



NATIONAL BUREAU OF STATISTICS



**THE FEDERAL REPUBLIC
OF NIGERIA**



4th Quarter 2012 & 1st Quarter 2013 Job Creation Survey: A Collaborative Survey
between the National Bureau of Statistics, the Office of the Chief Economic Adviser
to the President, Federal Ministry of Labour & Productivity, and National Directorate
for Employment

October 2013
Highlights

Summary Findings of the Quarterly Job Creation (Fourth Quarter 2012 and First Quarter 2013)

Background:

This Statistical Bulletin contains the latest estimates for jobs created in the Nigerian economy for the Fourth Quarter 2012 and the First Quarter 2013. These estimates are the results of the Quarterly Job Creation Survey commissioned by the National Bureau of Statistics (NBS) in collaboration with the Office of the Chief Economic Adviser to the President, National Planning Commission and the Federal Ministry of Labour & Productivity. Employment generation being one of the pillars of the present administration's Transformation Agenda, the objective of the quarterly survey is to track the number of jobs being created in the economy within a given period of time, provide multi-sectoral and policy relevant data on the employment-generating sectors, seasonality in employment and the labour market.

The findings are categorised into Formal sector jobs, Informal sector and Public sector jobs. Formal jobs refer to employment generated in establishments that employ 10 persons and above, or formal professional services that employ less than 10 persons. The Informal jobs are those generated by individuals or businesses employing less than 10 or those businesses operating with little or no structures e.g. those in Agriculture and Wholesale and Retail Trade. While The Public Institutions are the Government Ministries, Departments, Agencies (MDAs), Government Parastatals, Academic and Research Institutions at Federal, State and Local government levels.

The Quarterly Job Creation survey is a nationwide survey, covering all 36 states of the federation including the Federal Capital Territory (FCT). A comprehensive sample of 5000 establishments was taken across the country covering all sectors of the economy. This round of the survey, for which estimates are being reported in this bulletin, achieved an unprecedented 92.3 percent response rate from the establishments selected in the sample. This is highly commendable and is a reflection of not just the advocacy strategy adopted by NBS but also the realization by data providers of their critical role in the data production process to aid evidence based and informed policy making.

The following highlights the key findings from the surveys conducted in the fourth quarter of 2012 and the first quarter of 2013.

Main Findings:

Overall Employment Generation

The results of the survey showed that the Nigerian economy generated 385,913 jobs in the 4th Quarter of 2012 and 431,021 jobs in the 1st Quarter of 2013, showing an increase of 11.69% between the two quarters. A breakdown of job created in the 4th Quarter of 2012 indicates that 152,018 jobs were created in the Formal sector, 208,920 jobs in the Informal sector and 24,975 in the Public sector. The Formal sector contributed 174,326 jobs to the total jobs generated in the 1st Quarter of 2013, while the Informal and Public sectors generated 232,327 and 24,368 jobs respectively.

