GANPATI SUGAR INDUSTRIES LIMITED

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Date: 04/07/06

Dear CDM Executive Board Member,

We have received your mail on Request for review for: **"Ganpati Co-Generation Project at Medak, Andhra Pradesh" (Ref No: 0370)** and noted the content.

We thank CDM Executive Board to provide us with an opportunity to respond to the request for review. Our response on the three comments of EB members is attached in file "reply on request for review" with the enclosures.

Further the details of the contact person to attend the requested conference call:

Contact Name	: Mr. P.M.Nair,Director (operation)
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Kindly let us know in advance the date and time of the conference call if required.

Please do not hesitate to contact us in case of any further clarification.

Best regards

Yours sincerely

Mahesh Barasia
President (Commercial)

GANPATI SUGAR INDUSTRIES LTD. CALCUTTA

Project : Ganpati Co-Generation Project at Medak, Andhra Pradesh (0370)

Date : 27th June, 2006

Reply to the issues raised by the EB members in the request for review:

Reasons for the request for review 1:

"Based on information and discussions presented in various section of the PDD, the reduction in GHG emissions does not appear additional to any that would occur in the absence of the proposed activity. The PDD clearly indicates that the bagasse used in the project requesting for CDM registration could have been used for ethanol production. Since ethanol is a GHG free commodity, diverting the use of bagasse from ethanol plant to co-generation plant offsetting grid electricity does not result in GHG mitigation."

Reply by the Project Participant:

Quoting the relevant portion from the PDD that mentions fuel ethanol :

Section B3
Step 0 / b.

"Fuel Ethanol blending was being made mandatory and the Company could quite easily have opted for setting up a fuel ethanol project, with lower project off take risk and more credible customers'"

Step 1 / 2
"Set up a distillery for manufacturing fuel ethanol: This option was seriously considered and had found favour, but was ultimately rejected as it would not have been eligible to generate CERs, as the then government was in the process of making it mandatory for fuel companies to blend 5% fuel ethanol with petrol;"

Reply: We would like to clarify the following :

1. Molasses and NOT Bagasses is used to manufacture fuel ethanol, so there is no question of diverting the bagasses from ethanol plant to co-generation plant. It must also be pointed out that currently there is not a single sugar plant in India that is manufacturing ethanol out of bagasses.
2. The Company was and is selling the molasses generated to 3rd parties, who in turn use it to make ethanol (both potable and fuel).
3. The bagasses being used in the project activity is completely mill generated, this was (till the commissioning of the project activity) being fired in the old/outdated boilers to generate the power required for the plant. The project activity (one of the first high pressure configuration co-generation units in the Indian sugar industry) generated more power (installed capacity 15 MW) using almost the same amount of bagasses being used by the old boilers.

In view of the above, it is clear that, based on available, commercially proven technology, there was/is no possibility of diverting the use of bagasse from ethanol plant to co-generation plant.

Reasons for the request for review 2:

While calculating the approximate operating margin none of the options specified by AMS I.D. has been followed. The project participant could have used option 1 (a 3 year average, based on the most recent statistics available at the time of PDD submission), as necessary data are easily available from the CEA of India. The PDD uses Option 2 (the year in which project generation occurs, if emission factor is updated based on ex post monitoring), but neither the PDD nor the validation report mentions anywhere that the emission factor would be updated based on ex-post monitoring.

Reply by the Project Participant:

At the point in time when the PDD was developed, Version 07 SSC M&P was the applicable version. Thus the project participant developed the baseline following version 07 SSC M&P.

It must be pointed out that Version 07 SSC M&P does not contain any formulae for computing the Operational Margin (OM) and the Build Margin (BM). Further the said version did not specify that the baseline should be computed, based on most recent years or the year in which project generation occurs. The baseline options were limited to only OM&BM and simple weighted average of current generation mix.

In view of the above, project participant used the readily available data and opted for OM and BM baseline (for the year in which the generation occurs).

The latest version of the small scale methodologies SSC M&P Version 8 has elaborated on the selection and the calculation of the emission factor. As we have been requested to update the baseline based on the latest guidelines, we have done so and this results in the GHG emission reduction factor shifting from 0.937 tCO2e/MW Hr to 0.980 tCO2e/Mw hr.

Please note that the PDD, in section E.1.2.4 step-2, page 25 states “Step 2” Calculation of Build Margin Emission Factor for the Region (ex-ante)”.

This has been further clarified in the revised version of the PDD enclosed as (Annex 4).

A new excel spread sheet based on the SSC M&P Version 8 is annexed (Annex –I) for the new baseline emission factor, which is higher than what established earlier.

As we now have 2 possible GHG emissions reduction factors (baselines) available i.e.:

1. **based on version 7 : 0.937 tCO2e/MwH**
2. **based on the latest version (as desired by the EB) i.e. 8 : 0.980 tCO2e/MwH**

we would be guided by the EBs guidance on the baseline to be adopted.

Reasons for the request for review 3:

The validation report does not include a validation statement (or opinion). Normally the DOE provides three pieces of document (a protocol, a finding and an assessment) separately, and in this case the main piece stating its opinion or statement (or a conclusion of the validation process) is missing.

Under the purview of validators

Reasons for the request for review 4:

The PDD states that the net thermal energy output from the boiler is less than 45 MWth.Please specify what is the actual thermal energy output capacity of the boiler.Also, how much of the total electricity generation from the project is used for captive use and auxiliary consumption? Since the project is already in operation for a couple of years, these numbers are easily available through monitoring records.

The validation team has verified the following documents to confirm that the same complies with the threshold of the SSC.

(i) The validation team visited the site on the 5th Dec 2005 and verified the net thermal energy output from the boiler (in TPH) and the power generated from the TG.

(ii) Certificate from the Boiler supplier confirming that the project is with in the limits of SSC (Ref L-Annex 10.1 as in UK AR.6.CDM .Validation Annex 2 Issue of 1 of SGS)

(iii) Detailed back up calculation paper were analyzed and verified by the validation team. Based on the analysis, it can be confirmed that the net thermal energy output from the boiler is 44.88 MW thermal.(Ref L-Annex 10.2 as in UK AR.6.CDM .Validation Annex 2 Issue of 1 of SGS)

(iv) The utilization of the steam parameters within the plant has also been furnished to the validators, to demonstrate how the steam is being utilized in the plant (Ref L-Annex 10.3 as in UK AR.6.CDM Validation Annex 2 Issue of 1 of SGS)

The total power output, captive, auxiliary and export power are annexed separately along with this documents for the EB reference **Annex -2.**

A graph on the steam generation and the power output is annexed as – **Annex -3**

Reasons for the request for review 5:

One of the alternatives to the project activity mentioned in the PDD is "set up a new co-generation power project based on high pressure boiler configuration and develop the project under the CDM" which is the proposed CDM project, not an alternative to the project. It should be corrected to: "set up a new co-generation power project based on high pressure boiler configuration and develop the project without CDM registration"

The project proponent has made the necessary amendments to the PDD and is annexed as ***(Annex 4)***

Reasons for the request for review 6:

Under the monitoring plan, the table listing items to be monitored (e.g., power generation, captive power consumption, export etc), uses unit MW. It should be MWh instead of MW.

