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INTEREST RATE AND CURRENCY DERIVATIVES

DAILY MTM REPORT

DAILY SUMMARY FOR: 27/11/2018

Contract Details	Strike	Call / Put	MTM Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
Derivatives													
\$ / R	On 28/11/2018	Any day expiry	13.90010	13.90010		13.85170	13.85170		17.94	0.00	2,306,005.60	166	202.00
\$ / R	On 28/11/2018	Any day expiry	14.76	Call	0.05410	0.00005	0.29900	0.00030	0.054	36.07	0.00	0	4,000.00
\$ / R	On 29/11/2018	Any day expiry	13.90010	13.90010		13.85160	13.85160		17.51	0.00	0.00	0	461.00
\$ / R	On 30/11/2018	Any day expiry	13.90010	13.90010		13.85330	13.85330		17.38	0.00	3,426,137.00	247	1,535.00
\$ / R	On 30/11/2018	Any day expiry	13.00	Put	0.34300	0.00034	1.29990	0.00130	0.343	27.27	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	13.80	Put	50.61130	0.05061	81.23810	0.08124	50.611	18.39	0.33	0	1,000.00
\$ / R	On 30/11/2018	Any day expiry	13.85	Put	66.91830	0.06692	101.26770	0.10127	66.918	17.89	0.41	0	600.00
\$ / R	On 30/11/2018	Any day expiry	14.08	Call	33.85660	0.03386	36.86490	0.03686	33.857	19.53	0.24	0	500.00
\$ / R	On 30/11/2018	Any day expiry	14.25	Put	363.21690	0.36322	413.08120	0.41308	363.217	21.57	0.90	0	421.00
\$ / R	On 30/11/2018	Any day expiry	14.30	Call	10.13890	0.01014	12.90020	0.01290	10.139	22.17	0.08	0	600.00
\$ / R	On 30/11/2018	Any day expiry	14.80	Call	0.72420	0.00072	1.52070	0.00152	0.724	27.69	0.01	0	600.00
\$ / R	On 30/11/2018	Any day expiry	14.82	Call	0.65200	0.00065	1.41490	0.00141	0.652	27.88	0.01	0	250.00
\$ / R	On 30/11/2018	Any day expiry	16.70	Call	0.01510	0.00002	0.02370	0.00002	0.015	53.87	0.00	0	500.00
\$ / R	On 30/11/2018	Any day expiry	17.31	Call	0.10940	0.00011	0.14670	0.00015	0.109	72.37	0.00	0	500.00
\$ / R	On 03/12/2018	Any day expiry	13.90510	13.90510		13.90000	13.90000		15.73	0.00	2,307,400.00	166	166.00
\$ / R	On 05/12/2018	Any day expiry	13.90840	13.90840		13.86150	13.86150		16.22	0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 05/12/2018	Any day expiry	15.45	Put	1,542.16750	1.54217	1,589.23090	1.58923	1,542.168	26.13	1.00	0.00	0	23,000.00
\$ / R	On 06/12/2018	Any day expiry			13.91000	13.91000	13.86320	13.86320		16.42	0.00	0.00	0	0.00
\$ / R	On 06/12/2018	Any day expiry	13.75	Put	81.05260	0.08105	105.93400	0.10593	81.053	17.02	0.33	0.00	0	65,000.00
\$ / R	On 06/12/2018	Any day expiry	13.90	Put	138.04350	0.13804	175.35770	0.17536	138.044	16.42	0.48	0.00	0	30,000.00
\$ / R	On 06/12/2018	Any day expiry	14.30	Put	422.21060	0.42221	471.94390	0.47194	422.211	17.56	0.84	0.00	0	30,000.00
\$ / R	On 06/12/2018	Any day expiry	14.90	Put	993.27670	0.99328	1,041.30760	1.04131	993.277	21.07	0.98	0.00	0	30,000.00
\$ / R	On 06/12/2018	Any day expiry	15.30	Put	1,391.26610	1.39127	1,438.29860	1.43830	1,391.266	24.62	0.99	0.00	0	30,000.00
\$ / R	On 07/12/2018	Any day expiry			13.91170	13.91170	13.86490	13.86490		16.58	0.00	0.00	0	500.00
\$ / R	On 07/12/2018	Any day expiry	13.50	Put	31.94170	0.03194	43.49510	0.04350	31.942	17.71	0.15	0.00	0	25,000.00
\$ / R	On 07/12/2018	Any day expiry	13.75	Put	87.67830	0.08768	112.65540	0.11266	87.678	17.01	0.33	0.00	0	125.00
\$ / R	On 07/12/2018	Any day expiry	14.07	Call	92.01860	0.09202	88.93520	0.08894	92.019	17.19	0.35	0.00	0	125.00
\$ / R	On 07/12/2018	Any day expiry	14.50	Call	18.49260	0.01849	20.80090	0.02080	18.493	18.71	0.09	0.00	0	125.00
\$ / R	On 11/12/2018	Any day expiry			13.91840	13.91840	13.87160	13.87160		16.47	0.00	0.00	0	0.00
\$ / R	On 11/12/2018	Any day expiry	13.65	Put	71.35370	0.07135	93.78180	0.09378	71.354	16.11	0.26	0.00	0	20,000.00
\$ / R	On 11/12/2018	Any day expiry	13.86	Put	149.87660	0.14988	182.03550	0.18204	149.877	16.36	0.44	0.00	0	7,500.00
\$ / R	On 11/12/2018	Any day expiry	15.08	Call	5.74040	0.00574	6.39710	0.00640	5.740	20.97	0.03	0.00	0	7,500.00
\$ / R	On 11/12/2018	Any day expiry	15.69	Call	1.24270	0.00124	1.50090	0.00150	1.243	24.11	0.01	0.00	0	20,000.00
\$ / R	On 12/12/2018	Any day expiry			13.92010	13.92010	13.87320	13.87320		16.64	0.00	0.00	0	3,672.00
\$ / R	On 14/12/2018	Foreign Exchange Future			13.92340	13.92340	13.87660	13.87660		16.74	0.00	809,172,314.40	58,116	777,011.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.64	Put	0.00140	0.00000	0.17080	0.00017	0.001	19.67	0.00	0.00	0	2,764.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.75	Put	0.00520	0.00001	0.25140	0.00025	0.005	19.97	0.00	0.00	0	228,616.00
\$ / R	On 14/12/2018	Foreign Exchange Future	11.90	Put	0.02490	0.00002	0.42460	0.00042	0.025	20.38	0.00	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.00	Put	0.06410	0.00006	0.60060	0.00060	0.064	20.66	0.00	0.00	0	174,530.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.02	Put	0.07660	0.00008	0.64360	0.00064	0.077	20.71	0.00	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.10	Put	0.15230	0.00015	0.84800	0.00085	0.152	20.93	0.00	0.00	0	8,580.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.20	Put	0.33700	0.00034	1.19470	0.00119	0.337	21.20	0.00	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.25	Put	0.48900	0.00049	1.41690	0.00142	0.489	21.34	0.00	0.00	0	3,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.38	Put	1.19780	0.00120	2.20110	0.00220	1.198	21.70	0.01	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Put	2.51620	0.00252	3.29180	0.00329	2.516	22.03	0.01	0.00	0	26,400.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.50	Call	1,425.91620	1.42592	1,379.89180	1.37989	1,425.916	22.03	0.99	0.00	0	228,616.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.63	Put	3.15620	0.00316	4.29240	0.00429	3.156	20.81	0.01	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.68	Put	3.45550	0.00346	4.76940	0.00477	3.456	20.34	0.02	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.75	Put	3.93840	0.00394	5.54690	0.00555	3.938	19.68	0.02	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	12.95	Put	5.88920	0.00589	8.74710	0.00875	5.889	17.79	0.03	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Put	6.56100	0.00656	9.86150	0.00986	6.561	17.32	0.03	0.00	0	89,580.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.00	Call	929.96100	0.92996	886.46150	0.88646	929.961	17.32	0.97	0.00	0	6,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.05	Put	7.33370	0.00733	11.14610	0.01115	7.334	16.85	0.04	0.00	0	1,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.10	Put	8.22580	0.00823	12.63140	0.01263	8.226	16.38	0.04	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.20	Call	733.88680	0.73389	692.98290	0.69298	733.887	15.45	0.95	0.00	0	7,100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.22	Put	11.80110	0.01180	18.24290	0.01824	11.801	15.48	0.06	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Put	14.01990	0.01402	21.34020	0.02134	14.020	15.54	0.07	0.00	0	17,800.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.25	Call	687.41990	0.68742	647.94020	0.64794	687.420	15.54	0.93	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.32	Put	20.50730	0.02051	30.15270	0.03015	20.507	15.67	0.09	0.00	0	13,650.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.33	Put	21.60020	0.02160	31.60890	0.03161	21.600	15.69	0.10	0.00	0	135,000.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 14/12/2018	Foreign Exchange Future	13.45	Call	511.97530		0.51198		480.07460	0.48007	511.975	15.91	0.85	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.45	Put	38.57530		0.03858		53.47460	0.05347	38.575	15.91	0.15	0.00	0	4,080.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Put	48.03780		0.04804		65.22330	0.06522	48.038	16.00	0.18	0.00	0	29,800.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.50	Call	471.43780		0.47144		441.82330	0.44182	471.438	16.00	0.82	0.00	0	228,616.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.60	Put	71.88580		0.07189		93.92670	0.09393	71.886	16.18	0.25	0.00	0	68,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.68	Put	96.16410		0.09616		122.20760	0.12221	96.164	16.33	0.30	0.00	0	13,150.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.70	Put	103.00130		0.10300		130.04230	0.13004	103.001	16.37	0.32	0.00	0	7,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.75	Put	121.47760		0.12148		150.98250	0.15098	121.478	16.46	0.36	0.00	0	700.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.79	Put	137.70360		0.13770		169.13170	0.16913	137.704	16.54	0.39	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.80	Put	141.96120		0.14196		173.86260	0.17386	141.961	16.55	0.39	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.80	Call	265.36120		0.26536		250.46260	0.25046	265.361	16.55	0.61	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.90	Put	189.00500		0.18901		225.37300	0.22537	189.005	16.74	0.47	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	13.95	Call	190.03970		0.19004		181.40270	0.18140	190.040	16.92	0.49	0.00	0	39,589.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.00	Put	246.21070		0.24621		285.99910	0.28600	246.211	17.11	0.55	76,885,604.80	10,000	53,250.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.00	Call	169.61070		0.16961		162.59910	0.16260	169.611	17.11	0.45	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.10	Put	310.79540		0.31080		353.32020	0.35332	310.795	17.48	0.62	0.00	0	1,867.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.12	Put	324.52640		0.32453		367.51930	0.36752	324.526	17.55	0.64	0.00	0	4,372.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.13	Call	124.88810		0.12489		121.30600	0.12131	124.888	17.59	0.36	0.00	0	20,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.15	Put	345.59930		0.34560		389.24600	0.38925	345.599	17.66	0.66	0.00	0	115,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.16	Put	352.74800		0.35275		396.59990	0.39660	352.748	17.70	0.66	0.00	0	36,200.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.20	Call	105.33150		0.10533		103.14630	0.10315	105.331	17.85	0.31	0.00	0	51,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.20	Put	381.93150		0.38193		426.54630	0.42655	381.932	17.85	0.69	0.00	0	13,650.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.24	Put	412.02080		0.41202		457.30460	0.45730	412.021	17.99	0.71	0.00	0	24,570.