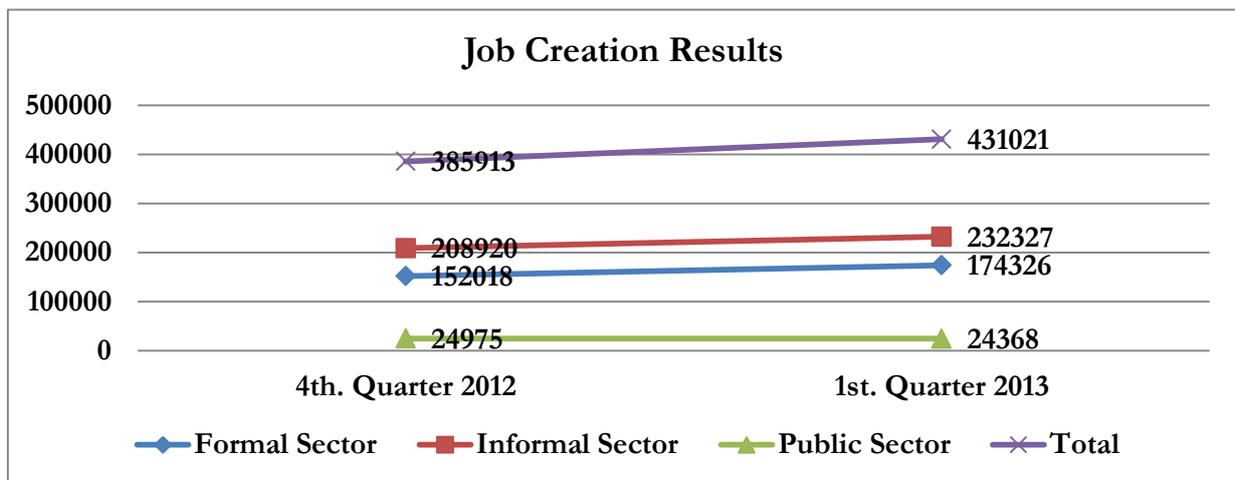


Fig.1

The informal sector generated one third more jobs than the formal sector in the same first quarter 2013. However, the formal sector shows the greatest increase between the two quarters of 14.68% more jobs created than in the fourth quarter of 2012. Job creation in the Public sector is the only area to exhibit a decline from the fourth quarter of 2012 to the first of 2013, of 2.43%.

Analysis of Formal Sector Job Created

Analysis of the formal jobs created shows the Education sector provided the most jobs in both quarters, making up 50.35% of new jobs in the fourth quarter 2012 and 39.49% in the first quarter 2013. Financial Intermediation contributed the second largest portion of 15.9% of jobs created in the fourth quarter of 2012, increasing by a further 6.60% points to 22.51% in the first quarter of 2013. Mining and quarrying generated the least employment of the industrial sectors, constituting just 0.14% and 0.11% of all jobs created in the last quarter 2012 and the first of 2013 respectively. The fastest growth in job creation comes from the Wholesale and Retail Trade Sector, with 100.9% increase in job creation between the two quarters. Substantial increases in the number of formal jobs created also can be found in Real Estate, Renting and Business Activities, with 66.6% increase,

Manufacturing with a 63.2% increase and Financial Intermediation, with a 62.3% increase in jobs created. Only two sectors witnessed a decline in job creation between the two quarters. Firstly, mining and quarrying which created 10.9% fewer jobs than in the previous quarter. Secondly in the Education sector, which was not able to sustain its high rate of job creation, witnessing a 15.86% point decline in the number of jobs created relative to the fourth quarter of 2012.