The project proponent has changed in the attached PDD and is annexed as **(Annex 4).**

BASELINE INFORMATION

Power station	Owner	Installed capacity MW	Fuel	Generation GWh 2005	2004	2003	Emission Factor IPCC tCO2/GWh	Emissions tCO2 2005	2004	2003
Karnataka										
Raichur	KPCL	1470	Coal 3E	10717.93	11400	10290	1079.51844	11570203.07	12306510.22	11108244.75
Sharavathy	KPCL	891	Hydro	3853.74	3316	2950	0	0	0	0
Gerusuppa	KPCL	240	Hydro	437.59	358	297	0	0	0	0
Tanir Bavi	GMR	220	Naptha	629.55	1631	1280	638.3924507	401899.9673	1041218.087	817142.3369
Wind Projects	Pvt	209.2	Wind	308	308	175		0	0	0
Biomass &Cogen	Pvt	135.4	Biomass	260	260			0	0	0
Kadra	KPCL	150	Hydro	230.98	223	238	0	0	0	0
Kodasali	KPCL	120	Hydro	214.76	214	218	0	0	0	0
Yelahanka	VVNL	120	Diesel	271.14	384	715	638.3924507	173093.7291	245142.7011	456450.6022
Ghat Prabha	KPCL	32	Hydro	96.61	62	59	0	0	0	0
Mani DPH	KPCL	9	Hydro	23.46	11	18	0	0	0	0
Mallarpur	KPCL	9	Hydro	0	0	1	0	0	0	0
Varahi	KPCL	230	Hydro	973.27	721	844	0	0	0	0
Supa	KPCL	100	Hydro	294.64	241	257	0	0	0	0
Kalinadi	KPCL	810	Hydro	1719.69	1718	1812	0	0	0	0
Linganamakki	KPCL	55	Hydro	194.32	120	111	0	0	0	0
Munirabad	KEB	27	Hydro	68.71	41	47	0	0	0	0
Bhadra	KPCL	33.4	Hydro	41.4	11	18	0	0	0	0
Jog	KEB	120	Hydro	174.18	160	146	0	0	0	0
Shimsapura	KEB	17.2	Hydro	93.85	57	57	0	0	0	0
Sivasamundrum	KEB	42	Hydro	191.59	79	14	0	0	0	0
Almatti DPH	KPCL	125	Hydro	138.68	0	138	0	0	0	0
Bellary	Pvt	25.2	Diesel	40.32	42	64	638.3924507	25739.98361	26812.48293	40857.11684
Torangallu IMP	Jindal	260	Coal	516.33	766	872	1079.51844	557387.7561	826911.125	941340.0797
Belgaum	Tata	81.3	Diesel	238.46	235	355	638.3924507	152231.0638	150022.2259	226629.32
Shivpura	BPCL	18	Hydro	72.34	54	67	0	0	0	0
Shahpur	BPCL	6.6	Hydro	25.15	22	22	0	0	0	0
Harangi	BPCL	9	Hydro	0	0	0	0	0	0	0
Madhavmantri	BPCL	3	Hydro	22.86	13	23	0	0	0	0
Narayanpur	My PC	6.6	Hydro	42.26	38	36	0	0	0	0
Kaiga	NPC	440	Nuclear	2926.25	3123	3317	0	0	0	0

Andhra Pradesh										
K_Gudam	APGENCO	1170	Coal 3E	9504.3	8177	8729	1327.451796	12616500.1	10854573.34	11587326.73
Vijayawada	APGENCO	1260	Coal 3E	9848.8	10104	10288	1043.534492	10277562.5	10543872.51	10735882.85
Ramagundam	APGENCO	62.5	Coal 3E	496	471	390	1280.791292	635272.4808	603252.6985	499508.6039
Nellore	APGENCO	30	Coal 3E	153.9	146	147	1487.204708	228880.8046	217131.8874	218619.0921
Rayal Seema	APGENCO	420	Coal 3E	3353.6	3331	3488	1052.629336	3530097.741	3506308.318	3671571.124
Vijeshwaran	APGPC	272.3	Gas	1993.4	2147	2031	483.534876	963878.4218	1038149.379	982059.3332
Machkund	APGENCO	114.7	Hydro	900.4	529	579	0	0	0	0
Upper Sileru	APGENCO	240	Hydro	544.2	401	245	0	0	0	0
Lower Sileru	APGENCO	460	Hydro	1171.1	977	615	0	0	0	0
T. B. Dam	APGENCO	36	Hydro	148.2	102	119	0	0	0	0
Hampi	APGENCO	36	Hydro	0	0	0	0	0	0	0
Nagarjuna Sagar	APGENCO	810	Hydro	501.5	369	868	0	0	0	0
Nag Sagar RBC	APGENCO	90	Hydro	47.7	0	0	0	0	0	0
Nag Sagar LBC	APGENCO	60	Hydro	5.1	0	0	0	0	0	0
Donkarayi	APGENCO	25	Hydro	132.3	111	41	0	0	0	0
Srisailam	APGENCO	770	Hydro	941	309	537	0	0	0	0
Srisailam LB	APGENCO	900	Hydro	1411.7	328	558	0	0	0	0
Pochampad	APGENCO	27	Hydro	1.6	64	81	0	0	0	0
Nizam Sagar	APGENCO	10	Hydro	0	6	0	0	0	0	0
Penna Ahobelam	APGENCO	20	Hydro	0	0	0	0	0	0	0
Singur	APGENCO	15	Hydro	1.47	6	7	0	0	0	0
Small Hydro	APGENCO	30	Hydro	6.3	8	15	0	0	0	0
Peddapuram CCGT	REL	220	Gas	1141.34	1249	850	483.534876	551877.6954	603935.0601	411004.6446
Jegurupadu GT	GVK	235.4	Gas	1419.62	1505	1583	483.534876	686435.7807	727719.9884	765435.7087
Kondapalli	Kondapalli Th	350	Gas	2246.34	2238	2477	483.534876	1086183.733	1082151.052	1197715.888
LVS Power	LVS Power	36.8	Diesel	0	0	2	638.3924507	0	0	1276.784901
Godavari GT	Spectrum	208	Gas	1372.96	1100	1250	483.534876	663874.0434	531888.3636	604418.595
R'gundam STPS	NTPC	2600	Coal	17169.83	16332	16839	1053.008947	18079984.61	17197742.12	17731617.66
Simhadri	NTPC	1000	Coal	8122.1	7722	4974	1053.008947	8552643.967	8131335.088	5237666.502
Wind	Pvt	98.8	Wind	92	92	95		0	0	0
Biomass & Cogen	Pvt	197.3	Biomass					0	0	0
Kerala										
Brahamapuram DG	KSEB	106.5	Diesel	136.4	266	267	638.3924507	87076.73027	169812.3919	170450.7843
Kozikode DG	KSEB	128.8	Diesel	160.5	313	385	638.3924507	102461.9883	199816.8371	245781.0935
Kuttiadi	KSEB	125	Hydro	370.54	259	304	0	0	0	0
Idukki	KSEB	780	Hydro	2003.4	1246	1905	0	0	0	0