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.25	Call	93.07740		0.09308		91.71590	0.09172	93.077	18.03	0.28	0.00	0	51,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.30	Put	458.72380		0.45872		504.85480	0.50485	458.724	18.22	0.75	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.33	Put	482.73010		0.48273		529.21810	0.52922	482.730	18.33	0.76	0.00	0	31,047.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.33	Call	76.13010		0.07613		75.81810	0.07582	76.130	18.33	0.24	0.00	0	100.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.35	Put	498.96000		0.49896		545.66460	0.54566	498.960	18.40	0.77	0.00	0	4,428.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.35	Call	72.36000		0.07236		72.26460	0.07226	72.360	18.40	0.23	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.39	Put	531.93390		0.53193		579.02050	0.57902	531.934	18.55	0.79	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.40	Call	63.67930		0.06368		64.05120	0.06405	63.679	18.59	0.21	0.00	0	100,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.44	Call	57.44580		0.05745		58.12370	0.05812	57.446	18.73	0.19	0.00	0	11,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.50	Call	49.16450		0.04916		50.20170	0.05020	49.164	18.95	0.17	0.00	0	13,700.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.50	Put	625.76450		0.62576		673.60170	0.67360	625.764	18.95	0.83	0.00	0	15,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.51	Put	634.49950		0.63450		682.38680	0.68239	634.499	18.99	0.84	0.00	0	3,388.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.60	Put	714.43540		0.71444		762.65470	0.76265	714.435	19.32	0.87	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.60	Call	37.83540		0.03784		39.25470	0.03925	37.835	19.32	0.13	0.00	0	81,900.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.61	Call	36.81350		0.03681		38.23850	0.03824	36.813	19.35	0.13	0.00	0	1,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.62	Call	35.81520		0.03582		37.24320	0.03724	35.815	19.38	0.13	0.00	0	5,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.67	Put	777.79530		0.77780		826.01940	0.82602	777.795	19.54	0.89	0.00	0	3,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.70	Call	28.70130		0.02870		30.10960	0.03011	28.701	19.63	0.10	0.00	0	70,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.74	Put	842.26950		0.84227		890.44650	0.89045	842.269	19.75	0.91	0.00	0	13,150.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.75	Put	851.56080		0.85156		899.72820	0.89973	851.561	19.78	0.91	0.00	0	700.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.75	Call	24.96080		0.02496		26.32820	0.02633	24.961	19.78	0.09	0.00	0	127,100.00

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\$ / R	On 14/12/2018	Foreign Exchange Future	14.80	Put	898.29010	0.89829	946.40000	0.94640	898.290	19.93	0.92	0.00	0	135,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.80	Call	21.69010	0.02169	23.00000	0.02300	21.690	19.93	0.08	0.00	0	400.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.82	Call	20.50140	0.02050	21.78470	0.02178	20.501	19.99	0.08	0.00	0	250.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.84	Call	19.37530	0.01938	20.63100	0.02063	19.375	20.05	0.07	0.00	0	1,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.85	Call	18.83500	0.01884	20.07590	0.02008	18.835	20.08	0.07	0.00	0	50,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	14.90	Put	992.94530	0.99295	1,040.91080	1.04091	992.945	20.24	0.94	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.00	Put	1,088.89220	1.08889	1,136.69600	1.13670	1,088.892	20.54	0.95	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.00	Call	12.29220	0.01229	13.29600	0.01330	12.292	20.54	0.05	0.00	0	101,333.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.01	Call	11.94580	0.01195	12.93330	0.01293	11.946	20.57	0.05	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.09	Call	9.50040	0.00950	10.35950	0.01036	9.500	20.81	0.04	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.10	Call	9.23190	0.00923	10.07540	0.01008	9.232	20.84	0.04	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.15	Call	7.99810	0.00800	8.76550	0.00877	7.998	21.00	0.03	0.00	0	27,030.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.20	Call	6.92860	0.00693	7.62390	0.00762	6.929	21.15	0.03	0.00	0	50.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.20	Put	1,283.52860	1.28353	1,331.02390	1.33102	1,283.529	21.15	0.97	0.00	0	50.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.25	Put	1,332.60230	1.33260	1,380.02940	1.38003	1,332.602	21.30	0.97	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.30	Put	1,381.80070	1.38180	1,429.16460	1.42916	1,381.801	21.45	0.98	0.00	0	35,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.37	Call	4.43740	0.00444	4.94390	0.00494	4.437	21.80	0.02	0.00	0	4,372.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.46	Call	3.63520	0.00364	4.07480	0.00407	3.635	22.24	0.02	0.00	0	1,867.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.48	Call	3.48010	0.00348	3.90590	0.00391	3.480	22.34	0.01	0.00	0	29,600.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.50	Put	1,579.93260	1.57993	1,627.14490	1.62714	1,579.933	22.44	0.99	0.00	0	600.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.50	Call	3.33260	0.00333	3.74490	0.00374	3.333	22.44	0.01	0.00	0	5,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.51	Call	3.26140	0.00326	3.66720	0.00367	3.261	22.49	0.01	0.00	0	24,570.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.59	Call	2.75130	0.00275	3.10780	0.00311	2.751	22.89	0.01	0.00	0	31,047.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.60	Call	2.69410	0.00269	3.04500	0.00305	2.694	22.94	0.01	0.00	0	500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.61	Call	2.63840	0.00264	2.98360	0.00298	2.638	22.99	0.01	0.00	0	4,428.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.70	Call	2.19250	0.00219	2.49050	0.00249	2.193	23.43	0.01	0.00	0	7,500.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.73	Call	2.06390	0.00206	2.34750	0.00235	2.064	23.58	0.01	0.00	0	135,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.84	Put	1,918.26160	1.91826	1,965.29850	1.96530	1,918.262	24.12	0.99	0.00	0	2,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.85	Call	1.62990	0.00163	1.86290	0.00186	1.630	24.17	0.01	0.00	0	20,300.00
\$ / R	On 14/12/2018	Foreign Exchange Future	15.91	Call	1.45350	0.00145	1.66480	0.00166	1.453	24.47	0.01	0.00	0	1,406.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.00	Call	1.22950	0.00123	1.41210	0.00141	1.230	24.91	0.01	0.00	0	5,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.11	Call	1.00920	0.00101	1.16220	0.00116	1.009	25.46	0.00	0.00	0	38,250.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.14	Call	0.95760	0.00096	1.10340	0.00110	0.958	25.61	0.00	0.00	0	10,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.20	Call	0.86360	0.00086	0.99610	0.00100	0.864	25.90	0.00	0.00	0	2,000.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.24	Call	0.80710	0.00081	0.93150	0.00093	0.807	26.10	0.00	0.00	0	750.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.56	Call	0.48640	0.00049	0.56260	0.00056	0.486	27.68	0.00	0.00	0	13,650.00
\$ / R	On 14/12/2018	Foreign Exchange Future	16.80	Call	0.37890	0.00038	0.44690	0.00045	0.379	29.10	0.00	0.00	0	13,150.00
\$ / R	On 14/12/2018	Foreign Exchange Future	17.00	Call	0.34930	0.00035	0.42790	0.00043	0.349	30.54	0.00	0.00	0	3,700.00
\$ / R	On 20/12/2018	Any day expiry			13.93340	13.93340	13.88660	13.88660		16.88	0.00	0.00	0	0.00
\$ / R	On 20/12/2018	Any day expiry	13.90	Put	217.90060	0.21790	253.68290	0.25368	217.901	16.81	0.47	0.00	0	35,000.00
\$ / R	On 20/12/2018	Any day expiry	13.98	Put	261.41500	0.26142	300.96040	0.30096	261.415	16.99	0.52	0.00	0	18,000.00
\$ / R	On 20/12/2018	Any day expiry	14.30	Put	479.60190	0.47960	525.59450	0.52559	479.602	18.08	0.71	0.00	0	35,000.00
\$ / R	On 20/12/2018	Any day expiry	14.90	Put	996.37200	0.99637	1,045.26130	1.04526	996.372	19.88	0.91	0.00	0	35,000.00
\$ / R	On 20/12/2018	Any day expiry	15.30	Put	1,377.82240	1.37782	1,426.45130	1.42645	1,377.822	20.84	0.96	0.00	0	35,000.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R			On 21/12/2018	Any day expiry										
					13.93510	13.93510	13.88830	13.88830		16.96	0.00	0.00	0	0.00
\$ / R	13.20	Put	On 21/12/2018	Any day expiry	25.53140	0.02553	33.67480	0.03367	25.531	16.22	0.09	0.00	0	1,000.00
\$ / R	13.30	Put	On 21/12/2018	Any day expiry	35.66230	0.03566	49.12360	0.04912	35.662	16.01	0.12	0.00	0	1,000.00
\$ / R	14.66	Call	On 21/12/2018	Any day expiry	56.57290	0.05657	58.08960	0.05809	56.573	19.34	0.16	0.00	0	1,000.00
\$ / R	14.75	Call	On 21/12/2018	Any day expiry	46.29280	0.04629	48.15070	0.04815	46.293	19.57	0.13	0.00	0	1,000.00
\$ / R			On 31/12/2018	Any day expiry	13.95180	13.95180	13.90500	13.90500		16.64	0.00	10,868,600.00	780	1,760.00
\$ / R	13.00	Put	On 31/12/2018	Any day expiry	23.97570	0.02398	30.11930	0.03012	23.976	16.38	0.08	0.00	0	500.00
\$ / R	13.80	Put	On 31/12/2018	Any day expiry	208.66910	0.20867	240.11960	0.24012	208.669	16.46	0.40	0.00	0	1,000.00
\$ / R	14.22	Call	On 31/12/2018	Any day expiry	184.24400	0.18424	180.48910	0.18049	184.244	17.46	0.37	0.00	0	500.00
\$ / R	14.25	Put	On 31/12/2018	Any day expiry	473.59640	0.47360	517.11170	0.51711	473.596	17.55	0.64	0.00	0	250.00
\$ / R	14.96	Put	On 31/12/2018	Any day expiry	1,060.26850	1.06027	1,108.54090	1.10854	1,060.269	19.62	0.87	0.00	0	250.00
\$ / R	16.93	Call	On 31/12/2018	Any day expiry	1.52180	0.00152	1.80130	0.00180	1.522	24.14	0.00	0.00	0	500.00
\$ / R	17.58	Call	On 31/12/2018	Any day expiry	1.49160	0.00149	1.69890	0.00170	1.492	28.19	0.00	0.00	0	500.00
\$ / R			On 02/01/2019	Any day expiry	13.95510	13.95510	13.90830	13.90830		16.63	0.00	0.00	0	55.00
\$ / R			On 03/01/2019	Any day expiry	13.95680	13.95680	13.91000	13.91000		16.65	0.00	0.00	0	0.00
\$ / R	13.57	Put	On 03/01/2019	Any day expiry	130.46780	0.13047	154.24480	0.15424	130.468	16.18	0.28	0.00	0	600.00
\$ / R	13.93	Call	On 03/01/2019	Any day expiry	308.02730	0.30803	296.86670	0.29687	308.027	16.63	0.53	0.00	0	600.00
\$ / R	14.35	Call	On 03/01/2019	Any day expiry	161.71420	0.16171	159.06690	0.15907	161.714	17.84	0.32	0.00	0	600.00
\$ / R			On 07/01/2019	Any day expiry	13.96350	13.96350	13.91670	13.91670		16.54	0.00	0.00	0	0.00