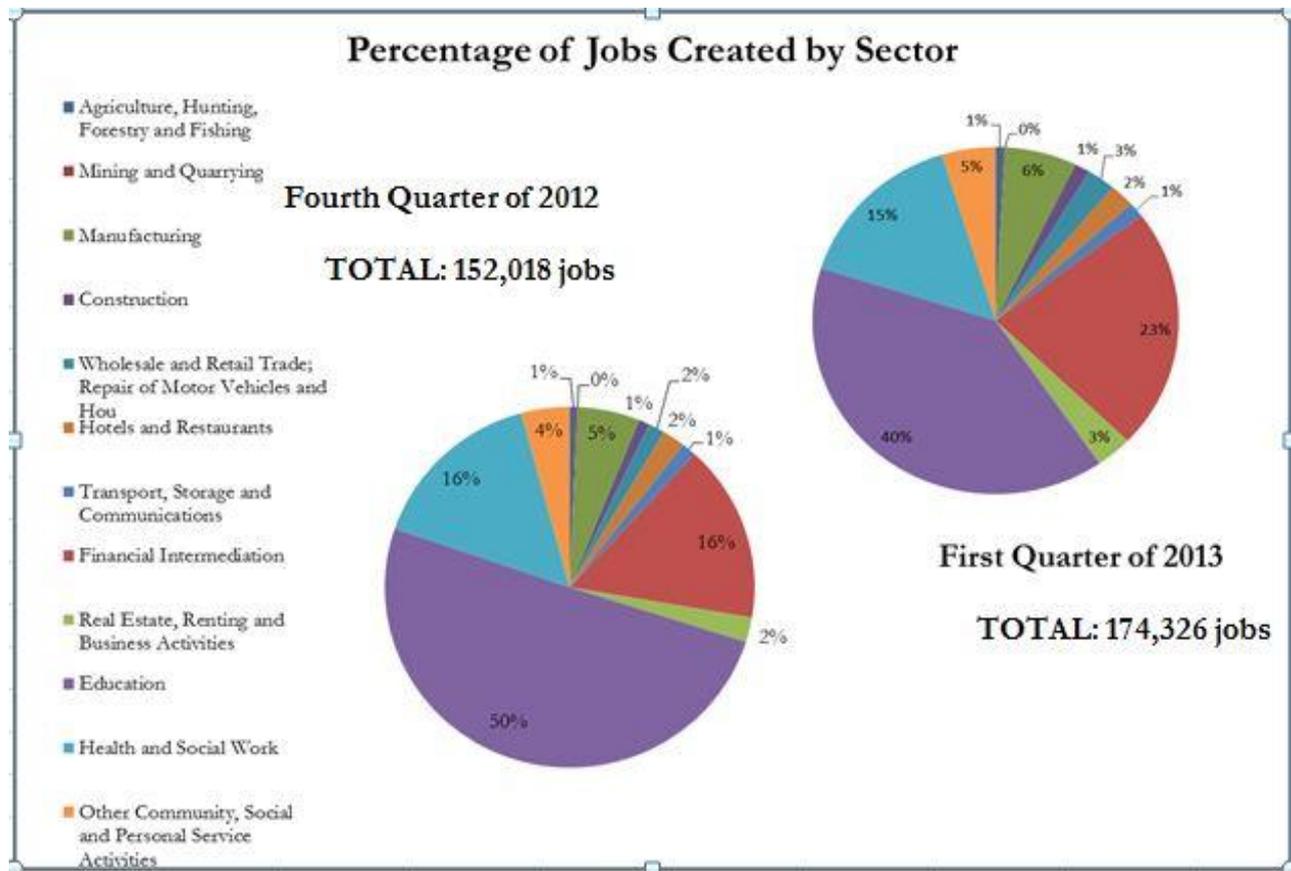


Fig. 2

Reasons Cited for Jobs Created

The most cited reason for new employment is 'Other' which has a share of 11.36 and 11.46 in Q4 2012 and Q1 2013 respectively. However, reasons for employment are fairly equally distributed over the two periods, with each category retaining a 10-11% share of responses; there is a less than 1% point change in between categories across the two periods even when looking at individual sectors. However, although small, some changes are notable. For instance, the greatest increase of 0.80% comes from the promotion of the occupant of the position, which eludes towards an expansion of managerial positions and an upward mobility within the workplace. Secondly there is a 0.54% increase in job creation due to a new skill being required in the office, showing an increase in the technical requirements of businesses.