Sabarigiri	KSEB	300	Hydro	1224.54	698	804	0	0	0	0
Idamalayar	KSEB	75	Hydro	338.31	155	259	0	0	0	0
Kakkad	KSEB	50	Hydro	210.38	126	150	0	0	0	0
Sholayar	KSEB	54	Hydro	263.01	202	138	0	0	0	0
Sengulam	KSEB	48	Hydro	166.96	128	130	0	0	0	0
Narimangalam	KSEB	45	Hydro	231.95	196	230	0	0	0	0
Pallivasal	KSEB	37.5	Hydro	222.55	193	157	0	0	0	0
Poringalkuttu	KSEB	32	Hydro	181.6	142	123	0	0	0	0
Poringalkuttu L	KSEB	16	Hydro	107.89	88	78	0	0	0	0
Panniar	KSEB	30	Hydro	142.43	76	78	0	0	0	0
Kallada	KSEB	15	Hydro	76.93	36	35	0	0	0	0
Lower Periyar	KSEB	180	Hydro	512.39	363	414	0	0	0	0
Malankara	KSEB	10.5	Hydro	2.95	0	0	0	0	0	0
Chembukadavu	KSEB	6.5	Hydro	6.19	0	0	0	0	0	0
Urumi	KSEB	6.2	Hydro	0.91	0	0	0	0	0	0
Peppara	KSEB	3	Hydro	6.37	1	6	0	0	0	0
Madhupatty	KSEB	2	Hydro	4.07	8	2	0	0	0	0
Other Hydro	KSEB	5	Hydro	0	0	1	0	0	0	0
Cochin CCGT	REL	174	NG	111.83	991	305	483.534876	54073.70518	479183.0621	147478.1372
Kasargode	RPG	21.9	Diesel	15.75	78	148	638.3924507	10054.6811	49794.61115	94482.0827
Maniyar	KLPVT	10	Hydro	34.47	21	23	0	0	0	0
Kuthungal	KLPVT	21	Hydro	36.18	19	23	0	0	0	0
Kayamkulam	NTPC	350	NG	620.5	2118	2127	483.534876	300033.3906	1024126.867	1028478.681
Wind	Pvt	2	Wind	0	0	1		0	0	0
Biomass & Cogen	Pvt		Biomass					0	0	0
TamilNadu										
Ennore	TNEB	450	Coal 3E	1222.96	1258	1747	1693.66953	2071290.088	2130636.268	2958840.668
Tutikorin	TNEB	1050	Coal 9T	8180.01	8084	8187	1063.076544	8695976.759	8593910.78	8703407.664
Mettur	TNEB	840	Coal 9T	6683.96	6735	6739	1063.076544	7105561.095	7159820.522	7164072.828
North Chennai	TNEB	630	Coal 3E	3915.96	4347	4405	1053.024764	4123602.855	4577498.649	4638574.085
Basin Bridge	TNEB	120	NG	40.47	89	276	483.534876	19568.65643	43034.60396	133455.6258
Nariman GT	TNEB	10	NG	0	0	0	483.534876	0	0	0
Valuthur GT	TNEB	95	NG	557.5	671	104	483.534876	269570.6934	324451.9018	50287.6271
Kuttlam GT	TNEB	100	NG	640.88	108	0	483.534876	309887.8313	52221.76661	0
Kovilakalappal	TNEB	107	NG	763.32	745	726	483.534876	369091.8415	360233.4826	351046.32
Pyakara	TNEB	70	Hydro	213.43	141	254	0	0	0	0
Pyakara Dam	TNEB	2	Hydro	5.04	0	0	0	0	0	0
Moyar	TNEB	36	Hydro	90.17	53	105	0	0	0	0

Kundah	TNEB	555	Hydro	1567.42	429	764	0	0	0	0
Mettur Dam &Tunnel	TNEB	240	Hydro	334.58	85	130	0	0	0	0
Periyar	TNEB	140	Hydro	492.72	213	227	0	0	0	0
Kodayar	TNEB	100	Hydro	207.06	141	150	0	0	0	0
Sholayar	TNEB	95	Hydro	350.38	199	320	0	0	0	0
Aliyar	TNEB	60	Hydro	162.08	86	108	0	0	0	0
Sarkarpathy	TNEB	30	Hydro	114.67	51	97	0	0	0	0
Papanasam	TNEB	28	Hydro	88.5	47	65	0	0	0	0
Suruliyar	TNEB	35	Hydro	101.51	41	75	0	0	0	0
Servalar	TNEB	20	Hydro	34.62	19	19	0	0	0	0
Lower Mettur	TNEB	120	Hydro	254.66	97	168	0	0	0	0
Kadampari	TNEB	400	Hydro	256.79	408	203	0	0	0	0
Vaigai	TNEB	6	Hydro	12.25	5	5	0	0	0	0
Lower Bhavani	TNEB	16	Hydro	61.52	9	21	0	0	0	0
Sathur Dam	TNEB	7.5	Hydro	10.21	2	2	0	0	0	0
Parsen_S Valle	TNEB	30	Hydro	55.6	18	16	0	0	0	0
Karuppur GT	KEPS	119.8	NG	0	0	0	437	0	0	0
Samayanallur	Madurai P	106	Diesel	382.02	457	589	638.3924507	243878.684	291745.35	376013.1534
Neyveli	Pvt	250	Lignite	1335.82	1395	406	1225.477352	1637017.156	1709540.906	497543.8049
P Nallur CCGT	PPNPG	330.5	NG	464.3	1314	2169	483.534876	224505.2429	635364.8271	1048787.146
Samalpatti DG	Samalpatti	105.7	Diesel	357.33	458	623	638.3924507	228116.7744	292383.7424	397718.4968
Valantharvi GT	Valanth Th	52.8	NG	0	0	0	483.534876	0	0	0
Basin Bridge DG	Vasavi	200	Diesel	762.22	992	1209	638.3924507	486595.4937	633285.3111	771816.4729
Neyveli STI	NLC Th	600	Lignite	4257.8	4400	4421	1225.477352	5217837.469	5392100.349	5417835.373
Neyveli STII	NLC Th	1470	Lignite	9247.38	10003	10495	1225.477352	11332454.76	12258449.95	12861384.81
Neyveli FST Ext	NLC Th	420	Lignite	3237.68	1993	89	1225.477352	3967703.513	2442376.363	109067.4843
MAPP	NPC	340	Nuclear	1480.48	1577	1073	0	0	0	0
Wind	Pvt	1361.6	Wind	1592	1592	1305		0	0	0
Biomass & Cogen	Pvt	150.5	Biomass					0		
Pondichery										
Karaikal GT	PPCL	32.5	Gas	275.69	277	265	483.534876	133305.73	133939.1607	128136.7421
Total				144544.81	139694	136899		117743412.6	118588404.3	114529426.8

Summary

	GWh		GWh		GWh	
Fuel	2005	%	2004	%	2003	%

Hydro	27531.88	19.05	18922	13.55	20202	14.75697234
Nuclear	4406.73	3.05	4700	3.36	4390	3.206767082
Coal	80515.23	55.70	80504	57.63	78375	57.25065377
Diesel	2364.14	1.64	3225	2.31	4357	3.182661544
NG	11648.15	8.06	14552	10.42	14163	10.34565881
Lignite	18078.68	12.51	17791	12.74	15411	11.25728645
Total	144544.81	100.00	139694	100.00	136898	100
Total	28909		27939		27379.6	

Since must run/ low cost projects are less than 20% Simple OM as per ACM 0002 is applicable

Operating Margin Calculations of Southern Region

$\sum F_{i,,j,y} \times COEF_{i,,j}$			$\sum GEN\ i,,j$		
2005	2004	2003	2005	2004	2003
117743412.6	118588404	114529427	112606	116072	112306