\$ / R	13.64	Put	On 07/01/2019	Any day expiry	163.77950	0.16378	189.89540	0.18990	163.780	16.15	0.32	0.00	0	250.00
\$ / R	14.12	Call	On 07/01/2019	Any day expiry	247.51410	0.24751	240.24270	0.24024	247.514	17.03	0.43	0.00	0	250.00
\$ / R	14.65	Call	On 07/01/2019	Any day expiry	112.43300	0.11243	111.77470	0.11177	112.433	18.56	0.23	0.00	0	250.00
\$ / R			On 15/01/2019	Any day expiry	13.97680	13.97680	13.93020	13.93020		16.68	0.00	0.00	0	150.00
\$ / R			On 16/01/2019	Any day expiry	13.97850	13.97850	13.93190	13.93190		16.71	0.00	167,214.00	12	20.00
\$ / R			On 18/01/2019	Any day expiry	13.98180	13.98180	13.93520	13.93520		16.75	0.00	0.00	0	0.00
\$ / R	12.66	Put	On 18/01/2019	Any day expiry	12.48230	0.01248	15.98760	0.01599	12.482	15.10	0.04	0.00	0	263.00
\$ / R			On 25/01/2019	Any day expiry	13.99350	13.99350	13.94700	13.94700		16.69	0.00	0.00	0	51.00
\$ / R			On 30/01/2019	Any day expiry	14.00190	14.00190	13.95540	13.95540		16.68	0.00	0.00	0	55.00
\$ / R			On 31/01/2019	Any day expiry	14.00360	14.00360	13.95710	13.95710		16.71	0.00	5,321,520.00	380	1,776.00
\$ / R	13.00	Put	On 31/01/2019	Any day expiry	56.18810	0.05619	67.08670	0.06709	56.188	15.49	0.12	0.00	0	500.00
\$ / R	14.20	Put	On 31/01/2019	Any day expiry	513.96350	0.51396	551.97290	0.55197	513.963	17.20	0.56	0.00	0	250.00
\$ / R	14.25	Put	On 31/01/2019	Any day expiry	546.80850	0.54681	585.54120	0.58554	546.808	17.33	0.58	0.00	0	250.00
\$ / R	14.38	Call	On 31/01/2019	Any day expiry	259.78270	0.25978	253.69660	0.25370	259.783	17.65	0.37	0.00	0	500.00
\$ / R	15.13	Call	On 31/01/2019	Any day expiry	111.11250	0.11111	110.35600	0.11036	111.113	19.47	0.18	0.00	0	250.00
\$ / R	15.47	Call	On 31/01/2019	Any day expiry	75.56130	0.07556	75.44510	0.07545	75.561	20.24	0.13	0.00	0	250.00
\$ / R			On 13/02/2019	Any day expiry	14.02610	14.02610	13.97940	13.97940		16.86	0.00	0.00	0	70.00
\$ / R			On 15/02/2019	Any day expiry	14.02960	14.02960	13.98280	13.98280		16.90	0.00	0.00	0	6.00
\$ / R			On 25/02/2019	Any day expiry	14.04690	14.04690	14.00000	14.00000		16.84	0.00	0.00	0	15.00
\$ / R			On 28/02/2019	Any day expiry	14.05210	14.05210	14.00510	14.00510		16.92	0.00	5,339,760.00	380	5,461.00
\$ / R	13.00	Put	On 28/02/2019	Any day expiry	91.98220	0.09198	104.97820	0.10498	91.982	15.68	0.15	0.00	0	500.00
\$ / R	14.20	Put	On 28/02/2019	Any day expiry	568.04400	0.56804	604.90530	0.60491	568.044	17.25	0.53	0.00	0	250.00
\$ / R	14.25	Put	On 28/02/2019	Any day expiry	599.79570	0.59980	637.31260	0.63731	599.796	17.36	0.55	0.00	0	250.00
\$ / R	14.52	Call	On 28/02/2019	Any day expiry	315.80780	0.31581	309.35010	0.30935	315.808	17.96	0.38	0.00	0	500.00
\$ / R	15.27	Call	On 28/02/2019	Any day expiry	162.71720	0.16272	161.09480	0.16109	162.717	19.63	0.22	0.00	0	250.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 28/02/2019	Any day expiry	15.63	Call	118.59710	0.11860	117.77980	0.11778	118.597	20.37	0.16	0.00	0	250.00
\$ / R	On 05/03/2019	Any day expiry			14.06060	14.06060	14.01360	14.01360		16.95	0.00	0.00	0	80.00
\$ / R	On 18/03/2019	Foreign Exchange Future			14.08280	14.08280	14.03560	14.03560		17.15	0.00	3,548,865.60	252	64,431.00
\$ / R	On 18/03/2019	Foreign Exchange Future	10.33	Put	1.96150	0.00196	2.21220	0.00221	1.962	21.46	0.00	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	11.74	Put	15.12350	0.01512	16.55250	0.01655	15.123	17.68	0.03	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	12.47	Put	45.65660	0.04566	50.72840	0.05073	45.657	16.07	0.08	0.00	0	721.00
\$ / R	On 18/03/2019	Foreign Exchange Future	12.51	Put	48.40510	0.04841	53.79940	0.05380	48.405	15.98	0.08	0.00	0	720.00
\$ / R	On 18/03/2019	Foreign Exchange Future	12.90	Put	94.63820	0.09464	106.75610	0.10676	94.638	15.69	0.15	0.00	0	16,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	12.92	Put	98.25120	0.09825	110.67440	0.11067	98.251	15.71	0.15	0.00	0	139,342.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.00	Put	113.71790	0.11372	127.39880	0.12740	113.718	15.76	0.17	0.00	0	15,434.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.05	Put	124.23850	0.12424	138.72520	0.13873	124.239	15.80	0.18	0.00	0	1,155.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.12	Put	140.10950	0.14011	155.75090	0.15575	140.110	15.85	0.20	0.00	0	138,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.15	Put	147.33130	0.14733	163.47740	0.16348	147.331	15.87	0.20	0.00	0	10,125.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.25	Put	173.28500	0.17328	191.13470	0.19113	173.285	15.94	0.23	0.00	0	224,707.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.33	Put	196.18800	0.19619	215.42470	0.21542	196.188	15.99	0.25	0.00	0	135,043.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.36	Put	205.28000	0.20528	225.26850	0.22527	205.280	16.01	0.26	0.00	0	134,750.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.40	Put	217.83890	0.21784	239.48440	0.23948	217.839	16.04	0.27	0.00	0	2,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.46	Put	239.02460	0.23902	261.81750	0.26182	239.025	16.13	0.29	0.00	0	20,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.50	Put	253.83920	0.25384	277.38100	0.27738	253.839	16.20	0.30	0.00	0	2,550.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.55	Put	273.11680	0.27312	297.58940	0.29759	273.117	16.28	0.32	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.60	Put	293.24600	0.29325	318.63650	0.31864	293.246	16.36	0.33	0.00	0	9,570.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.68	Put	327.21390	0.32721	354.04890	0.35405	327.214	16.48	0.36	0.00	0	14,200.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.70	Put	336.04230	0.33604	363.23440	0.36323	336.042	16.51	0.36	0.00	0	2,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.72	Put	345.00490	0.34500	372.55160	0.37255	345.005	16.55	0.37	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.75	Put	358.70110	0.35870	386.77060	0.38677	358.701	16.59	0.38	0.00	0	17,981.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.79	Put	377.42650	0.37743	406.18980	0.40619	377.427	16.66	0.39	0.00	0	262,812.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.85	Put	406.50770	0.40651	436.28460	0.43628	406.508	16.75	0.41	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.86	Put	411.46710	0.41147	441.41290	0.44141	411.467	16.77	0.41	0.00	0	721.00
\$ / R	On 18/03/2019	Foreign Exchange Future	13.90	Put	431.63850	0.43164	462.24000	0.46224	431.638	16.83	0.43	0.00	0	720.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.00	Put	484.30110	0.48430	516.49750	0.51650	484.301	16.99	0.46	32,134,014.90	5,000	22,406.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.04	Put	506.24980	0.50625	539.05420	0.53905	506.250	17.05	0.47	0.00	0	7,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.20	Call	483.25870	0.48326	471.84040	0.47184	483.259	17.36	0.48	0.00	0	2,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.20	Put	600.45870	0.60046	636.24040	0.63624	600.459	17.36	0.52	0.00	0	2,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.28	Put	650.82750	0.65083	687.60620	0.68761	650.828	17.53	0.54	0.00	0	7,028.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.30	Call	446.49870	0.44650	436.31730	0.43632	446.499	17.57	0.46	0.00	0	250.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.35	Put	696.35140	0.69635	733.94620	0.73395	696.351	17.67	0.56	0.00	0	139,342.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.42	Put	743.16640	0.74317	781.53220	0.78153	743.166	17.82	0.58	0.00	0	2,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.44	Put	756.77280	0.75677	795.34800	0.79535	756.773	17.86	0.58	0.00	0	7,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.45	Put	763.61200	0.76361	802.29510	0.80230	763.612	17.88	0.58	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.48	Call	387.08420	0.38708	378.87000	0.37887	387.084	17.95	0.41	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.50	Call	380.98680	0.38099	372.97380	0.37297	380.987	17.99	0.40	0.00	0	224,707.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.50	Put	798.18680	0.79819	837.37380	0.83737	798.187	17.99	0.60	0.00	0	20,050.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.53	Put	819.21930	0.81922	858.70120	0.85870	819.219	18.05	0.60	0.00	0	108.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.56	Put	840.46410	0.84046	880.22980	0.88023	840.464	18.11	0.61	0.00	0	138,000.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 18/03/2019	Foreign Exchange Future	14.65	Put	905.43420	0.90543	946.00920	0.94601	905.434	18.30	0.63	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.74	Put	972.16950	0.97217	1,013.47950	1.01348	972.169	18.49	0.65	0.00	0	24,326.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.80	Call	300.38400	0.30038	295.00100	0.29500	300.384	18.62	0.33	0.00	0	2,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.81	Put	1,025.22940	1.02523	1,067.12290	1.06712	1,025.229	18.64	0.67	0.00	0	135,043.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.82	Put	1,032.89410	1.03289	1,074.86330	1.07486	1,032.894	18.66	0.67	0.00	0	4,145.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.83	Put	1,040.57800	1.04058	1,082.62210	1.08262	1,040.578	18.68	0.67	0.00	0	10,010.00