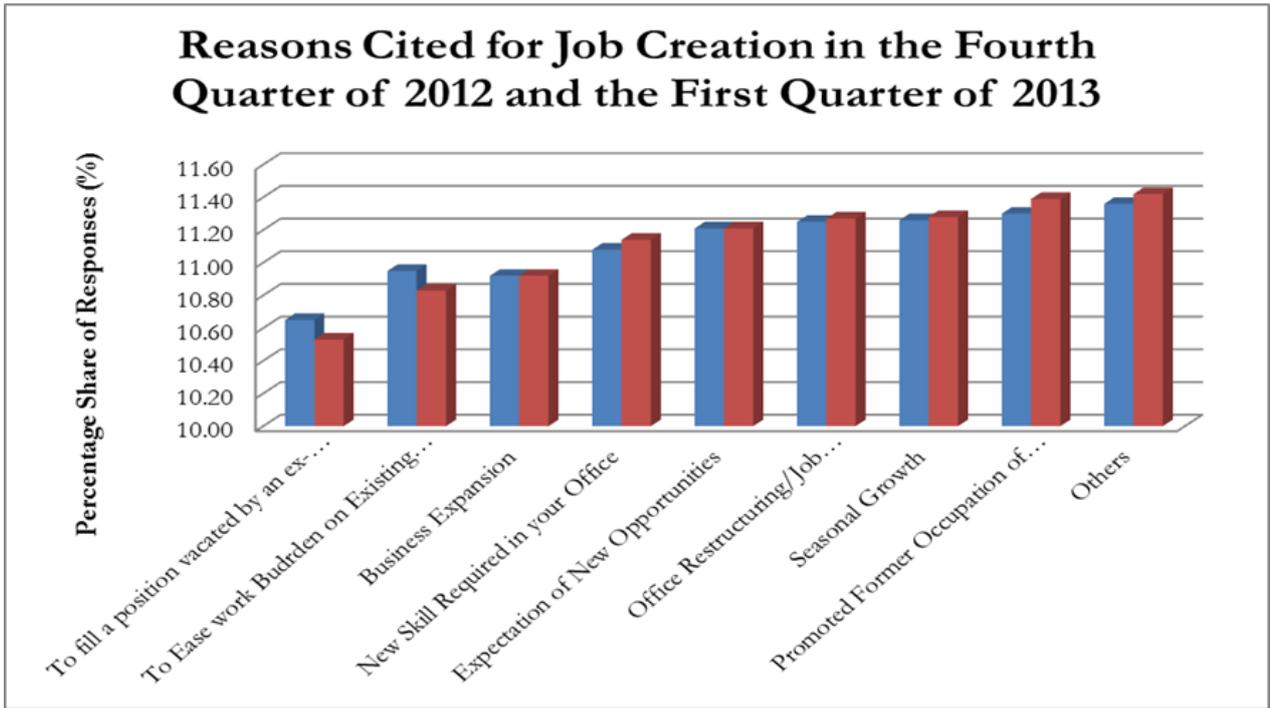


Fig. 3

Full and Part Time Employment

In Q4 of 2012, 119,905 full time formal jobs created compared to 145,032 jobs in Q1 of 2013 indicating an increase of 20.96% in full time employment between the two quarters. On the other hand, part time employment 29,293 jobs, which is a 9.62% decline on the Q4 2012 number of 32,112. The top three sectors that produced the highest numbers of fulltime jobs in Q4 2012 were Education, followed by Financial Intermediation and then Health and Social Work. In Q1 of 2013, the same sectors maintained the top three positions for generating fulltime jobs. This is indicative of the huge investment of resources in these sectors, particularly in the Education and Health sectors.