$\sum EF_{OM,y}$ 1045.621046 1021.67968 1019.79793

Average ∑ EF OM,y **1029.03** GWh

Build Margin for southern region

Power station	Owner	Installed capacity MW	Fuel	Generation GWh 2005	Cummulative Generation GWh 2005	Emission Factor IPCC tCO2/GWh	Emissions tCO2 2005	Year of Commissioning
R'gundam STPS	NTPC	500	Coal	310.00	310.00	1,053.01	326,433	2004
Valuthur GT	TNEB	95	NG	557.50	867.50	483.53	269,571	2003
Raichur	KPCL	210	Coal 3E	1,500.00	2,367.50	1,079.52	1,619,278	2003
Peddapuram CCGT	REL	220	Gas	1,141.34	3,508.84	483.53	551,878	2002
Simhadri	NTPC	1000	Coal	8,122.10	11,630.94	1,053.01	8,552,644	2002
Gerusuppa	KPCL	240	Hydro	437.59	12,068.53	-	-	2000-2003
Srisailam LB	APGENCO	900	Hydro	1,411.70	13,480.23	-	-	2003-2001
Neyveli	Pvt	250	Lignite	1,335.82	14,816.05	1,225.48	1,637,017	2002
Neyveli FST Ext	NLC Th	420	Lignite	3,237.68	18,053.73	1,225.48	3,967,704	2002
Tanir Bavi	GMR	220	Naptha	629.55	18,683.28	638.39	401,900	2001
Samayanallur	Madurai P	106	Diesel	382.02	19,065.30	638.39	243,879	2001
Samalpatti DG	Samalpatti	105.7	Diesel	357.33	19,422.63	638.39	228,117	2001
Kondapalli	Kondapalli Th	350	Gas	2,246.34	21,668.97	483.53	1,086,184	2000
Kasargode	RPG	21.9	Diesel	15.75	21,684.72	638.39	10,055	2000
Kozikode DG	KSEB	128.8	Diesel	160.50	21,845.22	638.39	102,462	1999
Basin Bridge DG	Vasavi	120	Diesel	40.47	21,885.69	638.39	25,836	1999
K_Gudam	APGENCO	250	Coal 3E	2,040.00	23,925.69	1,327.45	2,708,002	1998
K_Gudam	APGENCO	250	Coal 3E	2,101.00	26,026.69	1,327.45	2,788,976	1998
Kayamkulam	NTPC		Naptha		26,647.19	483.53	300,033	1999
Kayamkulam	NTPC		Naptha		26,647.19	483.53	-	1999
Kayamkulam	NTPC	350	Naptha	620.50	26,647.19	483.53	-	1998
			Total	26,647		Total	24,819,966	
				Average		931.43		

Southern region emission factor

		2005
A	20% of state grid	28,909
B	Plants meeting 20%	26,647
C	Last Five Plants Total	18,685
∑ Fi,,j,y x COEF i,,j for C(t CO2)		24,819,966
∑ EF BM,y (tCO2/GWh)		931.43

Average ∑ EF BM,y	931.43
Average ∑ EF OM,y	1,029.03

∑ EFy	**980.23**	**(tCO2/GWh)**

GANPATI SUGAR INDUSTRIES LIMITED

15 MW COGENERATION PLANT

GENERATION/EXPORT/AUX.CONS/CAPTIVE CONSUMPTION IN THE FINANCIAL YEAR 2004-2005(CALANDER MONTH)

SL.NO	MONTH	GENERATION IN UNITS		AUXILIARY CONSUMPTION		CAPTIVE CONSUMPTION		EXPORT	
		SEASON	OFF-SEASON	SEASON	OFF-SEASON	SEASON	OFF-SEASON	SEASON	OFF-SEASON
1	**Apr-04**	-	2,165,000	-	285,700	-	19,300	-	1,860,000
2	**May-04**	-	2,536,000	-	302,200	-	30,800	-	2,203,000
3	**Jun-04**	-	-	-	-	-	-	-	-
4	**Jul-04**	-	-	-	-	-	-	-	-
5	**Aug-04**	-	-	-	-	-	-	-	-
6	**Sep-04**	-	-	-	-	-	-	-	-
7	**Oct-04**	-	-	-	-	-	-	-	-
8	**Nov-04**	3,020,000	-	459,000	-	762,000	-	1,799,000	-
9	**Dec-04**	4,414,000	-	542,000	-	966,000	-	2,906,000	-
10	**Jan-05**	6,162,000	-	831,000	-	1,388,000	-	3,943,000	-
11	**Feb-05**	2,683,000	2,663,000	363,800	393,200	592,000	518,000	1,714,000	1,765,000
12	**Mar-05**	-	2,758,000	-	334,000	-	564,000	-	1,860,000
	TOTAL	**16,279,000**	**10,122,000**	**2,195,800**	**1,315,100**	**3,708,000**	**1,132,100**	**10,362,000**	**7,688,000**

* 1 unit = 1 KwH

GANPATI SUGAR INDUSTRIES LIMITED

15 MW COGENERATION PLANT

GENERATION/EXPORT/AUX.CONS/CAPTIVE CONSUMPTION IN THE FINANCIAL YEAR 2005-2006 (CALANDER MONTH)

SL.NO	MONTH	GENERATION IN UNITS		AUXILIARY CONSUMPTION		CAPTIVE CONSUMPTION		EXPORT	
		SEASON	OFF-SEASON	SEASON	OFF-SEASON	SEASON	OFF-SEASON	SEASON	OFF-SEASON
1	**Apr-05**	-	4,380,000	-	681,000	-	598,000	-	3,101,000
2	**May-05**	-	-	-	-	-	-	-	-
3	**Jun-05**	-	-	-	-	-	-	-	-
4	**Jul-05**	-	-	-	-	-	-	-	-
5	**Aug-05**	-	-	-	-	-	-	-	-
6	**Sep-05**	-	-	-	-	-	-	-	-
7	**Oct-05**	-	-	-	-	-	-	-	-
8	**Nov-05**	-	-	-	-	-	-	-	-
9	**Dec-05**	6,914,000	-	745,150	-	1,040,850	-	5,128,000	-
10	**Jan-06**	8,756,000	-	972,000	-	1,346,000	-	6,438,000	-
11	**Feb-06**	6,494,000	-	850,000	-	1,244,000	-	4,400,000	-
12	**Mar-06**	6,538,000	-	934,900	-	1,358,100	-	4,245,000	-
	TOTAL	**28,702,000**	**4,380,000**	**3,502,050**	**681,000**	**4,988,950**	**598,000**	**20,211,000**	**3,101,000**

* 1 unit = 1 KwH

GANPATI SUGAR INDUSTRIES LIMITED

15 MW COGENERATION PLANT

GENERATION/EXPORT/AUX.CONS/CAPTIVE CONSUMPTION IN THE FINANCIAL YEAR 2006-2007 (CALANDER MONTH)

SL.NO	MONTH	GENERATION IN UNITS		AUXILIARY CONSUMPTION		CAPTIVE CONSUMPTION		EXPORT	
		SEASON	OFF-SEASON	SEASON	OFF-SEASON	SEASON	OFF-SEASON	SEASON	OFF-SEASON
1	**Apr-06**	5,252,000	744,000	775,000	120,000	1,026,000	112,000	3,451,000	512,000
2	**May-06**	-	6,658,000	-	907,000	-	450,000	-	5,301,000
3	**Jun-06**	-	4,398,000	-	577,000	-	42,000	-	3,779,000
	TOTAL	**5,252,000**	**11,800,000**	**775,000**	**1,604,000**	**1,026,000**	**604,000**	**3,451,000**	**9,592,000**