\$ / R	On 18/03/2019	Foreign Exchange Future	14.84	Put	1,048.28100	1.04828	1,090.39920	1.09040	1,048.281	18.70	0.68	0.00	0	134,750.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.00	Call	256.81480	0.25681	252.81110	0.25281	256.815	19.04	0.29	0.00	0	1,260.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.04	Put	1,206.13830	1.20614	1,249.57830	1.24958	1,206.138	19.12	0.72	0.00	0	63,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.10	Put	1,254.81060	1.25481	1,298.59150	1.29859	1,254.811	19.25	0.73	0.00	0	1,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.12	Put	1,271.15900	1.27116	1,315.05020	1.31505	1,271.159	19.29	0.73	0.00	0	99,824.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.13	Put	1,279.35610	1.27936	1,323.30150	1.32330	1,279.356	19.32	0.73	0.00	0	7,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.17	Call	225.09680	0.22510	222.05070	0.22205	225.097	19.40	0.26	0.00	0	720.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.19	Put	1,328.85420	1.32885	1,373.11000	1.37311	1,328.854	19.44	0.74	0.00	0	41,300.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.20	Put	1,337.15450	1.33715	1,381.46050	1.38146	1,337.155	19.46	0.74	0.00	0	2,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.22	Call	216.59780	0.21660	213.80240	0.21380	216.598	19.51	0.25	0.00	0	2,785.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.32	Put	1,437.84150	1.43784	1,482.70130	1.48270	1,437.841	19.72	0.76	0.00	0	262,812.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.40	Call	188.81340	0.18881	186.79970	0.18680	188.813	19.89	0.22	0.00	0	2,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.45	Call	181.81810	0.18182	179.98920	0.17999	181.818	19.99	0.22	0.00	0	20,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.46	Call	180.45370	0.18045	178.57650	0.17858	180.454	20.02	0.21	0.00	0	108.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.50	Call	175.11030	0.17511	173.04640	0.17305	175.110	20.10	0.21	0.00	0	224,757.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.52	Call	172.34400	0.17234	170.34760	0.17035	172.344	20.14	0.21	0.00	0	1.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.54	Call	169.62190	0.16962	167.69570	0.16770	169.622	20.17	0.20	0.00	0	721.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.66	Call	154.22070	0.15422	152.68030	0.15268	154.221	20.38	0.19	0.00	0	139,342.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.81	Call	137.04550	0.13705	135.91320	0.13591	137.045	20.64	0.17	0.00	0	10.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.83	Call	134.91620	0.13492	133.83120	0.13383	134.916	20.68	0.17	0.00	0	135,043.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.89	Call	128.74090	0.12874	127.79630	0.12780	128.741	20.78	0.16	0.00	0	4,145.00
\$ / R	On 18/03/2019	Foreign Exchange Future	15.98	Call	120.04840	0.12005	119.29210	0.11929	120.048	20.94	0.15	0.00	0	2,100.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.00	Call	118.20520	0.11821	117.48840	0.11749	118.205	20.98	0.15	0.00	0	1,906.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.13	Call	106.95940	0.10696	106.47100	0.10647	106.959	21.20	0.14	0.00	0	138,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.30	Call	94.00150	0.09400	93.75730	0.09376	94.001	21.50	0.12	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.38	Call	88.51840	0.08852	88.37060	0.08837	88.518	21.64	0.11	0.00	0	134,750.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.58	Call	76.32140	0.07632	76.37050	0.07637	76.321	21.99	0.10	0.00	0	10,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.60	Call	75.21040	0.07521	75.27640	0.07528	75.210	22.03	0.10	0.00	0	50.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.96	Call	58.36310	0.05836	59.08240	0.05908	58.363	22.68	0.08	0.00	0	12,600.00
\$ / R	On 18/03/2019	Foreign Exchange Future	16.97	Call	58.00360	0.05800	58.74180	0.05874	58.004	22.70	0.08	0.00	0	63,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.02	Call	56.24680	0.05625	57.07880	0.05708	56.247	22.81	0.07	0.00	0	262,812.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.08	Call	54.22810	0.05423	55.16640	0.05517	54.228	22.94	0.07	0.00	0	7,028.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.09	Call	53.90140	0.05390	54.85720	0.05486	53.901	22.97	0.07	0.00	0	99,824.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.10	Call	53.57620	0.05358	54.54920	0.05455	53.576	22.99	0.07	0.00	0	2,500.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.23	Call	49.58140	0.04958	50.75650	0.05076	49.581	23.27	0.07	0.00	0	41,300.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.30	Call	47.59210	0.04759	48.86400	0.04886	47.592	23.42	0.06	0.00	0	10,125.00
\$ / R	On 18/03/2019	Foreign Exchange Future	17.50	Call	42.46520	0.04247	43.97540	0.04398	42.465	23.86	0.06	0.00	0	16,000.00
\$ / R	On 18/03/2019	Foreign Exchange Future	18.00	Call	32.55530	0.03256	34.46020	0.03446	32.555	24.95	0.04	0.00	0	14,200.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 18/03/2019	Foreign Exchange Future	18.40	Call	26.16770	0.02617	26.74390	0.02674	26.168	25.72	0.03	0.00	0	7,100.00
\$ / R	On 27/03/2019	Any day expiry			14.09810	14.09810	14.05080	14.05080		17.22	0.00	0.00	0	3,731.00
\$ / R	On 27/03/2019	Any day expiry	14.00	Put	500.57340	0.50057	532.43270	0.53243	500.573	17.07	0.45	0.00	0	65,000.00
\$ / R	On 29/03/2019	Any day expiry			14.10150	14.10150	14.05420	14.05420		17.26	0.00	23,651,060.00	1,680	4,673.00
\$ / R	On 29/03/2019	Any day expiry	13.00	Put	127.52620	0.12753	141.56830	0.14157	127.526	15.86	0.18	0.00	0	500.00
\$ / R	On 29/03/2019	Any day expiry	14.20	Put	620.20010	0.62020	655.36000	0.65536	620.200	17.46	0.51	0.00	0	250.00
\$ / R	On 29/03/2019	Any day expiry	14.25	Put	651.18460	0.65118	686.95860	0.68696	651.185	17.56	0.52	0.00	0	250.00
\$ / R	On 29/03/2019	Any day expiry	14.67	Call	367.68870	0.36769	360.44440	0.36044	367.689	18.40	0.38	0.00	0	500.00
\$ / R	On 29/03/2019	Any day expiry	15.43	Call	211.97850	0.21198	209.51870	0.20952	211.978	19.97	0.24	0.00	0	250.00
\$ / R	On 29/03/2019	Any day expiry	15.79	Call	162.84110	0.16284	161.13710	0.16114	162.841	20.61	0.19	0.00	0	250.00
\$ / R	On 02/04/2019	Any day expiry			14.10830	14.10830	14.06100	14.06100		17.25	0.00	0.00	0	55.00
\$ / R	On 26/04/2019	Any day expiry			14.14920	14.14920	14.10160	14.10160		17.44	0.00	0.00	0	0.00
\$ / R	On 30/04/2019	Any day expiry			14.15600	14.15600	14.10840	14.10840		17.42	0.00	0.00	0	1,280.00
\$ / R	On 30/04/2019	Any day expiry	13.00	Put	162.47790	0.16248	177.35710	0.17736	162.478	15.96	0.19	0.00	0	3,000.00
\$ / R	On 30/04/2019	Any day expiry	13.49	Call	978.45190	0.97845	954.08240	0.95408	978.452	16.38	0.69	0.00	0	2,500.00
\$ / R	On 30/04/2019	Any day expiry	14.20	Put	665.20770	0.66521	699.07200	0.69907	665.208	17.51	0.49	0.00	0	250.00
\$ / R	On 30/04/2019	Any day expiry	14.25	Put	695.52110	0.69552	729.98050	0.72998	695.521	17.60	0.50	0.00	0	250.00
\$ / R	On 30/04/2019	Any day expiry	14.84	Call	411.41620	0.41142	404.16440	0.40416	411.416	18.67	0.37	0.00	0	500.00
\$ / R	On 30/04/2019	Any day expiry	15.61	Call	256.10460	0.25610	252.42540	0.25243	256.105	20.15	0.25	0.00	0	250.00
\$ / R	On 30/04/2019	Any day expiry	15.96	Call	205.10510	0.20511	202.73770	0.20274	205.105	20.68	0.20	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry			14.20890	14.20890	14.16100	14.16100		17.57	0.00	0.00	0	55.00
\$ / R	On 31/05/2019	Any day expiry	13.00	Put	194.46420	0.19446	209.86630	0.20987	194.464	16.07	0.20	0.00	0	500.00
\$ / R	On 31/05/2019	Any day expiry	14.20	Put	703.89460	0.70389	736.97400	0.73697	703.895	17.57	0.47	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry	14.25	Put	733.70840	0.73371	767.34360	0.76734	733.708	17.65	0.48	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry	15.01	Call	448.88830	0.44889	441.66210	0.44166	448.888	18.94	0.37	0.00	0	500.00
\$ / R	On 31/05/2019	Any day expiry	15.79	Call	292.91260	0.29291	289.17550	0.28918	292.913	20.28	0.26	0.00	0	250.00
\$ / R	On 31/05/2019	Any day expiry	16.15	Call	239.76930	0.23977	237.27110	0.23727	239.769	20.80	0.21	0.00	0	250.00
\$ / R	On 03/06/2019	Any day expiry			14.21410	14.21410	14.16610	14.16610		17.55	0.00	0.00	0	0.00
\$ / R	On 14/06/2019	Foreign Exchange Future			14.23310	14.23310	14.18510	14.18510		17.69	0.00	213,496.50	15	18,729.00
\$ / R	On 14/06/2019	Foreign Exchange Future	10.69	Put	7.31420	0.00731	7.90410	0.00790	7.314	17.46	0.01	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	12.28	Put	73.90520	0.07391	81.42630	0.08143	73.905	15.71	0.09	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	12.75	Put	149.09320	0.14909	161.40120	0.16140	149.093	15.94	0.16	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	12.98	Put	202.49450	0.20249	218.07640	0.21808	202.495	16.10	0.20	0.00	0	911.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.00	Put	207.77090	0.20777	223.60680	0.22361	207.771	16.11	0.21	0.00	0	8,203.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.24	Put	278.35450	0.27835	297.30030	0.29730	278.355	16.31	0.25	0.00	0	30,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.83	Put	519.54920	0.51955	547.82820	0.54783	519.549	17.02	0.39	0.00	0	25,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.88	Put	544.77140	0.54477	573.69420	0.57369	544.771	17.10	0.40	0.00	0	5,035.00
\$ / R	On 14/06/2019	Foreign Exchange Future	13.98	Call	850.14250	0.85014	832.32790	0.83233	850.143	17.25	0.58	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.42	Call	667.86480	0.66786	655.04580	0.65505	667.865	17.97	0.49	0.00	0	30.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.58	Call	611.95240	0.61195	600.63600	0.60064	611.952	18.23	0.46	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.63	Put	992.39100	0.99239	1,029.52170	1.02952	992.391	18.31	0.55	0.00	0	8,203.00
\$ / R	On 14/06/2019	Foreign Exchange Future	14.82	Call	537.06940	0.53707	527.76670	0.52777	537.069	18.63	0.41	0.00	0	30,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.10	Call	462.56570	0.46257	455.48640	0.45549	462.566	19.11	0.36	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.62	Call	354.07760	0.35408	349.58480	0.34958	354.078	20.02	0.29	0.00	0	5,035.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 14/06/2019	Foreign Exchange Future	15.80	Call	322.45960	0.32246	317.76250	0.31776	322.460	20.30	0.27	0.00	0	1,000.00
\$ / R	On 14/06/2019	Foreign Exchange Future	15.92	Call	302.50540	0.30251	298.33920	0.29834	302.505	20.47	0.25	0.00	0	911.00
\$ / R	On 14/06/2019	Foreign Exchange Future	16.00	Call	289.96540	0.28997	286.13160	0.28613	289.965	20.58	0.24	0.00	0	20.00
\$ / R	On 14/06/2019	Foreign Exchange Future	17.96	Call	124.50830	0.12451	125.47340	0.12547	124.508	23.96	0.11	0.00	0	8,203.00
\$ / R	On 20/06/2019	Any day expiry			14.24350	14.24350	14.19550	14.19550		17.68	0.00	0.00	0	0.00
\$ / R	On 20/06/2019	Any day expiry	14.72	Put	1,058.93900	1.05894	1,096.74060	1.09674	1,058.939	18.45	0.57	0.00	0	20,000.00
\$ / R	On 20/06/2019	Any day expiry	17.22	Call	167.55230	0.16755	167.83570	0.16784	167.552	22.32	0.15	0.00	0	20,000.00
\$ / R	On 28/06/2019	Any day expiry			14.25730	14.25730	14.20930	14.20930		17.71	0.00	0.00	0	0.00
\$ / R	On 28/06/2019	Any day expiry	13.00	Put	220.25470	0.22025	236.46190	0.23646	220.255	16.14	0.21	0.00	0	500.00
\$ / R	On 28/06/2019	Any day expiry	14.20	Put	735.62280	0.73562	768.29460	0.76829	735.623	17.63	0.46	0.00	0	250.00
\$ / R	On 28/06/2019	Any day expiry	14.25	Put	765.07540	0.76508	798.31450	0.79831	765.075	17.71	0.47	0.00	0	250.00