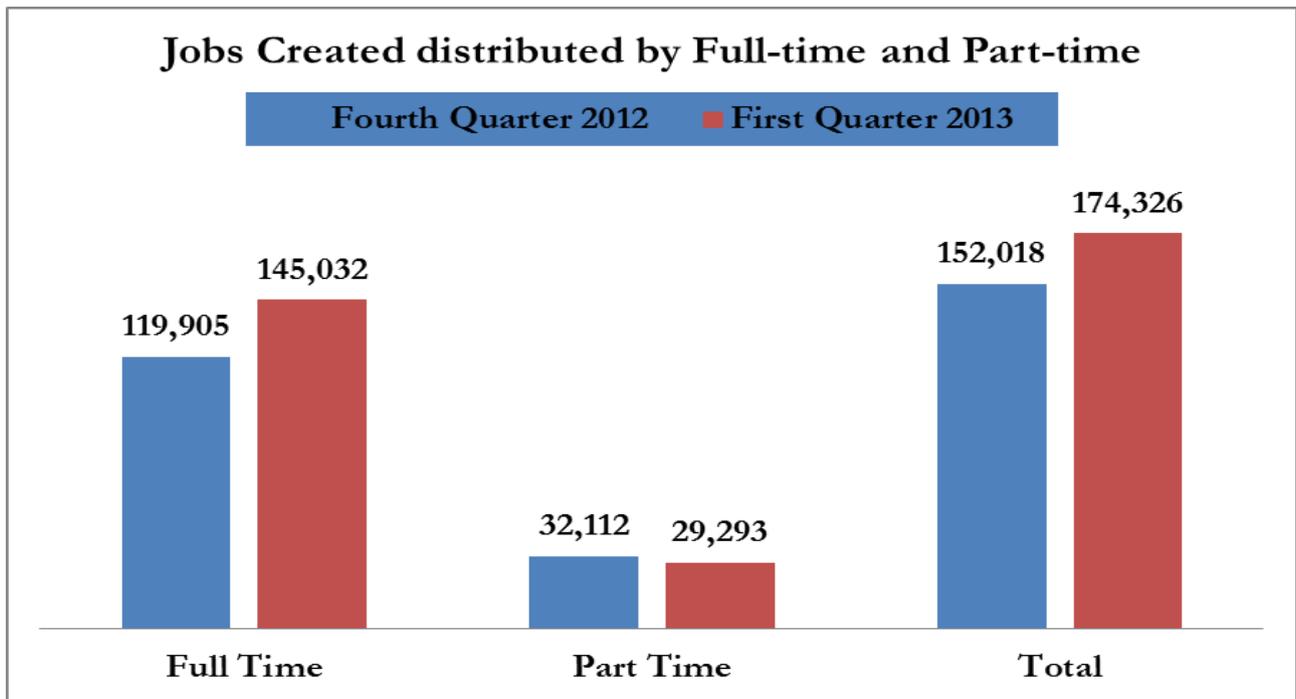
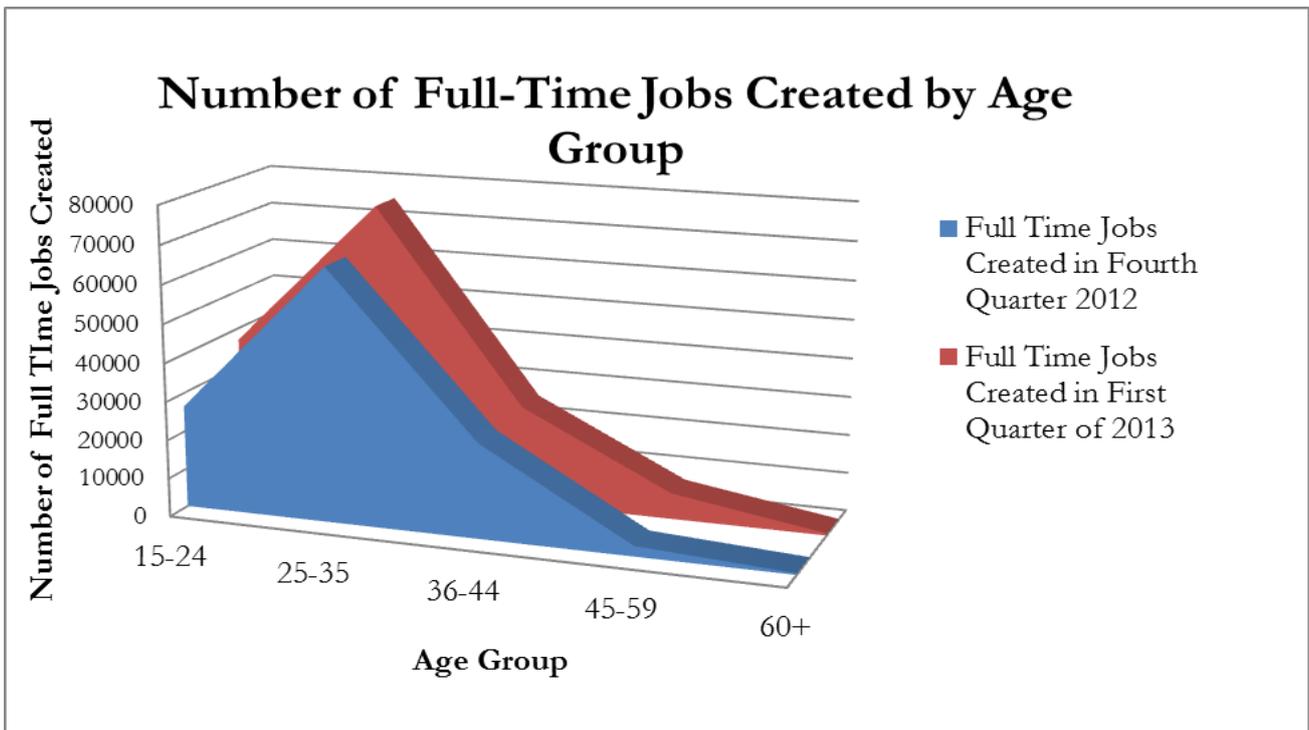


Fig. 4

Overall part time employment declined by 9.62% between the two quarters. Like full time jobs created, Education makes up the largest share of part time in both Q4 of 2012 at 65.47% of all part time jobs created, and 53.56% in Q1 2013. The second largest sector is other community and personal with an 18.88% share of new employment in Q4 2012 and 26.74% in Q1 2013. Here the largest increase of 86.09% between the two quarters comes from manufacturing, this time contributing a substantial increase of 7.47% of all new part time jobs.