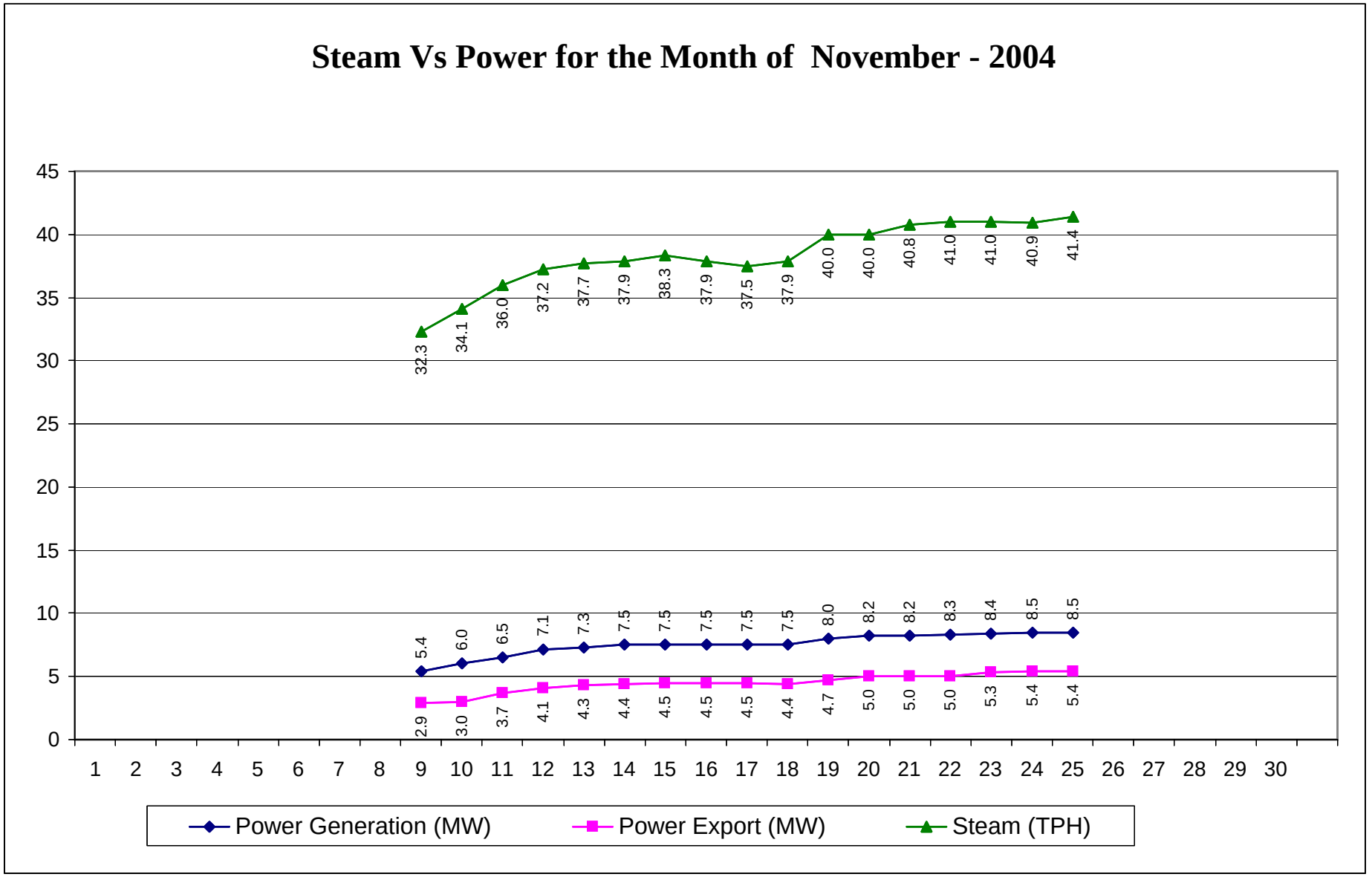
* 1 unit = 1 KwH

November - 2004

Steam Flow (TPH)	**Power Gen.** (MW)	**Power Export** (MW)	**Date**
			1
			2
			3
			4
			5
			6
			7
			8
32.3	5.4	2.9	9
34.1	6.0	3.0	10
36.0	6.5	3.7	11
37.2	7.1	4.1	12
37.7	7.3	4.3	13
37.9	7.5	4.4	14
38.3	7.5	4.5	15
37.9	7.5	4.5	16
37.5	7.5	4.5	17
37.9	7.5	4.4	18
40.0	8.0	4.7	19
40.0	8.2	5.0	20
40.8	8.2	5.0	21
41.0	8.3	5.0	22
41.0	8.4	5.3	23
40.9	8.5	5.4	24
41.4	8.5	5.4	25
			26
			27
			28
			29
			30

GANPATI SUGAR INDUSTIRES LIMITED.

