-19	743068	742651	417000	242189	222917	19272	9723	388005	95605	4.06
3-Sep-19	743470	743068	402000	259773	242189	17584	9723	374693	91793	4.08
4-Sep-19	743874	743470	404000	277979	259773	18206	9723	376071	91468	4.11
5-Sep-19	744277	743874	403000	295325	277979	17346	9723	375931	90531	4.15
6-Sep-19	744685	744277	408000	313124	295325	17799	9723	380478	91700	4.15
7-Sep-19	745088	744685	403000	330248	313124	17124	9723	376153	90725	4.15
8-Sep-19	745493	745088	405000	347280	330248	17032	9723	378245	91074	4.15
9-Sep-19	745894	745493	401000	364209	347280	16929	9723	374348	90450	4.14
10-Sep-19	746281	745894	387000	380880	364209	16671	9723	360606	88320	4.08
11-Sep-19	746668	746281	387000	396822	380880	15942	9723	361335	85300	4.24
12-Sep-19	747053	746668	385000	412379	396822	15557	9723	359720	85353	4.21
13-Sep-19	747425	747053	372000	426776	412379	14397	9723	347880	80789	4.31
14-Sep-19	747798	747425	373000	441220	426776	14444	9723	348833	80996	4.31
15-Sep-19	748189	747798	391000	457201	441220	15981	9723	365296	85520	4.27
16-Sep-19	748601	748189	412000	474771	457201	17570	9723	384707	90550	4.25
17-Sep-19	749014	748601	413000	492333	474771	17562	9723	385715	91510	4.22
18-Sep-19	749424	749014	410000	510352	492333	18019	9723	382258	92900	4.11
19-Sep-19	749829	749424	405000	528474	510352	18122	9723	377155	92610	4.07
20-Sep-19	750235	749829	406000	546589	528474	18115	9723	378162	92624	4.08
21-Sep-19	750637	750235	402000	564580	546589	17991	9723	374286	92677	4.04
22-Sep-19	751038	750637	401000	582330	564580	17750	9723	373527	92604	4.03
23-Sep-19	751435	751038	397000	600300	582330	17970	9723	369307	92651	3.99
24-Sep-19	751831	751435	396000	617612	600300	17312	9723	360658	91610	4.03
25-Sep-19	752230	751831	399000	636035	617612	18423	9723	370854	92813	4.00
26-Sep-19	752631	752230	401000	654296	636035	18261	9723	373016	92744	4.02
27-Sep-19	753032	752631	401000	671899	654296	17603	9723	373674	92868	4.02
28-Sep-19	753433	753032	401000	690109	671899	18210	9723	373067	92733	4.02
29-Sep-19	753824	753433	391000	708170	690109	18061	9723	363216	92605	3.92
30-Sep-19	754222	753824	398000	726165	708170	17995	9723	370282	92874	3.99
TOTAL			11989000			522359	291690	11174951	2721739	4.11

MRSS MONTHLY POWER CONSUMPTION	11989000
L&T MONTHLY POWER CONSUMPTION	522359
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	291690
PLANT MONTHLY POWER CONSUMPTION	11174951
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	734261
RO WATER MONTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	177130
NET PLANT MONTHLY POWER CONSUMPTION	10440690
RO WATER MONTHLY PRODUCTION	2544609
PLANT SPECIFIC POWER KWH/M3	4.10

NOTE :The details are given below

01.09.2019 to 30.09.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

15.09.2019 & 24.09.2019 - All the RO trains tripped due to TNB voltage fluctuation(Under Voltage).