\$ / R	On 28/06/2019	Any day expiry	15.17	Call	480.03850	0.48004	473.12330	0.47312	480.038	19.21	0.36	0.00	0	500.00
\$ / R	On 28/06/2019	Any day expiry	15.96	Call	324.70800	0.32471	320.55840	0.32056	324.708	20.48	0.26	0.00	0	250.00
\$ / R	On 28/06/2019	Any day expiry	16.32	Call	271.51030	0.27151	268.69760	0.26870	271.510	20.97	0.22	0.00	0	250.00
\$ / R	On 01/07/2019	Any day expiry			14.26250	14.26250	14.21440	14.21440		17.69	0.00	0.00	0	55.00
\$ / R	On 03/07/2019	Any day expiry			14.26600	14.26600	14.21790	14.21790		17.78	0.00	0.00	0	0.00
\$ / R	On 03/07/2019	Any day expiry	13.45	Put	371.40200	0.37140	393.28880	0.39329	371.402	16.53	0.30	0.00	0	39,250.00
\$ / R	On 03/07/2019	Any day expiry	16.44	Call	265.10880	0.26511	262.67060	0.26267	265.109	21.12	0.22	0.00	0	39,250.00
\$ / R	On 31/07/2019	Any day expiry			14.31440	14.31440	14.26620	14.26620		17.82	0.00	0.00	0	0.00
\$ / R	On 31/07/2019	Any day expiry	13.00	Put	248.32360	0.24832	265.29150	0.26529	248.324	16.20	0.21	0.00	0	500.00
\$ / R	On 31/07/2019	Any day expiry	14.20	Put	768.00950	0.76801	799.99800	0.80000	768.009	17.66	0.45	0.00	0	250.00
\$ / R	On 31/07/2019	Any day expiry	14.25	Put	797.27800	0.79728	829.81570	0.82982	797.278	17.74	0.46	0.00	0	250.00
\$ / R	On 31/07/2019	Any day expiry	15.34	Call	517.09860	0.51710	510.29220	0.51029	517.099	19.44	0.36	0.00	0	500.00
\$ / R	On 31/07/2019	Any day expiry	16.14	Call	361.40280	0.36140	357.84410	0.35784	361.403	20.62	0.27	0.00	0	250.00
\$ / R	On 31/07/2019	Any day expiry	16.50	Call	308.20500	0.30820	305.49280	0.30549	308.205	21.10	0.23	0.00	0	250.00
\$ / R	On 01/08/2019	Any day expiry			14.31610	14.31610	14.26790	14.26790		17.89	0.00	0.00	0	55.00
\$ / R	On 13/08/2019	Any day expiry			14.33690	14.33690	14.28860	14.28860		17.89	0.00	0.00	0	0.00
\$ / R	On 13/08/2019	Any day expiry	14.48	Put	948.14130	0.94814	983.43470	0.98343	948.141	18.08	0.50	0.00	0	3,147.00
\$ / R	On 13/08/2019	Any day expiry	16.35	Call	353.16880	0.35317	350.06630	0.35007	353.169	20.85	0.25	0.00	0	3,147.00
\$ / R	On 30/08/2019	Any day expiry			14.36630	14.36630	14.31800	14.31800		17.98	0.00	0.00	0	0.00
\$ / R	On 30/08/2019	Any day expiry	13.00	Put	272.91940	0.27292	290.14020	0.29014	272.919	16.27	0.22	0.00	0	500.00
\$ / R	On 30/08/2019	Any day expiry	14.20	Put	794.02060	0.79402	827.29310	0.82729	794.021	17.67	0.44	0.00	0	250.00
\$ / R	On 30/08/2019	Any day expiry	14.25	Put	823.16000	0.82316	856.90030	0.85690	823.160	17.75	0.45	0.00	0	250.00
\$ / R	On 30/08/2019	Any day expiry	15.52	Call	542.87970	0.54288	536.78670	0.53679	542.880	19.66	0.36	0.00	0	500.00
\$ / R	On 30/08/2019	Any day expiry	16.33	Call	388.72620	0.38873	385.30290	0.38530	388.726	20.78	0.27	0.00	0	250.00
\$ / R	On 30/08/2019	Any day expiry	16.70	Call	334.81060	0.33481	332.74750	0.33275	334.811	21.26	0.24	0.00	0	250.00
\$ / R	On 02/09/2019	Any day expiry			14.37160	14.37160	14.32320	14.32320		17.97	0.00	0.00	0	55.00
\$ / R	On 05/09/2019	Any day expiry			14.37680	14.37680	14.32850	14.32850		17.98	0.00	0.00	0	0.00
\$ / R	On 05/09/2019	Any day expiry	19.00	Call	167.19570	0.16720	167.35690	0.16736	167.196	24.66	0.12	0.00	0	20,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future			14.39610	14.39610	14.34770	14.34770		17.97	0.00	0.00	0	14,099.00
\$ / R	On 16/09/2019	Foreign Exchange Future	10.75	Put	12.74850	0.01275	13.17210	0.01317	12.748	15.83	0.02	0.00	0	1,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	12.50	Put	144.69440	0.14469	155.29360	0.15529	144.694	15.31	0.14	0.00	0	1,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	13.91	Put	648.28120	0.64828	677.89890	0.67790	648.281	17.21	0.38	0.00	0	81,930.00
\$ / R	On 16/09/2019	Foreign Exchange Future	13.97	Put	679.76570	0.67977	710.02730	0.71003	679.766	17.31	0.39	0.00	0	800.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 16/09/2019	Foreign Exchange Future	14.09	Put	744.90990	0.74491	776.42060	0.77642	744.910	17.49	0.41	0.00	0	33,715.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.14	Put	772.88850	0.77289	804.90820	0.80491	772.889	17.57	0.42	0.00	0	141,127.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.21	Put	812.87310	0.81287	845.57920	0.84558	812.873	17.68	0.44	0.00	0	2,700.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.33	Put	883.55160	0.88355	917.39190	0.91739	883.552	17.87	0.46	0.00	0	33,151.00
\$ / R	On 16/09/2019	Foreign Exchange Future	14.72	Put	1,128.54960	1.12855	1,165.29110	1.16529	1,128.550	18.43	0.52	0.00	0	1,200.00
\$ / R	On 16/09/2019	Foreign Exchange Future	15.38	Put	1,596.12240	1.59612	1,637.39560	1.63740	1,596.122	19.39	0.62	0.00	0	5,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	15.56	Put	1,733.70360	1.73370	1,775.93750	1.77594	1,733.704	19.66	0.64	0.00	0	2,571.00
\$ / R	On 16/09/2019	Foreign Exchange Future	15.87	Call	504.63640	0.50464	499.38500	0.49938	504.636	20.12	0.33	0.00	0	1,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.23	Call	299.01250	0.29901	298.60900	0.29861	299.013	21.86	0.21	0.00	0	800.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.64	Call	265.58680	0.26559	267.23970	0.26724	265.587	22.58	0.18	0.00	0	5,000.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.85	Call	251.52900	0.25153	253.38750	0.25339	251.529	22.98	0.17	0.00	0	2,700.00
\$ / R	On 16/09/2019	Foreign Exchange Future	17.93	Call	246.52780	0.24653	248.45790	0.24846	246.528	23.13	0.17	0.00	0	2,571.00
\$ / R	On 16/09/2019	Foreign Exchange Future	18.29	Call	226.19200	0.22619	228.39750	0.22840	226.192	23.80	0.15	0.00	0	81,930.00
\$ / R	On 16/09/2019	Foreign Exchange Future	18.47	Call	217.21470	0.21721	219.53330	0.21953	217.215	24.14	0.15	0.00	0	1,200.00
\$ / R	On 16/09/2019	Foreign Exchange Future	18.63	Call	209.82770	0.20983	212.23240	0.21223	209.828	24.44	0.14	0.00	0	33,715.00
\$ / R	On 16/09/2019	Foreign Exchange Future	18.67	Call	208.06300	0.20806	209.43700	0.20944	208.063	24.51	0.14	0.00	0	141,127.00
\$ / R	On 16/09/2019	Foreign Exchange Future	19.32	Call	153.98230	0.15398	154.20240	0.15420	153.982	24.57	0.11	0.00	0	33,151.00
\$ / R	On 30/09/2019	Any day expiry			14.42060	14.42060	14.37220	14.37220		17.98	0.00	0.00	0	0.00
\$ / R	On 30/09/2019	Any day expiry	13.00	Put	295.59000	0.29559	313.24160	0.31324	295.590	16.31	0.22	0.00	0	500.00
\$ / R	On 30/09/2019	Any day expiry	14.20	Put	818.12380	0.81812	850.61310	0.85061	818.124	17.67	0.43	0.00	0	250.00
\$ / R	On 30/09/2019	Any day expiry	14.25	Put	847.07480	0.84707	880.03920	0.88004	847.075	17.75	0.44	0.00	0	250.00
\$ / R	On 30/09/2019	Any day expiry	15.68	Call	572.79070	0.57279	566.95060	0.56695	572.791	19.81	0.36	0.00	0	500.00
\$ / R	On 30/09/2019	Any day expiry	16.50	Call	418.60860	0.41861	415.54650	0.41555	418.609	20.88	0.27	0.00	0	250.00
\$ / R	On 30/09/2019	Any day expiry	16.89	Call	362.74890	0.36275	360.79520	0.36080	362.749	21.38	0.24	0.00	0	250.00
\$ / R	On 02/10/2019	Any day expiry			14.42420	14.42420	14.37570	14.37570		17.99	0.00	0.00	0	55.00
\$ / R	On 31/10/2019	Any day expiry			14.47500	14.47500	14.42650	14.42650		18.06	0.00	0.00	0	55.00
\$ / R	On 31/10/2019	Any day expiry	13.00	Put	317.97280	0.31797	335.89030	0.33589	317.973	16.38	0.22	0.00	0	500.00
\$ / R	On 31/10/2019	Any day expiry	14.20	Put	840.76350	0.84076	872.32860	0.87233	840.764	17.68	0.42	0.00	0	250.00
\$ / R	On 31/10/2019	Any day expiry	14.25	Put	869.56010	0.86956	901.57330	0.90157	869.560	17.76	0.43	0.00	0	250.00
\$ / R	On 31/10/2019	Any day expiry	15.87	Call	595.94580	0.59595	590.33510	0.59034	595.946	20.01	0.35	0.00	0	500.00
\$ / R	On 31/10/2019	Any day expiry	16.70	Call	443.98020	0.44398	440.61600	0.44062	443.980	21.04	0.27	0.00	0	250.00
\$ / R	On 31/10/2019	Any day expiry	17.09	Call	389.39130	0.38939	386.72780	0.38673	389.391	21.53	0.24	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry			14.52580	14.52580	14.47730	14.47730		18.19	0.00	0.00	0	0.00
\$ / R	On 29/11/2019	Any day expiry	13.00	Put	330.48150	0.33048	351.54300	0.35154	330.482	16.27	0.22	0.00	0	500.00
\$ / R	On 29/11/2019	Any day expiry	14.20	Put	859.67290	0.85967	891.56980	0.89157	859.673	17.68	0.41	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry	14.25	Put	888.27540	0.88828	920.63850	0.92064	888.275	17.75	0.42	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry	16.03	Call	619.90020	0.61990	614.13620	0.61414	619.900	20.15	0.35	0.00	0	500.00
\$ / R	On 29/11/2019	Any day expiry	16.87	Call	469.22300	0.46922	466.12190	0.46612	469.223	21.17	0.27	0.00	0	250.00
\$ / R	On 29/11/2019	Any day expiry	17.26	Call	415.26520	0.41527	413.04550	0.41305	415.265	21.64	0.25	0.00	0	250.00
\$ / R	On 02/12/2019	Any day expiry			14.53150	14.53150	14.48290	14.48290		18.18	0.00	0.00	0	55.00
\$ / R	On 13/12/2019	Foreign Exchange Future			14.55260	14.55260	14.50350	14.50350		18.23	0.00	0.00	0	9,600.00
\$ / R	On 13/12/2019	Foreign Exchange Future	11.89	Put	63.71740	0.06372	72.21010	0.07221	63.717	13.83	0.07	0.00	0	1,000.00
\$ / R	On 13/12/2019	Foreign Exchange Future	13.66	Put	594.30150	0.59430	620.60990	0.62061	594.302	17.01	0.33	0.00	0	1,000.00
\$ / R	On 13/12/2019	Foreign Exchange Future	17.38	Call	425.84650	0.42585	423.56230	0.42356	425.847	21.79	0.25	0.00	0	1,000.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
\$ / R	On 13/12/2019	Foreign Exchange Future	20.00	Call	201.06500	0.20107	199.91860	0.19992	201.065	24.34	0.12	0.00	0	2,000.00
\$ / R	On 31/12/2019	Any day expiry			14.58710	14.58710	14.53720	14.53720		18.33	0.00	0.00	0	0.00
\$ / R	On 31/12/2019	Any day expiry	13.00	Put	347.58010	0.34758	369.00150	0.36900	347.580	16.28	0.22	0.00	0	500.00
\$ / R	On 31/12/2019	Any day expiry	14.20	Put	881.33730	0.88134	913.67970	0.91368	881.337	17.74	0.41	0.00	0	250.00
\$ / R	On 31/12/2019	Any day expiry	14.25	Put	909.81620	0.90982	942.61130	0.94261	909.816	17.82	0.41	0.00	0	250.00
\$ / R	On 31/12/2019	Any day expiry	16.21	Call	650.65650	0.65066	644.46320	0.64446	650.657	20.37	0.35	0.00	0	500.00
\$ / R	On 31/12/2019	Any day expiry	17.05	Call	503.48030	0.50348	499.95370	0.49995	503.480	21.38	0.28	0.00	0	250.00
\$ / R	On 31/12/2019	Any day expiry	17.44	Call	450.07920	0.45008	447.46260	0.44746	450.079	21.84	0.25	0.00	0	250.00
\$ / R	On 02/01/2020	Any day expiry			14.59090	14.59090	14.54090	14.54090		18.34	0.00	0.00	0	55.00
\$ / R	On 31/01/2020	Any day expiry			14.64650	14.64650	14.59520	14.59520		18.46	0.00	0.00	0	55.00
