



X-Force

Availability Based Tariff



X-Force Availability Base Tariff provides a platform to capture real-time Power generation data, to show its block wise calculations, to represent generation schedules data and to monitor earning with separate calculations as per the required format of power Generation Company. ABT concerns itself with the tariff structure for bulk power and is aimed at bringing about more responsibility and accountability in power generation and consumption through a scheme of incentives and disincentives.

Benefits of XABT

- Software that is comprehensive to do calculations, address regulatory issues and modifications as per different Regulatory Commission requirements.
- X-Force ABT brings about enhanced grid discipline and economically viable power with right pricing.
- Software helps you to addressing specific grid disturbance issues with help of customized report facility.
- Interface options to various stakeholders in the ABT mechanism online to enable effective implementation and benefits to all Capability of power producers to be able to control their cost of production as well as flexibility in operations.

Features

- Block to Block analysis screens for your power generation data analytics.
- Connect with Modbus, IEC, Ethernet or OPCs.
- Configuration of fuels data, combine cycle, fuel cost with applicable date & time.
- Calculation of Heat Rate, forecast of cut off frequencies and target generation.
- Displays all required ABT parameters in real-time at Control Room i.e. "Ex-bus generation", "Net gain" and break-ups of generation on Gas/Liquid fuels.
- Display of Target Generation to assist decisions.
- Generates audio/visual alarms for operator.

JSW Energy KARCHAM WANGTOO HYDRO ELECTRIC PROJECT (4x250 MW) ABT DETAIL DASHBOARD

Date		Time	
21-May-2016		18:49:48	
Parameter	Current Block	Previous Block	Parameter
Block No	76	75	EXP/SG %
Block Time	18:45-19:00	18:30-18:45	SG MWh
SG MW/MWh	1088.98/272.24	1088.98/272.24	Exp MWh
Avg Exp MW/MWh	1109.07/277.27	1095.97/273.99	Over Inj MWh
Avg Freq Hz	49.94	49.97	Over Inj Rs
EXP/SG %	101.84	100.64	Dev. Cap Rs
Dev. MW/MWh	20.09/5.02	6.99/1.75	Diff Dev Cap Rs
Dev. Rate Rs	3.24	2.4	Over Inj. Rate Rs
Dev. In Rs	16266.11	4203.65	Under Inj MWh
Addl. Dev. In Rs	0.00	0	Under Inj Rs
Dev. Cap Rs	16266.10	4203.65	Addl. Dev. In Rs
Diff Dev Cap Rs	0.00	0	Under Inj. Rate Rs
Total Dev. In Rs	16266.11	4203.65	Dev. MWh
			Dev. Rs
			Dev. Rate Rs
			Total Dev. In Rs

JSW Energy KARCHAM WANGTOO HYDRO ELECTRIC PROJECT (4x250 MW) ABT MAIN DASHBOARD

Block No	DC(MW)	SG(MW)	SG(MWh)	Rev No.	Inst. HZ	Date	Time
76	1089.00	1088.98	272.24	0	50.05	21-May-2016	18:49:45
Current Block							
Inst. Exp MW		1093.60		Time Left		10:17	
Avg Exp MW		1109.24		Exp MWh		87.20	
Avg Freq. Hz		49.94		SG MWh		85.61	
Suggested MW/MWh		1079.69/269.92		Block Dev. MWh		1.59	
Target MWh (SG)		-185.04		Dev. Rate(Rs)		3.24	
Predicted MWh		277.31		Dev. in Rs		5151.60	
Predicted MWh in %		101.86					
Previous Block				Cumm. Data(Since 00:00 Hrs)		Decision Aspect Block	
Avg Exp MW/MWh		1095.97/273.99		Exp MWh		20129.62	
Avg Freq. Hz		49.97		SG MWh		20104.4	
Block Dev. MWh		1.75		Dev. MWh		25.22	
Dev. Rate(Rs)		2.4		88% SG		958.3	
Dev. in Rs		4203.65					
Actual Generation							
Unit-1		Unit-2		Unit-3		Unit-4	
Unit-1		Unit-2		Unit-3		Unit-4	
Export							
Abdullapur-1	Abdullapur-2	Baspa-1	Baspa-2	Jhakri-1	Jhakri-1	Total	
565.76	565.90	-150.16	-151.15	131.52	131.74	1093.61	

Our Customers



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