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VATECH WABAG LTD

CMWSSB



100 MLD DESALINATION PLANT, NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF OCTOBER 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			POWER CONSUMPTION (KWH)	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Oct-19	754618	754222	396000	743854	726165	17689	9723	368588	92940	3.97
2-Oct-19	755016	754618	398000	761749	743854	17895	9723	370382	92836	3.99
3-Oct-19	755412	755016	396000	779935	761749	18186	9723	368091	92887	3.96
4-Oct-19	755784	755412	372000	796725	779935	16790	9318	345892	86396	4.00
5-Oct-19	756182	755784	398000	814581	796725	17856	9723	370421	92861	3.99
6-Oct-19	756554	756182	372000	830887	814581	16306	9318	346376	86522	4.00
7-Oct-19	756952	756554	398000	848976	830887	18089	9723	370188	92767	3.99
8-Oct-19	757351	756952	399000	866839	848976	17863	9723	371414	92824	4.00
9-Oct-19	757746	757351	395000	884702	866839	17863	9723	367414	92788	3.96
10-Oct-19	758113	757746	367000	901366	884702	16664	9318	341018	86070	3.96
11-Oct-19	758508	758113	395000	919586	901366	18220	9723	367057	92750	3.96
12-Oct-19	758905	758508	397000	937714	919586	18128	9723	369149	92859	3.98
13-Oct-19	759297	758905	392000	955849	937714	18135	9723	364142	92877	3.92
14-Oct-19	759690	759297	393000	973949	955849	18100	9723	365177	92931	3.93
15-Oct-19	759928	759690	238000	984560	973949	10611	6482	220902	54918	4.02
16-Oct-19	760251	759928	323000	998077	984560	13517	9723	299760	76363	3.93
17-Oct-19	760582	760251	331000	1012330	998077	14253	9723	307024	78784	3.90
18-Oct-19	760912	760582	330000	1027467	1012330	15137	9723	305140	80700	3.78
19-Oct-19	761255	760912	343000	1042002	1027467	14535	9723	318742	82699	3.85
20-Oct-19	761620	761255	365000	1059300	1042002	17298	9723	337979	87010	3.88
21-Oct-19	762019	761620	399000	1077668	1059300	18368	9723	370909	96611	3.84
22-Oct-19	762413	762019	394000	1096513	1077668	18845	9723	365432	96298	3.79
23-Oct-19	762801	762413	388000	1115291	1096513	18778	9723	359499	96836	3.71
24-Oct-19	763186	762801	385000	1134373	1115291	19082	9723	356195	96655	3.69
25-Oct-19	763572	763186	386000	1153366	1134373	18993	9723	357284	96710	3.69
26-Oct-19	763959	763572	387000	1172125	1153366	18759	9723	358518	96819	3.70
27-Oct-19	764344	763959	385000	1191130	1172125	19005	9723	356272	96814	3.68
28-Oct-19	764726	764344	382000	1209807	1191130	18677	9723	353600	96893	3.65
29-Oct-19	765106	764726	380000	1228785	1209807	18978	9723	351299	96701	3.63
30-Oct-19	765264	765106	158000	1234446	1228785	5661	9318	143021	35751	4.00
31-Oct-19	765450	765264	186000	1241620	1234446	7174	9723	169103	44597	3.79
TOTAL		11228000			515455		296552	10415993	2691467	3.87

MRSS MONTHLY POWER CONSUMPTION	11228000	NOTE : The details are given below
L&T MONTHLY POWER CONSUMPTION	515455	01.10.2019 to 31.10.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	296552	04.10.2019 As per the request from TNB/AE/kovalam TNB power supply change over Siruseri to Veerapuram line.
PLANT MONTHLY POWER CONSUMPTION	10415993	06.10.2019 As per the request from TNB/AE/kovalam TNB power supply change over Veerapuram to Siruseri line.
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	3134962	10.10.2019 As per the request from TNB/AE/kovalam TNB power supply change over Siruseri to Veerapuram line.
RO WATER MOTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	799810	15.10.2019 Intake calcium shock chlorination work approved by CMWSSB.
NET PLANT MONTHLY POWER CONSUMPTION	7281031	16,17,18,19&20.10.2019 RO skid chemical cleaning work approved by CMWSSB
RO WATER MOTHLY PRODUCTION	1891657	30.10.2019 As per the request from TNB/AE/kovalam TNB power supply change over Veerapuram to Siruseri line.
PLANT SPECIFIC POWER KWH/M3	3.85	30&31.10.2019 Maintenance work in the CMWSSB Transmission line.

VATECH WABAG LTD.