\$ / R	On 02/03/2020	Any day expiry			14.70590	14.70590	14.65330	14.65330		18.56	0.00	0.00	0	55.00
\$ / R	On 16/03/2020	Foreign Exchange Future			14.73270	14.73270	14.67950	14.67950		18.63	0.00	0.00	0	3,966.00
\$ / R	On 02/04/2020	Any day expiry			14.76530	14.76530	14.71130	14.71130		18.71	0.00	0.00	0	55.00
\$ / R	On 29/04/2020	Any day expiry			14.81700	14.81700	14.76190	14.76190		18.79	0.00	0.00	0	55.00
\$ / R	On 02/06/2020	Any day expiry			14.88220	14.88220	14.82560	14.82560		18.86	0.00	0.00	0	1,055.00
\$ / R	On 12/06/2020	Foreign Exchange Future			14.90140	14.90140	14.84430	14.84430		18.87	0.00	0.00	0	0.00
\$ / R	On 28/07/2020	Any day expiry			14.98950	14.98950	14.93040	14.93040		18.98	0.00	0.00	0	84,000.00
\$ / R	On 14/09/2020	Foreign Exchange Future			15.08150	15.08150	15.02030	15.02030		19.07	0.00	0.00	0	0.00
\$ / R MAXI	On 14/12/2018	Foreign Exchange Future			13.92340	13.92340	13.87660	13.87660		16.74	0.00	0.00	0	429.00
\$ / R MAXI	On 18/03/2019	Foreign Exchange Future			14.08280	14.08280	14.03560	14.03560		17.15	0.00	0.00	0	10.00
\$ / R MAXI	On 14/06/2019	Foreign Exchange Future			14.23310	14.23310	14.18510	14.18510		17.69	0.00	0.00	0	0.00
\$ / R MAXI	On 16/09/2019	Foreign Exchange Future			14.39610	14.39610	14.34770	14.34770		17.98	0.00	0.00	0	0.00
\$ / R MAXI	On 13/12/2019	Foreign Exchange Future			14.55260	14.55260	14.50350	14.50350		18.23	0.00	0.00	0	0.00
£ / R	On 30/11/2018	Any day expiry			17.70900	17.70900	17.79410	17.79410		16.50	0.00	158,515.20	9	13.00
£ / R	On 14/12/2018	Foreign Exchange Future			17.74920	17.74920	17.83450	17.83450		17.01	0.00	4,597,042.80	259	417,643.00
£ / R	On 14/12/2018	Foreign Exchange Future	19.30	Call	12.02030	0.01202	16.15830	0.01616	12.020	21.48	0.04	0.00	0	200.00
£ / R	On 31/01/2019	Any day expiry			17.90000	17.90000	17.98740	17.98740		16.67	0.00	71,912.00	4	27.00
£ / R	On 18/03/2019	Foreign Exchange Future			18.04090	18.04090	18.12820	18.12820		16.67	0.00	13,386,347.80	742	12,350.00
£ / R	On 18/03/2019	Foreign Exchange Future	18.00	Put	640.50530	0.64051	605.30830	0.60531	640.505	16.67	0.47	0.00	0	500.00
£ / R	On 18/03/2019	Foreign Exchange Future	19.19	Put	1,435.16230	1.43516	1,374.74350	1.37474	1,435.162	17.58	0.72	0.00	0	1,000.00
£ / R	On 18/03/2019	Foreign Exchange Future	20.00	Call	154.84020	0.15484	171.74530	0.17175	154.840	18.37	0.17	0.00	0	500.00
£ / R	On 18/03/2019	Foreign Exchange Future	20.18	Call	134.45830	0.13446	149.59580	0.14960	134.458	18.52	0.15	0.00	0	1,500.00
£ / R	On 18/03/2019	Foreign Exchange Future	21.44	Call	49.86420	0.04986	56.65380	0.05665	49.864	19.61	0.06	0.00	0	500.00
£ / R	On 29/03/2019	Any day expiry			18.07440	18.07440	18.16190	18.16190		16.73	0.00	0.00	0	24.00
£ / R	On 14/06/2019	Foreign Exchange Future			18.31460	18.31460	18.40290	18.40290		16.95	0.00	10,164,603.00	555	5,301.00
£ / R	On 16/09/2019	Foreign Exchange Future			18.61440	18.61440	18.70380	18.70380		17.39	0.00	19,824,336.00	1,065	10,960.00
£ / R	On 13/12/2019	Foreign Exchange Future			18.90170	18.90170	18.99200	18.99200		17.75	0.00	9,450,850.00	500	0.00
£ / R	On 16/03/2020	Foreign Exchange Future			19.22860	19.22860	19.31590	19.31590		18.30	0.00	9,614,300.00	500	0.00
¥ / R	On 14/12/2018	Foreign Exchange Future			0.12259	0.12259	0.12245	0.12245		28.52	0.00	0.00	0	6,905.00
¥ / R	On 18/03/2019	Foreign Exchange Future			0.12504	0.12504	0.12491	0.12491		23.33	0.00	0.00	0	0.00
¥ / R	On 14/06/2019	Foreign Exchange Future			0.12733	0.12733	0.12720	0.12720		22.81	0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
€ / R	On 27/11/2018	Any day expiry		15.70910	15.70910		15.63800	15.63800		16.45	0.00	0.00	0	0.00
€ / R	On 30/11/2018	Any day expiry		15.71200	15.71200		15.72930	15.72930		15.78	0.00	531,692.00	34	37.00
€ / R	On 14/12/2018	Foreign Exchange Future		15.75500	15.75500		15.77250	15.77250		15.20	0.00	78,806,510.00	5,002	115,939.00
€ / R	On 21/12/2018	Any day expiry		15.77680	15.77680		15.79430	15.79430		15.28	0.00	0.00	0	0.00
€ / R	On 21/12/2018	Any day expiry	15.83	Put	275.85310	0.27585	280.99800	0.28100	275.853	15.36	0.53	0.00	0	32,000.00
€ / R	On 03/01/2019	Any day expiry		15.82000	15.82000		15.83880	15.83880		15.00	0.00	0.00	0	0.00
€ / R	On 03/01/2019	Any day expiry	15.85	Put	319.33530	0.31934	322.36000	0.32236	319.335	15.12	0.51	0.00	0	13,000.00
€ / R	On 18/03/2019	Foreign Exchange Future		16.07340	16.07340		16.09330	16.09330		15.68	0.00	0.00	0	37,049.00
€ / R	On 18/03/2019	Foreign Exchange Future	15.60	Put	324.43930	0.32444	324.59500	0.32459	324.439	15.15	0.34	0.00	0	462.00
€ / R	On 18/03/2019	Foreign Exchange Future	16.00	Call	588.36390	0.58836	608.51380	0.60851	588.364	15.62	0.54	0.00	0	650.00
€ / R	On 18/03/2019	Foreign Exchange Future	17.33	Put	1,469.93280	1.46993	1,462.83710	1.46284	1,469.933	17.97	0.76	0.00	0	462.00
€ / R	On 18/03/2019	Foreign Exchange Future	19.65	Call	35.07350	0.03507	39.19790	0.03920	35.073	21.06	0.05	0.00	0	462.00
€ / R	On 14/06/2019	Foreign Exchange Future		16.37310	16.37310		16.39400	16.39400		16.32	0.00	0.00	0	4,675.00
€ / R	On 14/08/2019	Any day expiry		16.58810	16.58810		16.60960	16.60960		16.69	0.00	0.00	0	0.00
€ / R	On 14/08/2019	Any day expiry	17.01	Put	1,198.57000	1.19857	1,192.40890	1.19241	1,198.570	17.22	0.54	0.00	0	31,200.00
€ / R	On 14/08/2019	Any day expiry	19.65	Call	274.18870	0.27419	284.36190	0.28436	274.189	20.61	0.19	0.00	0	62,400.00
€ / R	On 16/09/2019	Foreign Exchange Future		16.70430	16.70430		16.72630	16.72630		16.80	0.00	0.00	0	9,050.00
€ / R	On 16/09/2019	Foreign Exchange Future	18.60	Call	488.14270	0.48814	500.43190	0.50043	488.143	19.16	0.29	0.00	0	55,000.00
€ / R	On 13/12/2019	Foreign Exchange Future		17.01390	17.01390		17.03570	17.03570		17.09	0.00	0.00	0	0.00
€ / R	On 13/12/2019	Foreign Exchange Future	13.73	Put	103.27510	0.10328	100.85300	0.10085	103.275	15.71	0.08	0.00	0	17,150.00
€ / R	On 13/12/2019	Foreign Exchange Future	16.15	Put	705.46790	0.70547	698.99820	0.69900	705.468	16.05	0.34	0.00	0	17,150.00
€ / R	On 13/12/2019	Foreign Exchange Future	20.62	Call	419.06260	0.41906	425.59010	0.42559	419.063	21.27	0.22	0.00	0	17,150.00
€ / R	On 16/03/2020	Foreign Exchange Future		17.32990	17.32990		17.34780	17.34780		17.43	0.00	0.00	0	0.00
5Y STND	On 21/12/2021	Interest Rate Swap		97.54000	97.54000		97.52000	97.52000			0.00	0.00	0	51.00
AL37	On 07/02/2019	Index Future		607.80700	607.80700		607.83700	607.83700			0.00	0.00	0	0.00
AL37	On 02/05/2019	Index Future		618.48900	618.48900		618.51800	618.51800			0.00	0.00	0	0.00
AL37	On 01/08/2019	Index Future		630.80800	630.80800		630.84200	630.84200			0.00	0.00	0	0.00
AL7T	On 07/02/2019	Index Future		700.64500	700.64500		701.49200	701.49200			0.00	0.00	0	0.00
AL7T	On 02/05/2019	Index Future		712.95800	712.95800		713.81900	713.81900			0.00	0.00	0	0.00
AL7T	On 01/08/2019	Index Future		727.15800	727.15800		728.04200	728.04200			0.00	0.00	0	0.00
ALBI	On 07/02/2019	Index Future		634.86700	634.86700		635.90100	635.90100			0.00	0.00	0	910.00
ALBI	On 02/05/2019	Index Future		646.02400	646.02400		647.07500	647.07500			0.00	0.00	0	0.00
ALBI	On 01/08/2019	Index Future		658.89100	658.89100		659.96800	659.96800			0.00	0.00	0	0.00
AU\$ / R	On 14/12/2018	Foreign Exchange Future		10.05620	10.05620		10.05740	10.05740		12.94	0.00	83,888,820.40	8,342	19,696.00
AU\$ / R	On 18/03/2019	Foreign Exchange Future		10.18830	10.18830		10.18940	10.18940		13.16	0.00	0.00	0	324.00
AU\$ / R	On 14/06/2019	Foreign Exchange Future		10.31480	10.31480		10.31570	10.31570		13.57	0.00	0.00	0	4,934.00
AU\$ / R	On 16/09/2019	Foreign Exchange Future		10.45350	10.45350		10.45450	10.45450		14.01	0.00	0.00	0	0.00
AU\$ / R	On 13/12/2019	Foreign Exchange Future		10.58710	10.58710		10.58770	10.58770		14.37	0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
AU\$ / R	On 16/03/2020	Foreign Exchange Future		10.73960	10.73960		10.73840	10.73840		14.88	0.00	0.00	0	0.00
CAD/ R	On 14/12/2018	Foreign Exchange Future		10.49090	10.49090		10.50770	10.50770		13.91	0.00	0.00	0	700.00
CAD/ R	On 18/03/2019	Foreign Exchange Future		10.63270	10.63270		10.64980	10.64980		14.08	0.00	0.00	0	250.00
CAD/ R	On 14/06/2019	Foreign Exchange Future		10.76210	10.76210		10.77900	10.77900		14.60	0.00	0.00	0	0.00
CAD/ R	On 16/09/2019	Foreign Exchange Future		10.77800	10.77800		10.79430	10.79430		15.14	0.00	0.00	0	250.00
CAD/ R	On 13/12/2019	Foreign Exchange Future		10.91600	10.91600		10.93230	10.93230		15.61	0.00	0.00	0	0.00
CAD/ R	On 16/03/2020	Foreign Exchange Future		11.05050	11.05050		11.06700	11.06700		15.94	0.00	0.00	0	0.00
CF CANDO CAHF	On 18/03/2019	Can-Do Future		131.39000	131.39000		128.11000	128.11000			0.00	0.00	0	10,000.00
CHF / R	On 14/12/2018	Foreign Exchange Future		13.94750	13.94750		13.91290	13.91290		15.13	0.00	1,394,750.00	100	1,266.00
CHF / R	On 18/03/2019	Foreign Exchange Future		14.24520	14.24520		14.21160	14.21160		16.00	0.00	0.00	0	0.00
CHF / R	On 14/06/2019	Foreign Exchange Future		14.52520	14.52520		14.49160	14.49160		17.02	0.00	0.00	0	150.00
CHF / R	On 16/09/2019	Foreign Exchange Future		14.83500	14.83500		14.80120	14.80120		17.86	0.00	0.00	0	0.00
CHF / R	On 13/12/2019	Foreign Exchange Future		15.12500	15.12500		15.09010	15.09010		18.33	0.00	0.00	0	0.00
CHF / R	On 16/03/2020	Foreign Exchange Future		15.75180	15.75180		15.70380	15.70380		18.89	0.00	0.00	0	0.00
CNH / R	On 14/12/2018	Foreign Exchange Future		2.00230	2.00230		1.99870	1.99870		14.81	0.00	0.00	0	0.00
CNH / R	On 18/03/2019	Foreign Exchange Future		2.02000	2.02000		2.01680	2.01680		14.83	0.00	0.00	0	0.00
CNH / R	On 14/06/2019	Foreign Exchange Future		2.03850	2.03850		2.03530	2.03530		15.55	0.00	0.00	0	0.00
DKK / R	On 14/12/2018	Foreign Exchange Future		2.11780	2.11780		2.12030	2.12030		15.46	0.00	0.00	0	140.00
DKK / R	On 18/03/2019	Foreign Exchange Future		2.16210	2.16210		2.16480	2.16480		14.90	0.00	0.00	0	0.00
DKK / R	On 14/06/2019	Foreign Exchange Future		2.20370	2.20370		2.20660	2.20660		15.41	0.00	0.00	0	0.00
DKK / R	On 16/09/2019	Foreign Exchange Future		2.24950	2.24950		2.25230	2.25230		15.81	0.00	0.00	0	0.00
DKK / R	On 13/12/2019	Foreign Exchange Future		2.37180	2.37180		2.37300	2.37300		16.47	0.00	0.00	0	0.00
DKK / R	On 16/03/2020	Foreign Exchange Future		2.42210	2.42210		2.42290	2.42290		16.99	0.00	0.00	0	0.00