15 M.W. CO-GEN PLANT

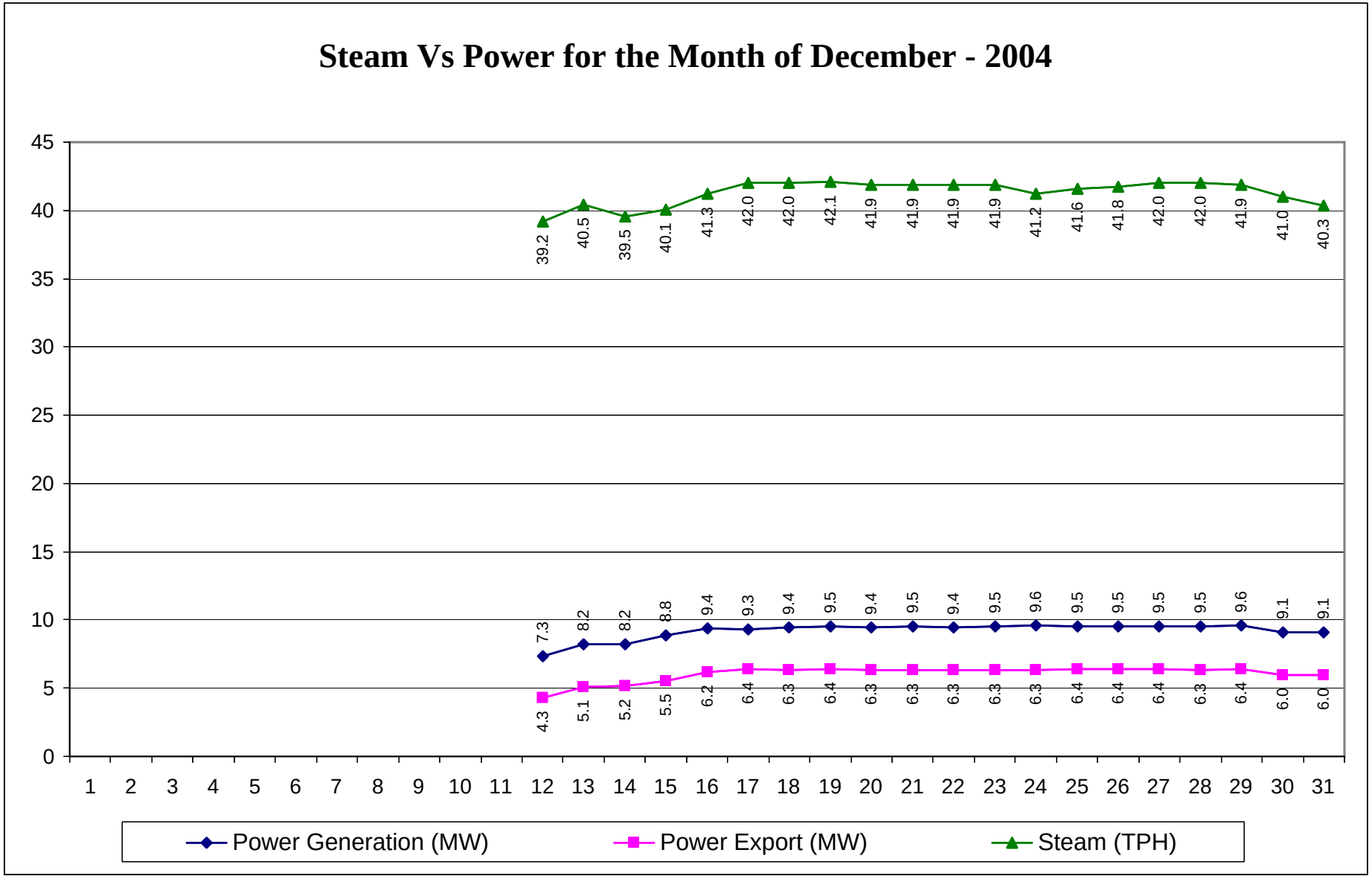


1. STG synchronised on 09.11.04 at 3.25 P.M and stopped on 26.11.04 at 6.00 A.M

December - 2004

Steam Flow (TPH)	**Power Gen.** (MW)	**Power Export** (MW)	**Date**
			1
			2
			3
			4
			5
			6
			7
			8
			9
			10
			11
39.2	7.3	4.3	12
40.5	8.2	5.1	13
39.5	8.2	5.2	14
40.1	8.8	5.5	15
41.3	9.4	6.2	16
42.0	9.3	6.4	17
42.0	9.4	6.3	18
42.1	9.5	6.4	19
41.9	9.4	6.3	20
41.9	9.5	6.3	21
41.9	9.4	6.3	22
41.9	9.5	6.3	23
41.2	9.6	6.3	24
41.6	9.5	6.4	25
41.8	9.5	6.4	26
42.0	9.5	6.4	27
42.0	9.5	6.3	28
41.9	9.6	6.4	29
41.0	9.1	6.0	30
40.3	9.1	6.0	31

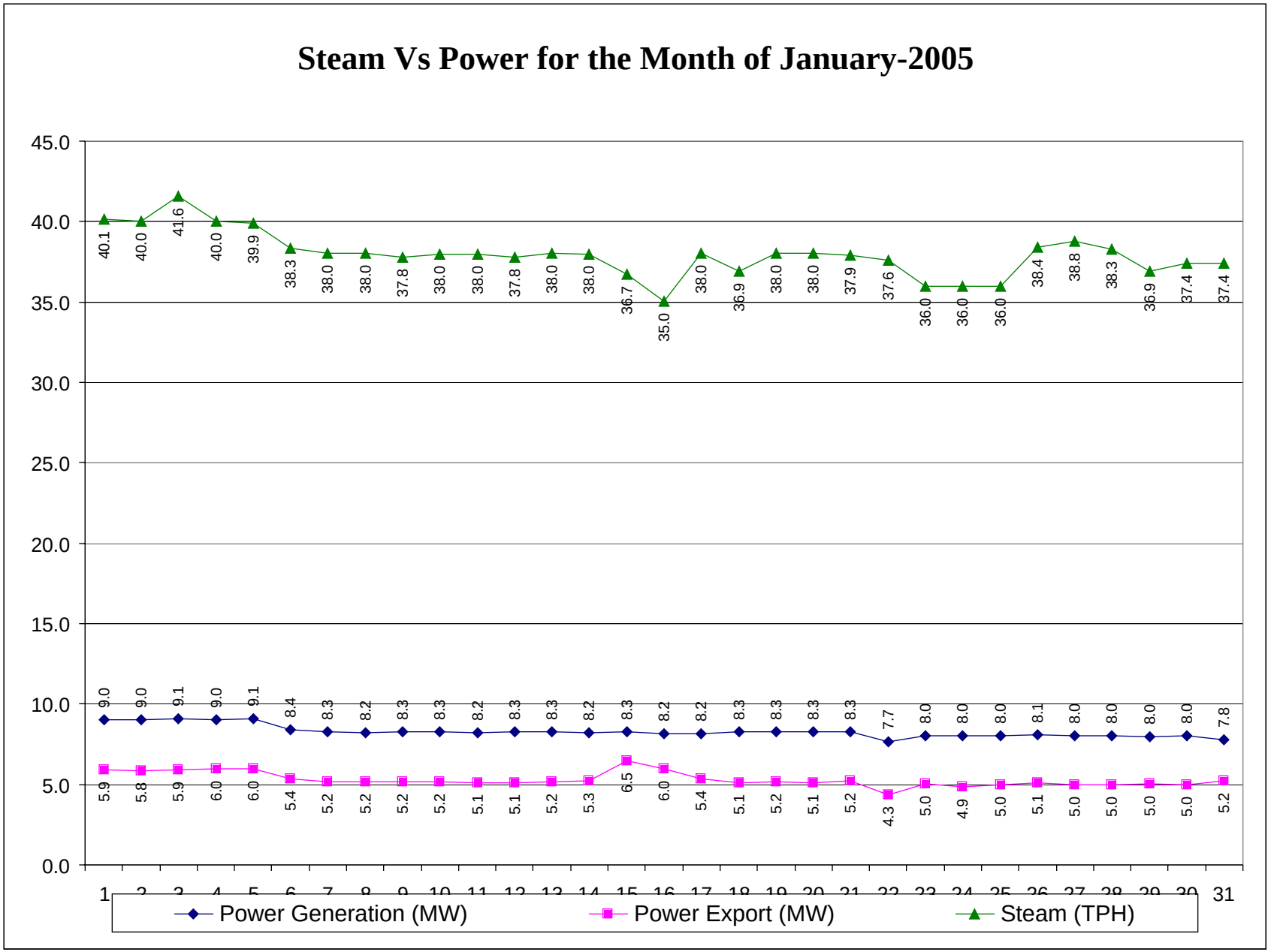
GANPATI SUGAR INDUSTIRES LIMITED
15 M.W. CO-GEN PLANT



1. STG synchronised on 12.12.04 at 10.50 A.M

January - 2005			
Steam	**Power**	**Power**	
Flow	**Gen.**	**Export**	**Date**
(TPH)	(MW)	(MW)	
40.1	9.0	5.9	1
40.0	9.0	5.8	2
41.6	9.1	5.9	3
40.0	9.0	6.0	4
39.9	9.1	6.0	5
38.3	8.4	5.4	6
38.0	8.3	5.2	7
38.0	8.2	5.2	8
37.8	8.3	5.2	9
38.0	8.3	5.2	10
38.0	8.2	5.1	11
37.8	8.3	5.1	12
38.0	8.3	5.2	13
38.0	8.2	5.3	14
36.7	8.3	6.5	15
35.0	8.2	6.0	16
38.0	8.2	5.4	17
36.9	8.3	5.1	18
38.0	8.3	5.2	19
38.0	8.3	5.1	20
37.9	8.3	5.2	21
37.6	7.7	4.3	22
36.0	8.0	5.0	23
36.0	8.0	4.9	24
36.0	8.0	5.0	25
38.4	8.1	5.1	26
38.8	8.0	5.0	27
38.3	8.0	5.0	28
36.9	8.0	5.0	29
37.4	8.0	5.0	30
37.4	7.8	5.2	31