CMWSSB
APPROVAL



100 MLD DESALINATION PLANT , NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF NOVEMBER 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Nov-19	765659	765450	209000	1249973	1241620	8353	9723	190924	51695	3.69
2-Nov-19	765960	765659	309000	1263958	1249973	13885	9723	285392	79119	3.61
3-Nov-19	766339	765968	371000	1281937	1263858	18079	9723	343198	95021	3.61
4-Nov-19	766716	766339	377000	1300901	1281937	18964	9723	348313	97384	3.58
5-Nov-19	767093	766716	377000	1319367	1300901	18466	9723	348811	96921	3.60
6-Nov-19	767455	767093	362000	1336986	1319367	17619	9723	334658	95162	3.52
7-Nov-19	767730	767455	275000	1349304	1336986	12318	9723	252959	74226	3.41
8-Nov-19	768074	767730	344000	1366919	1349304	17615	9723	316662	92614	3.42
9-Nov-19	768445	768074	371000	1385371	1366919	18452	9723	342825	97288	3.52
10-Nov-19	768809	768445	364000	1404374	1385371	19003	9723	335274	97228	3.45
11-Nov-19	769176	768809	367000	1423253	1404374	18879	9723	338398	97587	3.47
12-Nov-19	769530	769176	354000	1441901	1423253	18648	9723	325629	97710	3.33
13-Nov-19	769888	769530	358000	1460581	1441901	18680	9723	329597	98687	3.34
14-Nov-19	770248	769888	360000	1479509	1460581	18928	9723	331349	98605	3.36
15-Nov-19	770607	770248	359000	1497650	1479509	18141	9314	331545	95889	3.46
16-Nov-19	770947	770607	340000	1514913	1497650	17263	9314	313423	94789	3.31
17-Nov-19	771309	770947	362000	1533442	1514913	18529	9723	333748	100602	3.32
18-Nov-19	771676	771309	367000	1552166	1533442	18724	9723	338553	100768	3.36
19-Nov-19	772044	771676	368000	1570669	1552166	18503	9723	339774	100589	3.38
20-Nov-19	772410	772044	366000	1589478	1570669	18809	9723	337468	100478	3.36
21-Nov-19	772764	772410	354000	1607048	1589478	17570	9723	326707	95713	3.41
22-Nov-19	773119	772764	355000	1625663	1607048	18615	9723	326662	95872	3.41
23-Nov-19	773481	773119	362000	1644215	1625663	18552	9723	333725	95895	3.48
24-Nov-19	773850	773481	369000	1662919	1644215	18704	9723	340573	98041	3.47
25-Nov-19	774220	773850	370000	1681405	1662919	18486	9723	341791	97057	3.52
26-Nov-19	774592	774220	372000	1700069	1681405	18664	9723	343613	96128	3.57
27-Nov-19	774968	774592	376000	1718904	1700069	18835	9723	347442	97989	3.55
28-Nov-19	775350	774968	382000	1737694	1718904	18790	9723	353487	100301	3.52
29-Nov-19	775726	775350	376000	1756160	1737694	18466	9723	347811	97001	3.59
30-Nov-19	776101	775726	375000	1774945	1756160	18785	9723	346492	97256	3.56
TOTAL		10651000			533325	290872	9826803	2833615	3.47	

MRSS MONTHLY POWER CONSUMPTION	10651000
L&T MONTHLY POWER CONSUMPTION	533325
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	290872
PLANT MONTHLY POWER CONSUMPTION	9826803
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	2717967
RO WATER MONTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	776543
NET PLANT MONTHLY POWER CONSUMPTION	7108816
RO WATER MONTHLY PRODUCTION	2057072
PLANT SPECIFIC POWER KWH/M3	3.46

NOTE :The details are given below

01.11.2019 to 30.11.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

01.11.2019 & 02.11.2019 Plant operated with reduced production as per the instruction from CMWSSB due to maintenance work in the transmission line

05.11.2019 & 26.11.2019 - All the RO trains tripped due to TNEB voltage fluctuation(Under Voltage)

06.11.2019,07.11.2019 & 08.11.2019 Plant operated with reduced production as per the instruction from CMWSSB due to L&T transfer pump maintenance work

15.11.2019 & 16.11.2019 As per the request from TNEB/AE/Kovalam TNEB power supply change over Siruseri to Veerapuram line.