E170	On 01/08/2021	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
ES23	On 25/01/2023	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
ES23A	On 25/01/2023	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
ES26	On 25/01/2023	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
ES26A	On 02/04/2026	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
ES33	On 07/02/2019	Bond Future		11.12057	77.25181		11.10119	77.36323			0.00	0.00	0	494.00
ES33	On 02/05/2019	Bond Future		11.22051	74.81852		11.20052	74.93172			0.00	0.00	0	0.00
ES33	On 01/08/2019	Bond Future		11.31972	76.31021		11.29891	76.42624			0.00	0.00	0	0.00
ES33	On 15/09/2033	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
ES33A	On 15/09/2033	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
ES42	On 07/02/2019	Bond Future	11.36591		79.26617		11.34135	79.42614			0.00	0.00	0	5,169.00
ES42	On 02/05/2019	Bond Future	11.46649		76.39887		11.44112	76.56154			0.00	0.00	0	0.00
ES42	On 01/08/2019	Bond Future	11.56471		77.92268		11.53836	78.08917			0.00	0.00	0	0.00
ES42	On 25/04/2042	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
GOVI	On 07/02/2019	GOVI	628.30500		628.30500		629.37400	629.37400			0.00	0.00	0	457.00
GOVI	On 02/05/2019	GOVI	639.34600		639.34600		640.43300	640.43300			0.00	0.00	0	0.00
GOVI	On 01/08/2019	GOVI	652.08100		652.08100		653.19400	653.19400			0.00	0.00	0	0.00
HK\$/R	On 14/12/2018	Foreign Exchange Future	1.77930		1.77930		1.77450	1.77450		17.44	0.00	0.00	0	0.00
HK\$/R	On 18/03/2019	Foreign Exchange Future	1.80380		1.80380		1.79880	1.79880		17.06	0.00	0.00	0	0.00
HK\$/R	On 14/06/2019	Foreign Exchange Future	1.82580		1.82580		1.82070	1.82070		17.88	0.00	0.00	0	0.00
I2025	On 07/02/2019	Bond Future	132.13006		132.13006		132.07450	132.07450			0.00	0.00	0	355.00
I2025	On 02/05/2019	Bond Future	134.48225		134.48225		134.42539	134.42539			0.00	0.00	0	0.00
I2025	On 01/08/2019	Bond Future	137.14650		137.14650		137.08948	137.08948			0.00	0.00	0	0.00
I2025	On 31/01/2025	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2029	On 07/02/2019	Bond Future	100.41448		100.41448		100.42955	100.42955			0.00	0.00	0	2,954.00
I2029	On 02/05/2019	Bond Future	101.12893		101.12893		101.14415	101.14415			0.00	0.00	0	0.00
I2029	On 01/08/2019	Bond Future	103.16769		103.16769		103.18390	103.18390			0.00	0.00	0	0.00
I2033	On 14/08/2015	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2033	On 07/02/2019	Bond Future	102.33594		102.33594		102.16539	102.16539			0.00	0.00	0	6,770.00
I2033	On 02/05/2019	Bond Future	103.01231		103.01231		102.83835	102.83835			0.00	0.00	0	0.00
I2033	On 01/08/2019	Bond Future	105.08888		105.08888		104.91225	104.91225			0.00	0.00	0	0.00
I2033	On 28/02/2033	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2038	On 07/02/2019	Bond Future	119.92881		119.92881		119.94689	119.94689			0.00	0.00	0	9,912.00
I2038	On 02/05/2019	Bond Future	122.06377		122.06377		122.08188	122.08188			0.00	0.00	0	0.00
I2038	On 01/08/2019	Bond Future	124.47191		124.47191		124.49130	124.49130			0.00	0.00	0	0.00
I2038	On 31/01/2038	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2046	On 07/02/2019	Bond Future	113.93705		113.93705		113.73955	113.73955			0.00	0.00	0	12,458.00
I2046	On 02/05/2019	Bond Future	114.27923		114.27923		114.07817	114.07817			0.00	0.00	0	0.00
I2046	On 01/08/2019	Bond Future	116.58330		116.58330		116.37888	116.37888			0.00	0.00	0	0.00
I2046	On 31/03/2046	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
I2050	On 07/02/2019	Bond Future	117.64407		117.64407		117.17178	117.17178			0.00	0.00	0	10,329.00
I2050	On 02/05/2019	Bond Future	119.73831		119.73831		119.25731	119.25731			0.00	0.00	0	0.00
I2050	On 01/08/2019	Bond Future	120.33358		120.33358		119.84381	119.84381			0.00	0.00	0	0.00
I2050	On 31/12/2050	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
IGOV	On 07/02/2019	Index Future			253.53100		253.53100		253.28600	253.28600			0.00	0.00	0	528.00
IGOV	On 02/05/2019	Index Future			258.04300		258.04300		257.79400	257.79400			0.00	0.00	0	215.00
IGOV	On 01/08/2019	Index Future			263.24300		263.24300		262.99000	262.99000			0.00	0.00	0	0.00
JIBAR FUTURE	On 19/12/2018	Jibar Tradeable Future			7.01000		92.99000		7.01000	92.99000			0.00	0.00	0	20,000.00
JIBAR FUTURE	On 20/03/2019	Jibar Tradeable Future			7.01000		92.99000		7.01000	92.99000			0.00	0.00	0	0.00
JIBAR FUTURE	On 19/06/2019	Jibar Tradeable Future			7.03000		92.97000		7.03000	92.97000			0.00	0.00	0	0.00
KES / R	On 14/12/2018	Foreign Exchange Future			0.13530		0.13530		0.13510	0.13510			0.00	0.00	0	0.00
KES / R	On 18/03/2019	Foreign Exchange Future			0.13420		0.13420		0.13470	0.13470			0.00	0.00	0	0.00
KES / R	On 14/06/2019	Foreign Exchange Future			0.13310		0.13310		0.13420	0.13420			0.00	0.00	0	2,166.00
NOK/R	On 14/12/2018	Foreign Exchange Future			1.62270		1.62270		1.62300	1.62300		13.87	0.00	0.00	0	0.00
NOK/R	On 18/03/2019	Foreign Exchange Future			1.64840		1.64840		1.64890	1.64890		14.21	0.00	0.00	0	0.00
NOK/R	On 14/06/2019	Foreign Exchange Future			1.67250		1.67250		1.67310	1.67310		14.51	0.00	0.00	0	0.00
NZ\$ / R	On 14/12/2018	Foreign Exchange Future			9.45000		9.45000		9.43370	9.43370		13.07	0.00	0.00	0	0.00
NZ\$ / R	On 18/03/2019	Foreign Exchange Future			9.57370		9.57370		9.55640	9.55640		13.17	0.00	0.00	0	0.00
NZ\$ / R	On 14/06/2019	Foreign Exchange Future			9.69260		9.69260		9.67480	9.67480		13.78	0.00	0.00	0	0.00
NZ\$ / R	On 16/09/2019	Foreign Exchange Future			9.82170		9.82170		9.80440	9.80440		14.45	0.00	0.00	0	0.00
NZ\$ / R	On 13/12/2019	Foreign Exchange Future			10.30590		10.30590		10.28260	10.28260		15.46	0.00	0.00	0	0.00
NZ\$ / R	On 16/03/2020	Foreign Exchange Future			10.44110		10.44110		10.42290	10.42290		16.01	0.00	0.00	0	0.00
PULA / R	On 14/12/2018	Foreign Exchange Future			1.31850		1.31850		1.31320	1.31320			0.00	0.00	0	0.00
PULA / R	On 18/03/2019	Foreign Exchange Future			1.32600		1.32600		1.32080	1.32080			0.00	0.00	0	0.00
PULA / R	On 14/06/2019	Foreign Exchange Future			1.33180		1.33180		1.32650	1.32650			0.00	0.00	0	0.00
QUANTO £ / \$	On 14/12/2018	Foreign Exchange Future			1.27480		1.27480		1.28520	1.28520			0.00	6,374.00	5	250.00
QUANTO € / \$	On 14/12/2018	Foreign Exchange Future			1.13160		1.13160		1.13660	1.13660			0.00	0.00	0	50.00
QUANTO € / \$	On 18/03/2019	Foreign Exchange Future			1.14140		1.14140		1.14660	1.14660			0.00	0.00	0	0.00
QUANTO € / \$	On 14/06/2019	Foreign Exchange Future			1.15040		1.15040		1.15570	1.15570			0.00	0.00	0	0.00
R / ¥EN	On 14/12/2018	Foreign Exchange Future			8.15730		8.15730	0.12224	8.16650	8.16650		19.15	0.00	0.00	0	0.00
R186	On 07/02/2019	Bond Future			9.03734		109.60628		9.01726	109.72343		6.92	0.00	158,929,106.00	1,450	69,680.00
R186	On 07/02/2019	Bond Future	8.30	Call	111.16000		0.11116		124.34000	0.12434	111.160	6.29	0.08	0.00	0	210.00
R186	On 07/02/2019	Bond Future	8.50	Call	253.52000		0.25352		277.97000	0.27797	253.520	6.36	0.16	0.00	0	1,000.00
R186	On 07/02/2019	Bond Future	8.77	Call	649.69000		0.64969		695.75000	0.69575	649.690	6.58	0.32	0.00	0	1,170.00
R186	On 07/02/2019	Bond Future	9.10	Put	1,148.74000		1.14874		1,105.87000	1.10587	1,148.740	6.82	0.45	0.00	0	1,000.00
R186	On 07/02/2019	Bond Future	9.20	Call	1,856.13000		1.85613		1,937.97000	1.93797	1,856.130	6.89	0.62	0.00	0	3,000.00
R186	On 07/02/2019	Bond Future	9.23	Call	1,965.89000		1.96589		2,049.84000	2.04984	1,965.890	6.91	0.64	0.00	0	3,000.00
R186	On 07/02/2019	Bond Future	9.27	Call	2,117.23000		2.11723		2,203.89000	2.20389	2,117.230	6.93	0.66	0.00	0	1,170.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R186	On 07/02/2019	Bond Future	9.30	Put	717.12000		0.71712		688.57000	0.68857	717.120	6.96	0.32	0.00	0	2,500.00
R186	On 07/02/2019	Bond Future	9.38	Call	2,560.19000		2.56019	2,653.57000	2.65357	2,560.190	7.01	7.01	0.73	0.00	0	6,000.00
R186	On 07/02/2019	Bond Future	9.50	Put	427.03000		0.42703	409.36000	0.40936	427.030	7.10	7.10	0.21	0.00	0	5,000.00
R186	On 07/02/2019	Bond Future	9.90	Put	145.51000		0.14551	139.66000	0.13966	145.510	7.57	7.57	0.09	0.00	0	1,000.00
R186	On 07/02/2019	Bond Future	9.92	Put	137.62000		0.13762	132.11000	0.13211	137.620	7.59	7.59	0.08	0.00	0	1,170.00
R186	On 02/05/2019	Bond Future			9.09564	111.53313		9.07471	111.65212		7.01	7.01	0.00	0.00	0	0.00
R186	On 02/05/2019	Bond Future	8.50	Call	642.12000		0.64212	675.77000	0.67577	642.120	6.39	6.39	0.24	0.00	0	7,000.00
R186	On 02/05/2019	Bond Future	8.62	Call	846.15000		0.84615	886.54000	0.88654	846.150	6.50	6.50	0.29	0.00	0	90.00
R186	On 02/05/2019	Bond Future	8.65	Call	902.72000		0.90272	944.83000	0.94483	902.720	6.53	6.53	0.30	0.00	0	3,250.00
R186	On 02/05/2019	Bond Future	8.70	Call	1,002.45000		1.00245	1,047.46000	1.04746	1,002.450	6.57	6.57	0.33	0.00	0	200.00
R186	On 02/05/2019	Bond Future	9.00	Call	1,730.78000		1.73078	1,793.08000	1.79308	1,730.780	6.83	6.83	0.47	0.00	0	7,000.00
R186	On 02/05/2019	Bond Future	9.20	Call	2,332.18000		2.33218	2,405.23000	2.40523	2,332.180	6.97	6.97	0.56	0.00	0	90.00
R186	On 02/05/2019	Bond Future	9.25	Call	2,496.83000		2.49683	2,572.41000	2.57241	2,496.830	7.01	7.01	0.58	0.00	0	3,250.00
R186	On 02/05/2019	Bond Future	9.30	Call	2,668.56000		2.66856	2,746.59000	2.74659	2,668.560	7.05	7.05	0.60	0.00	0	200.00
R186	On 02/05/2019	Bond Future	9.75	Put	800.42000		0.80042	777.43000	0.77743	800.420	7.50	7.50	0.24	0.00	0	7,000.00
R186	On 02/05/2019	Bond Future	9.96	Put	598.39000		0.59839	581.16000	0.58116	598.390	7.77	7.77	0.19	0.00	0	90.00
R186	On 02/05/2019	Bond Future	10.02	Put	550.67000		0.55067	534.83000	0.53483	550.670	7.85	7.85	0.17	0.00	0	3,250.00
R186	On 02/05/2019	Bond Future	10.07	Put	514.17000		0.51417	499.42000	0.49942	514.170	7.91	7.91	0.16	0.00	0	200.00
R186	On 01/08/2019	Bond Future			9.14466	108.45383		9.12256	108.57600		7.14	7.14	0.00	0.00	0	0.00
R186	On 01/08/2019	Bond Future	8.30	Call	602.15000		0.60215	630.36000	0.63036	602.150	6.12	6.12	0.20	0.00	0	6,000.00
R186	On 01/08/2019	Bond Future	9.05	Call	2,227.97000		2.22797	2,291.83000	2.29183	2,227.970	6.96	6.96	0.48	0.00	0	6,000.00
R186	On 01/08/2019	Bond Future	10.08	Put	1,012.75000		1.01275	989.32000	0.98932	1,012.750	8.18	8.18	0.23	0.00	0	6,000.00
R186	On 21/12/2026	Price Contribution			100.00000	100.00000		100.00000	100.00000				0.00	0.00	0	0.00