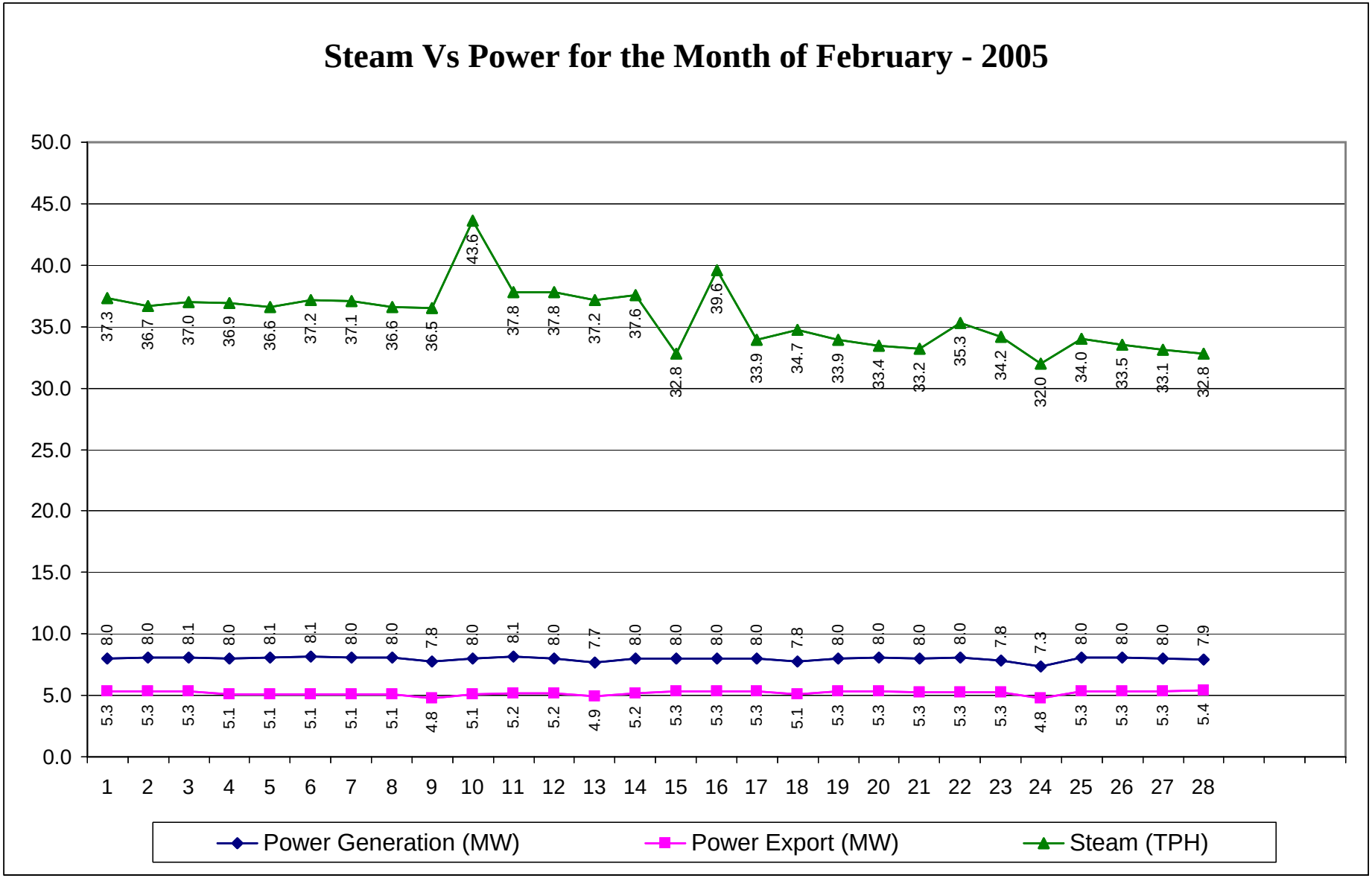
GANPATI SUGAR INDUSTIRES LIMITED.
15 M.W. CO-GEN PLANT



February - 2005

Steam Flow (TPH)	**Power Gen.** (MW)	**Power Export** (MW)	**Date**
37.3	8.0	5.3	1
36.7	8.0	5.3	2
37.0	8.1	5.3	3
36.9	8.0	5.1	4
36.6	8.1	5.1	5
37.2	8.1	5.1	6
37.1	8.0	5.1	7
36.6	8.0	5.1	8
36.5	7.8	4.8	9
43.6	8.0	5.1	10
37.8	8.1	5.2	11
37.8	8.0	5.2	12
37.2	7.7	4.9	13
37.6	8.0	5.2	14
32.8	8.0	5.3	15
39.6	8.0	5.3	16
33.9	8.0	5.3	17
34.7	7.8	5.1	18
33.9	8.0	5.3	19
33.4	8.0	5.3	20
33.2	8.0	5.3	21
35.3	8.0	5.3	22
34.2	7.8	5.3	23
32.0	7.3	4.8	24
34.0	8.0	5.3	25
33.5	8.0	5.3	26
33.1	8.0	5.3	27
32.8	7.9	5.4	28