Further disaggregation of full-time jobs by age Group showed that in both quarters the majority of full time jobs were created in the age group 25-35, with 54.75% of new jobs created in this category in Q4 of 2012, declining by 2.87% points to 51.88% in Q1 2013. This is followed by the 15-25 age group, which holds 22.17% of new jobs created in Q4 2012. Further, of all age groups, this sector increases by the largest amount of 3.30% points, to hold 25.47% of all new full time jobs created in Q1 2013. This large share of new jobs taken up by people of ages 15-35 is reflecting of the mild successes being achieved in the government youth employment policy through various interventions such as YouWin which is targeted at the youths. Although only constituting 4.64% of jobs, the age category of 45-59 showed over a 100% increase from the 2.26% of new jobs that the age category held in Q4 2012.

The following figure shows a graphical representation of full time jobs distributed by age group for both Q4 2012 and Q1 2013.



Jobs Generated by Staff Cadre

The most common cadre in both quarters is that of Managerial, Professional and Technical Workers, comprising 41.39% of all new jobs in Q4 2012 and 52.88% in Q1 2013. This cadre also demonstrated the largest increase of 11.49% points. The Clerical and office workers cadre holds the second largest portion, with 31.35% of all new jobs created in Q4 2012. However, this also shows the greatest decline in Q1 of 2013, holding just an 11.44% share in this quarter. Subsequently, in Q1 of 2013 the second largest cadre is 'other', increasing by 6.24 percentage points from the previous quarter to hold an 11.83% share of all new jobs created. The smallest share according to cadre is that of Consultants, which holds less than 1% share in both quarters.

Gender Ratio

Women fill 53% of jobs created in both the fourth quarter of 2012 and the first of 2013. However this gender equality is not maintained across all sectors; industries that employ a large male majority are Construction, Agriculture and Manufacturing, with 97.00%, 84.22% and 83.39% male workforce respectively in Q4 2012. Similarly industrial sectors with a large female majority are Health and Social Work and Other Community, Social and Personal Service Activities with a 91.58% and 95.71% portion of female employees respectively. The largest change in gender ratio between the two quarters is in agriculture, with a 12.5 % point increase in the portion of women employed.

Appendix

Table 1:

Job Creation Survey Results (4th Quarter 2012 & 1st Quarter 2013)		
Sectors	4th. Quarter 2012	1st. Quarter 2013
Formal Sector	152,018	174,326
Informal Sector	208,920	232,327
Public Sector	24,975	24,368
Total	385,913	431,021

Table 2:

Job Creation Results 4th Quarter 2012 by Gender (Formal Sector)										
Sector	Full Time		Part Time		TOTAL				All Total	% All Total
	Male	Female	Male	Female	Male	%	Female	%		
Agriculture, Hunting, Forestry and Fishing	420	78	319	61	740	84.22	139	15.78	878	0.58
Mining and Quarrying	42	10	73	91	115	53.11	101	46.89	216	0.14
Manufacturing	5,853	1,209	1,016	160	6,869	83.39	1,369	16.61	8,238	5.42
Construction	1,334	33	57	10	1,391	97.00	43	3.00	1,434	0.94
Wholesale and Retail Trade; Repair of Motor Vehicles and Household Goods	1,096	651	368	88	1,464	66.45	739	33.55	2,203	1.45
Hotels and Restaurants	1,389	1,324	170	142	1,559	51.55	1,465	48.45	3,025	1.99
Transport, Storage and Communications	1,388	269	263	30	1,652	84.66	299	15.34	1,951	1.28
Financial Intermediation	11,752	11,476	363	583	12,115	50.12	12,059	49.88	24,175	15.90
Real Estate, Renting and Business Activities	1,759	1,190	242	169	2,000	59.55	1,359	40.45	3,359	2.21
Education	27,767	27,755	12,945	8,080	40,712	53.19	35,835	46.81	76,547	50.35
Health and Social Work	1,709	21,022	274	549	1,982	8.42	21,570	91.58	23,552	15.49
Other Community, Social and Personal Service Activities	271	108	5	6,056	277	4.29	6,164	95.71	6,441	4.24
TOTAL	54,782	65,124	16,094	16,018	70,876	46.62	81,142	53.38	152,018	100.00

Table 3.