R186/R207	On 21/12/2026	Price Contribution			100.00000	100.00000		100.00000	100.00000				0.00	0.00	0	0.00
R186/R208	On 21/12/2026	Price Contribution			100.00000	100.00000		100.00000	100.00000				0.00	0.00	0	0.00
R197	On 07/02/2019	Bond Future			298.57672	298.57672		297.96321	297.96321				0.00	0.00	0	2,355.00
R197	On 02/05/2019	Bond Future			303.89165	303.89165		303.26653	303.26653				0.00	0.00	0	0.00
R197	On 01/08/2019	Bond Future			302.45755	302.45755		301.82196	301.82196				0.00	0.00	0	0.00
R197	On 07/12/2023	Price Contribution			100.00000	100.00000		100.00000	100.00000				0.00	0.00	0	0.00
R202	On 07/02/2019	Bond Future			231.10961	231.10961		231.00894	231.00894				0.00	0.00	0	8,990.00
R202	On 02/05/2019	Bond Future			235.22366	235.22366		235.12060	235.12060				0.00	0.00	0	0.00
R202	On 01/08/2019	Bond Future			235.94969	235.94969		235.84637	235.84637				0.00	0.00	0	0.00
R202	On 07/12/2033	Price Contribution			100.00000	100.00000		100.00000	100.00000				0.00	0.00	0	0.00
R2023	On 07/02/2019	Bond Future			8.32843	101.57393		8.32371	101.58968		3.50	3.50	0.00	0.00	0	60,251.00
R2023	On 02/05/2019	Bond Future			8.36812	99.42973		8.36313	99.44556		3.86	3.86	0.00	0.00	0	0.00
R2023	On 01/08/2019	Bond Future			8.38623	101.41165		8.38059	101.42855		3.79	3.79	0.00	0.00	0	0.00
R2023	On 28/02/2023	Price Contribution			100.00000	100.00000		100.00000	100.00000				0.00	0.00	0	0.00
R2030	On 07/02/2019	Bond Future			9.49639	90.19839		9.47131	90.35560		9.42	9.42	0.00	4,419,721.11	49	55,609.00

Contract Details			Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R2030	On 07/02/2019	Bond Future	8.90	Call	229.20000		0.22920		256.85000	0.25685	229.200	8.42	0.14	0.00	0	1,320.00
R2030	On 07/02/2019	Bond Future	9.18	Call	630.03000		0.63003		685.68000	0.68568	630.030	8.75	0.29	0.00	0	4,000.00
R2030	On 07/02/2019	Bond Future	9.60	Call	1,822.24000		1.82224		1,924.29000	1.92429	1,822.240	9.28	0.58	0.00	0	1,320.00
R2030	On 07/02/2019	Bond Future	9.68	Call	2,124.17000		2.12417		2,233.84000	2.23384	2,124.170	9.35	0.63	0.00	0	4,000.00
R2030	On 07/02/2019	Bond Future	10.20	Put	273.64000		0.27364		259.12000	0.25912	273.640	10.00	0.13	0.00	0	4,000.00
R2030	On 02/05/2019	Bond Future			9.55742		91.78439		9.53151	91.94414		9.61	0.00	0.00	0	0.00
R2030	On 02/05/2019	Bond Future	8.90	Call	649.96000		0.64996		691.51000	0.69151	649.960	8.63	0.22	0.00	0	3,000.00
R2030	On 02/05/2019	Bond Future	9.40	Call	1,773.35000		1.77335		1,852.01000	1.85201	1,773.350	9.26	0.44	0.00	0	3,000.00
R2030	On 02/05/2019	Bond Future	10.20	Put	934.02000		0.93402		901.00000	0.90100	934.020	10.15	0.25	0.00	0	3,000.00
R2030	On 01/08/2019	Bond Future			9.61462		89.60863		9.58761	89.77220		9.87	0.00	0.00	0	0.00
R2030	On 31/01/2030	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2032	On 07/02/2019	Bond Future			9.70394		92.37608		9.67381	92.58065		10.09	0.00	0.00	0	42,380.00
R2032	On 02/05/2019	Bond Future			9.76443		89.84318		9.73336	90.05114		10.74	0.00	0.00	0	0.00
R2032	On 01/08/2019	Bond Future			9.81949		91.63453		9.78724	91.84731		10.62	0.00	0.00	0	0.00
R2032	On 31/03/2032	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2035	On 07/02/2019	Bond Future			9.82979		96.40658		9.80484	96.59486		10.72	0.00	0.00	0	71,612.00
R2035	On 02/05/2019	Bond Future			9.88741		93.60110		9.86174	93.79245		11.46	0.00	0.00	0	0.00
R2035	On 01/08/2019	Bond Future			9.94094		95.46703		9.91433	95.66293		11.35	0.00	0.00	0	0.00
R2035	On 28/02/2035	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2037	On 07/02/2019	Bond Future			9.89526		88.66176		9.87542	88.81227		11.79	0.00	0.00	0	55,962.00
R2037	On 02/05/2019	Bond Future			9.95518		90.22074		9.93478	90.37372		12.03	0.00	0.00	0	0.00
R2037	On 01/08/2019	Bond Future			10.01290		87.76351		9.99175	87.92020		12.49	0.00	0.00	0	0.00
R2037	On 31/01/2037	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R204	On 21/12/2018	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R204/R203	On 21/12/2018	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2040	On 06/10/2015	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2040	On 07/02/2019	Bond Future			9.98032		91.74371		9.95536	91.94670		12.16	0.00	0.00	0	33,526.00
R2040	On 02/05/2019	Bond Future			10.04032		93.35695		10.01466	93.56331		12.42	0.00	0.00	0	0.00
R2040	On 02/05/2019	Bond Future	9.60	Call	1,394.37000		1.39437		1,469.33000	1.46933	1,394.370	11.51	0.32	0.00	0	1,150.00
R2040	On 02/05/2019	Bond Future	10.20	Call	3,665.10000		3.66510		3,795.89000	3.79589	3,665.100	12.36	0.58	0.00	0	1,150.00
R2040	On 01/08/2019	Bond Future			10.09842		90.71193		10.07186	90.92306		12.92	0.00	0.00	0	0.00
R2040	On 31/01/2040	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R2044	On 07/02/2019	Bond Future			9.99306		88.93432		9.96296	89.18336		12.72	0.00	0.00	0	37,185.00
R2044	On 02/05/2019	Bond Future			10.05052		90.49817		10.01960	90.75135		13.00	0.00	0.00	0	0.00
R2044	On 01/08/2019	Bond Future			10.10609		87.92130		10.07413	88.18020		13.56	0.00	0.00	0	0.00
R2044	On 31/01/2044	Price Contribution			100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R2048	On 07/02/2019	Bond Future		9.97409	92.43337		9.94914	92.64531		12.52	0.00	0.00	0	109,519.00
R2048	On 02/05/2019	Bond Future		10.02637	89.62137		10.00075	89.83692		13.45	0.00	0.00	0	0.00
R2048	On 01/08/2019	Bond Future		10.07521	91.40806		10.04876	91.62853		13.37	0.00	0.00	0	0.00
R2048	On 28/02/2048	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R207	On 07/02/2019	Bond Future		5.69229	101.93522		5.66258	101.96188		0.41	0.00	2,140,639.62	21	17,351.00
R207	On 02/05/2019	Bond Future		5.02063	103.72736		4.98110	103.75429		0.37	0.00	0.00	0	0.00
R207	On 01/08/2019	Bond Future		3.24812	102.15234		3.18502	102.18055		0.22	0.00	0.00	0	0.00
R207	On 15/01/2020	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R207/R203	On 15/01/2020	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R208	On 07/02/2019	Bond Future		7.07758	101.85510		7.06586	101.87782		1.45	0.00	0.00	0	17,015.00
R208	On 02/05/2019	Bond Future		6.99487	100.24459		6.98175	100.26751		1.67	0.00	0.00	0	0.00
R208	On 01/08/2019	Bond Future		6.81888	102.24292		6.80321	102.26701		1.51	0.00	0.00	0	0.00
R208	On 31/03/2021	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R208/R204	On 31/03/2021	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R208/R207	On 31/03/2021	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R209	On 07/02/2019	Bond Future		9.76592	73.33264		9.74606	73.46037		12.15	0.00	0.00	0	121,807.00
R209	On 07/02/2019	Bond Future	9.04	Call	140.91000	0.14091	156.84000	0.15684	140.910	10.64	0.09	0.00	0	4,000.00
R209	On 07/02/2019	Bond Future	9.54	Call	878.43000	0.87843	934.63000	0.93463	878.430	11.44	0.36	0.00	0	4,000.00
R209	On 07/02/2019	Bond Future	10.20	Put	585.93000	0.58593	564.54000	0.56454	585.930	12.44	0.24	0.00	0	4,000.00
R209	On 02/05/2019	Bond Future		9.81797	71.47268		9.79759	71.60248		12.99	0.00	0.00	0	0.00
R209	On 02/05/2019	Bond Future	9.35	Call	1,073.91000	1.07391	1,121.11000	1.12111	1,073.910	12.03	0.31	0.00	0	760.00
R209	On 02/05/2019	Bond Future	9.95	Call	2,833.98000	2.83398	2,916.31000	2.91631	2,833.980	12.93	0.57	0.00	0	760.00
R209	On 02/05/2019	Bond Future	10.71	Put	718.64000	0.71864	700.19000	0.70019	718.640	14.23	0.19	0.00	0	760.00
R209	On 01/08/2019	Bond Future		9.86522	72.89772		9.84416	73.03061		12.86	0.00	0.00	0	0.00
R209	On 31/03/2036	Price Contribution		6.25000	6.25000		6.25000	6.25000			0.00	0.00	0	0.00
R209/R186	On 31/03/2036	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R209/R204	On 31/03/2036	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R209/R208	On 31/03/2036	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R210	On 07/02/2019	Bond Future		186.07993	186.07993		186.56361	186.56361			0.00	0.00	0	3,308.00
R210	On 02/05/2019	Bond Future		186.83652	186.83652		187.32840	187.32840			0.00	0.00	0	0.00
R210	On 01/08/2019	Bond Future		190.60326	190.60326		191.10645	191.10645			0.00	0.00	0	0.00
R210	On 31/03/2028	Price Contribution		100.00000	100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R212	On 07/02/2019	Bond Future		155.69891	155.69891		155.53562	155.53562			0.00	0.00	0	4,976.00

Contract Details	Strike	Call / Put	MTM	Yield	Mark Price	Spot Rate	Previous MTM	Previous Price	Premium On Option	Volatility	Delta	Delta Value	Contracts Traded	Open Interest
R212	On 02/05/2019	Bond Future	158.47073		158.47073		158.30423	158.30423			0.00	0.00	0	0.00
R212	On 01/08/2019	Bond Future	161.59421		161.59421		161.42546	161.42546			0.00	0.00	0	0.00
R212	On 31/01/2022	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R213	On 07/02/2019	Bond Future	9.59320		84.89693		9.56820	85.05091		9.93	0.00	0.00	0	32,397.00
R213	On 02/05/2019	Bond Future	9.64862		82.83984		9.62285	82.99641		10.59	0.00	0.00	0	0.00
R213	On 01/08/2019	Bond Future	9.69893		84.49117		9.67217	84.65143		10.42	0.00	0.00	0	0.00
R213	On 28/02/2031	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R213/R186	On 28/02/2031	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R214	On 07/02/2019	Bond Future	9.95871		72.30218		9.93377	72.46813		12.93	0.00	0.00	0	29,831.00
R214	On 02/05/2019	Bond Future	10.01062		70.27725		9.98504	70.44598		13.83	0.00	0.00	0	0.00
R214	On 01/08/2019	Bond Future	10.05906		71.67817		10.03266	71.85081		13.72	0.00	0.00	0	0.00
R214	On 28/02/2041	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
R214/R209	On 28/02/2041	Price Contribution	100.00000		100.00000		100.00000	100.00000			0.00	0.00	0	0.00
SGD / R	On 14/12/2018	Foreign Exchange Future	10.11340		10.11340		10.10390	10.10390		14.41	0.00	0.00	0	0.00
SGD / R	On 18/03/2019	Foreign Exchange Future	10.25430		10.25430		10.24410	10.24410		14.63	0.00	0.00	0	0.00
SGD / R	On 14/06/2019	Foreign Exchange Future	10.39020		10.39020		10.37950	10.37950		15.10	0.00	0.00	0	0.00
TRY / R	On 14/12/2018	Foreign Exchange Future	2.62600		2.62600		2.63110	2.63110		20.02	0.00	0.00	0	0.00
TRY / R	On 18/03/2019	Foreign Exchange Future	2.52120		2.52120		2.52830	2.52830		20.19	0.00	0.00	0	0.00
TRY / R	On 14/06/2019	Foreign Exchange Future	2.43200		2.43200		2.44180	2.44180		20.85	0.00	0.00	0	0.00
Total for Derivatives :												1,372,727,512.73	95,831	11 422 020.00
Grand Total:												1,372,727,512.73	95,831	11 422 020.00