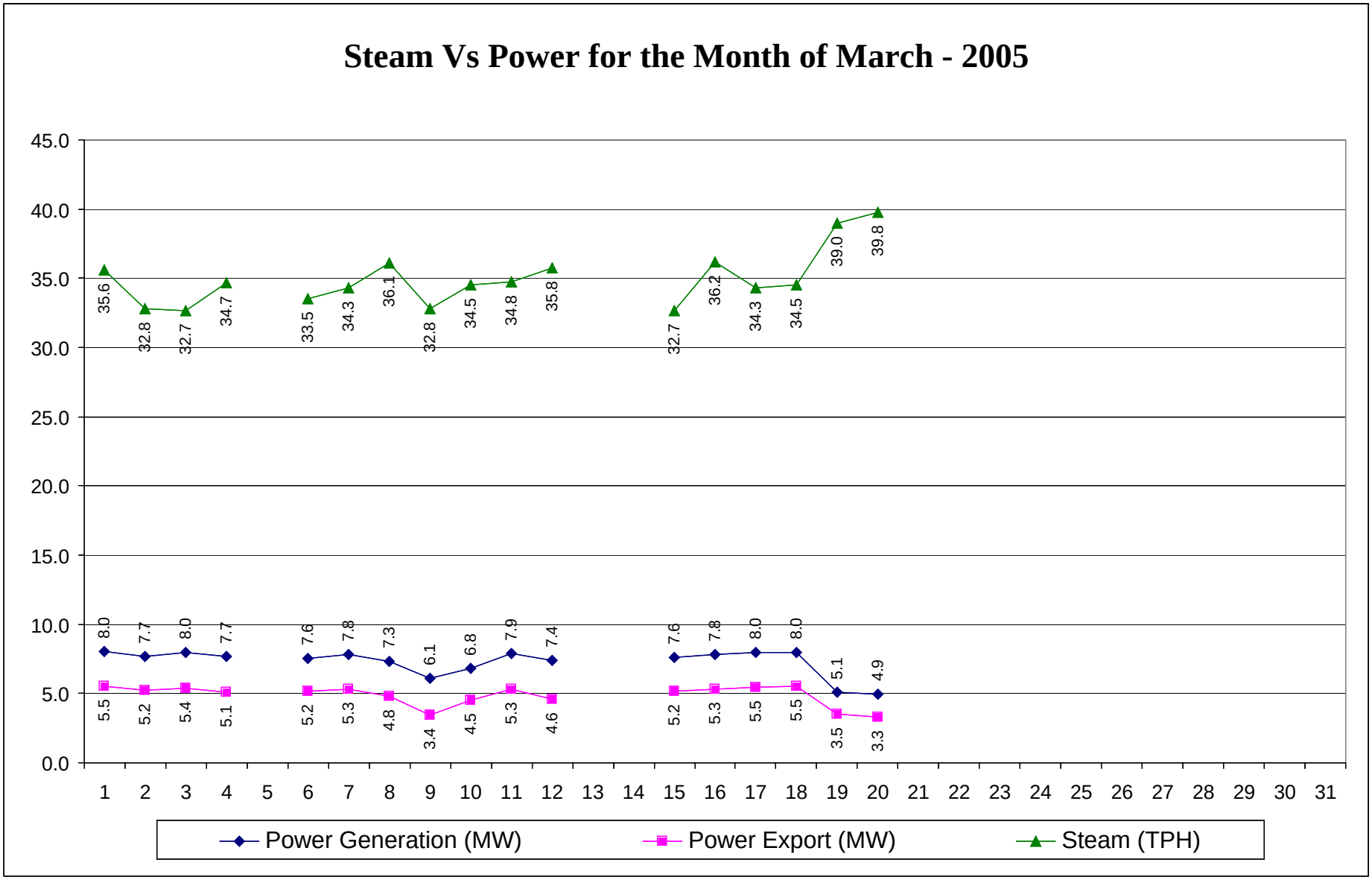
GANPATI SUGAR INDUSTIRES LIMITED
15 M.W. CO-GEN PLANT



March - 2005

Steam Flow (TPH)	**Power Gen.** (MW)	**Power Export** (MW)	**Date**
35.6	8.0	5.5	1
32.8	7.7	5.2	2
32.7	8.0	5.4	3
34.7	7.7	5.1	4
			5
33.5	7.6	5.2	6
34.3	7.8	5.3	7
36.1	7.3	4.8	8
32.8	6.1	3.4	9
34.5	6.8	4.5	10
34.8	7.9	5.3	11
35.8	7.4	4.6	12
			13
			14
32.7	7.6	5.2	15
36.2	7.8	5.3	16
34.3	8.0	5.5	17
34.5	8.0	5.5	18
39.0	5.1	3.5	19
39.8	4.9	3.3	20
			21
			22
			23
			24
			25
			26
			27
			28
			29
			30
			31

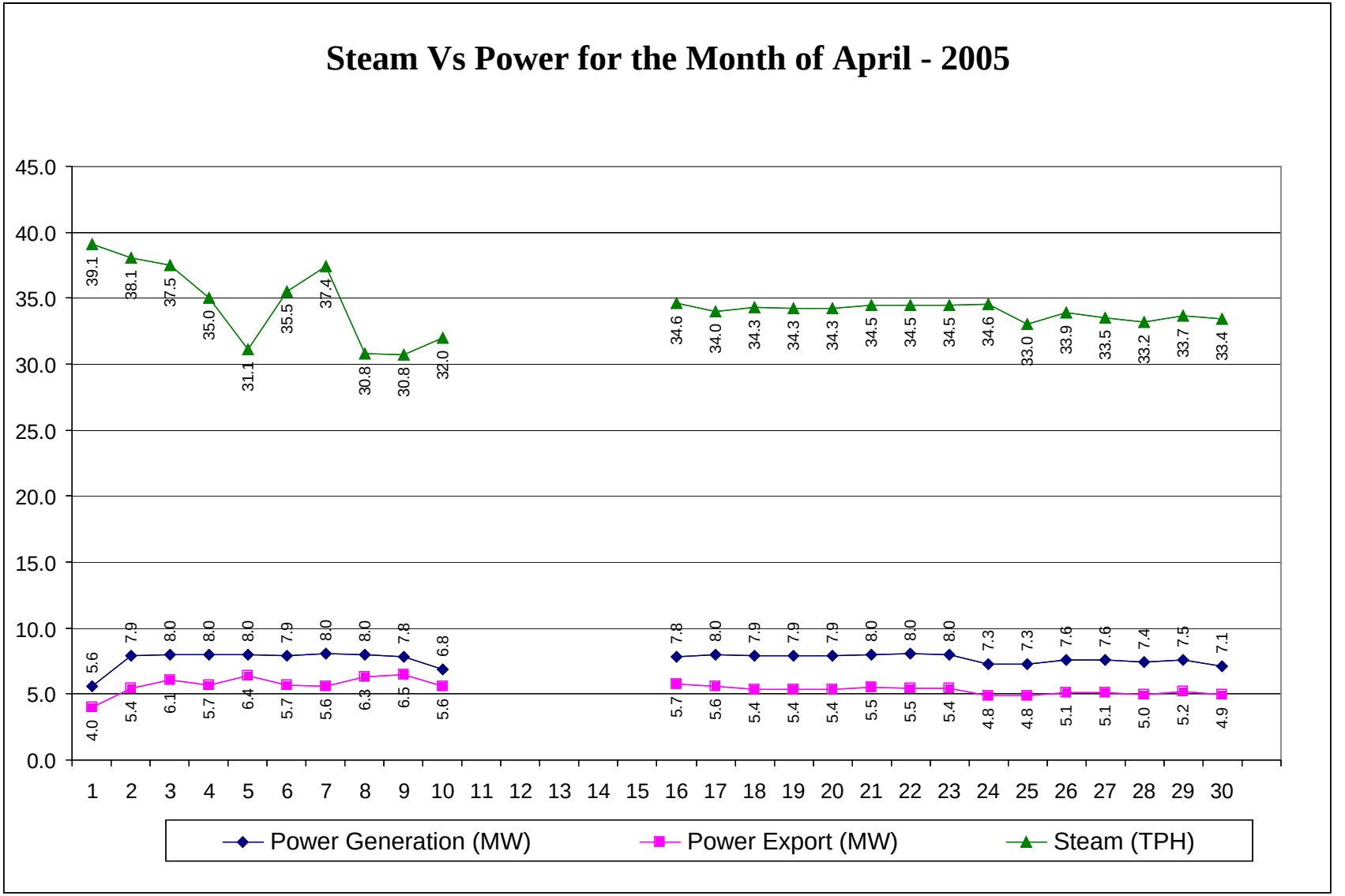
GANPATI SUGAR INDUSTIRES LIMITED
15 M.W. CO-GEN PLANT



1. STG stopped on 04.03.05 at 10.47 P.M and synchronised on 06.03.05
2. STG stopped on 12.03.05 at 3.45 P.M and synchronised on 15.03.05 at 10.05 A.M

April - 2005		
Steam Flow (TPH)	**Power Export** (MW)	**Date**
39.1	4.0	1
38.1	5.4	2
37.5	6.1	3
35.0	5.7	4
31.1	6.4	5
35.5	5.7	6
37.4	5.6	7
30.8	6.3	8
30.8	6.5	9
32.0	5.6	10
		11
		12
		13
		14
		15
34.6	5.7	16
34.0	5.6	17
34.3	5.4	18
34.3	5.4	19
34.3	5.4	20
34.5	5.5	21
34.5	5.5	22
34.5	5.4	23
34.6	4.8	24
33.0	4.8	25
33.9	5.1	26
33.5	5.1	27
33.2	5.0	28
33.7	5.2	29
33.4	4.9	30

GANPATI SUGAR INDUSTIRES LIMITED.
15 M.W. CO-GEN PLANT



1. STG stopped on 10.04.05 and synchronised on 16.04.05 at 11.15 A.M
2. STG stopped on 30.04.05 at 9.30 P.M