VATECH WABAG LTD

CMWSSB



100 MLD DESALINATION PLANT, NEMMELI



10M35/EPCR/E/006

POWER CONSUMPTION FOR THE MONTH OF DECEMBER 2019

DATE	MRSS TRIVECTOR METER READING			L&T READING			ENHANCEMENT ADDITIONAL LOAD	NET PLANT POWER CONSUMPTION (KWH)	RO PRODUCTION (M3)	KWH/M3
	FINAL READING (MWH)	INITIAL READING (MWH)	MRSS POWER CONSUMPTION (KWH)	FINAL READING (KWH)	INITIAL READING (KWH)	L&T POWER CONSUMPTION (KWH)				
1-Dec-19	776479	776101	378000	1793695	1774945	18750	9723	349527	98244	3.56
2-Dec-19	776860	776479	381000	1812758	1793695	19063	9723	352214	98372	3.58
3-Dec-19	777240	776860	380000	1831933	1812758	19175	9723	351102	98833	3.55
4-Dec-19	777615	777240	375000	1851091	1831933	19158	9723	346119	98903	3.50
5-Dec-19	777992	777615	377000	1870216	1851091	19125	9723	348152	98430	3.54
6-Dec-19	778373	777992	381000	1889226	1870216	19010	9723	352267	98403	3.58
7-Dec-19	778760	778373	387000	1907630	1889226	18404	9723	358873	98527	3.64
8-Dec-19	779144	778760	384000	1926173	1907630	18543	9723	355734	98710	3.60
9-Dec-19	779529	779144	385000	1945166	1926173	18993	9723	356284	98176	3.63
10-Dec-19	779911	779529	382000	1963600	1945166	18434	9723	353843	98795	3.58
11-Dec-19	780291	779911	380000	1981641	1963600	18041	9723	352236	96384	3.65
12-Dec-19	780675	780291	384000	2000603	1981641	18962	9723	355315	97575	3.64
13-Dec-19	781061	780675	386000	2019392	2000603	18789	9723	357488	97970	3.65
14-Dec-19	781444	781061	383000	2037949	2019392	18557	9723	354720	97994	3.62
15-Dec-19	781832	781444	388000	2056540	2037949	18591	9723	359686	100608	3.58
16-Dec-19	782223	781832	391000	2074499	2056540	17959	9723	363318	100527	3.61
17-Dec-19	782609	782223	386000	2092884	2074499	18385	9723	357892	98567	3.63
18-Dec-19	782992	782609	383000	2111504	2092884	18620	9723	354657	98398	3.60
19-Dec-19	783373	782992	381000	2130565	2111504	19061	9723	352216	96479	3.65
20-Dec-19	783759	783373	386000	2149343	2130565	18778	9723	357499	97499	3.67
21-Dec-19	784147	783759	388000	2167836	2149343	18493	9723	359784	97209	3.70
22-Dec-19	784533	784147	386000	2186444	2167836	18608	9723	357669	97810	3.66
23-Dec-19	784919	784533	386000	2205402	2186444	18958	9723	357319	96656	3.70
24-Dec-19	785302	784919	383000	2223193	2205402	17791	9723	355486	96514	3.68
25-Dec-19	785687	785302	385000	2242427	2223193	19234	9723	356043	96898	3.67
26-Dec-19	786005	785687	318000	2257289	2242427	14962	8913	294225	77743	3.78
27-Dec-19	786391	786005	386000	2276279	2257289	18990	9723	357287	96773	3.69
28-Dec-19	786777	786391	386000	2294977	2276279	18698	9723	357579	96722	3.70
29-Dec-19	787164	786777	387000	2313662	2294977	18685	9723	358592	96506	3.72
30-Dec-19	787548	787164	384000	2332107	2313662	18445	9723	355832	95832	3.71
31-Dec-19	787931	787548	383000	2350686	2332107	18579	9723	354698	95436	3.72
TOTAL		11830000			575741	300603	10953656	3011493	3.64	

MRSS MONTHLY POWER CONSUMPTION	11830000
L&T MONTHLY POWER CONSUMPTION	575741
ENHANCEMENT ADDITIONAL LOAD POWER CONSUMPTION	300603
PLANT MONTHLY POWER CONSUMPTION	10953656
POWER CONSUMPTION DURING SHUTDOWN / PLANT MAINTENANCE	294225
RO WATER MONTHLY PRODUCTION DURING SHUTDOWN / PLANT MAINTENANCE	77743
NET PLANT MONTHLY POWER CONSUMPTION	10659431
RO WATER MONTHLY PRODUCTION	2933750
PLANT SPECIFIC POWER KWH/M3	3.63

NOTE :The details are given below
01.12.2019 to 31.12.2019 White fibrous particles present in sea water and also sea water TOC exceeded the permissible limit.

26.12.2019 Total plant got tripped two times due to TNEB power failure. One is at 1444hrs and the second one is at 1712hrs. Also white fibrous particles were present in sea water.

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