Job Creation Results 1st Quarter 2013 by Gender (Formal Sector)										
Sector	Full Time		Part Time		TOTAL				All Total	% All Total
	Male	Female	Male	Female	Male	%	Female	%		
Agriculture, Hunting, Forestry and Fishing	696	337	214	21	910	71.72	359	28.28	1,269	0.73
Mining and Quarrying	92	27	50	23	143	74.04	50	25.96	193	0.11
Manufacturing	7,104	1,789	1,614	574	8,718	78.68	2,363	21.32	11,080	6.36
Construction	2,200	60	81	0	2,281	97.46	60	2.54	2,341	1.34
Wholesale and Retail Trade; Repair of Motor Vehicles and Household Goods	2,732	1,350	288	56	3,019	68.23	1,406	31.77	4,425	2.54
Hotels and Restaurants	1,614	1,900	177	155	1,790	46.56	2,055	53.44	3,845	2.21
Transport, Storage and Communications	1,648	589	162	10	1,810	75.14	599	24.86	2,409	1.38
Financial Intermediation	18,872	19,555	369	445	19,241	49.03	20,000	50.97	39,241	22.51
Real Estate, Renting and Business Activities	2,922	1,964	394	316	3,316	59.25	2,281	40.75	5,597	3.21
Education	27,263	25,887	9,844	5,844	37,107	53.91	31,731	46.09	68,838	39.49
Health and Social Work	2,678	23,326	307	516	2,985	11.13	23,842	88.87	26,827	15.39
Other Community, Social and Personal Service Activities	275	153	15	7,818	290	3.51	7,972	96.49	8,262	4.74
TOTAL	68,096	76,937	13,515	15,778	81,611	46.82	92,715	53.18	174,326	100.00

Table 4

Survey Response Rate			
SECTOR	Number Expected	Number Responded	Percentage Responded (%)
Agriculture, Hunting, Forestry and Fishing	500	383	76.6
Mining and Quarrying	43	42	97.7
Manufacturing	862	838	97.2
Building and Construction	66	66	100.0
Wholesale and Retail Trade; Repair of Motor Vehicles and Household Goods	613	613	100.0
Hotels and Restaurants	369	369	100.0
Transport, Storage and Communications	131	129	98.5
Financial Intermediation	464	363	78.2
Real Estate, Renting and Business Activities	604	543	89.9
Education	276	214	77.5
Health and Social Work	961	944	98.2
Other Community, Social and Personal Service Activities	111	111	100.0
Total	5,000	4,615	92.3

Table 5

Job Creation by Sector Share : Formal Sector				
Sectors	Qtr 4 2012	Sector Share (Q4 2012)	Qtr 1 2013	Sector Share (Q1 2013)
Agriculture, Hunting, Forestry and Fishing	878	0.58%	1,269	0.73%
Mining and Quarrying	216	0.14%	193	0.11%
Manufacturing	8,238	5.42%	11,080	6.36%
Construction	1,434	0.94%	2,341	1.34%
Wholesale and Retail Trade; Repair of Motor Vehicles and Hou	2,203	1.45%	4,425	2.54%
Hotels and Restaurants	3,025	1.99%	3,845	2.21%
Transport, Storage and Communications	1,951	1.28%	2,409	1.38%
Financial Intermediation	24,175	15.90%	39,241	22.51%
Real Estate, Renting and Business Activities	3,359	2.21%	5,597	3.21%
Education	76,547	50.35%	68,838	39.49%
Health and Social Work	23,552	15.49%	26,827	15.39%
Other Community, Social and Personal Service Activities	6,441	4.24%	8,262	4.74%
TOTAL	152,018	100.00%	174,326	100.00%

Table 6

Reasons for Hiring 4th Quarter 2012 & 1st Quarter 2013		
Reasons	4th Quarter 2012 (%)	1st Quarter 2013 (%)
To fill a position vacated by an ex-employee	10.65	10.53
To Ease work Budrden on Existing Staff	10.95	10.83
Business Expansion	10.92	10.92
New Skill Required in your Office	11.08	11.14
Expectation of New Opportunities	11.21	11.21
Office Restructuring/Job Reclassification	11.25	11.27
Seasonal Growth	11.26	11.28
Promoted Former Occupation of Position	11.30	11.39
Others	11.36	11.42

Table 7

Jobs Created by Staff Cadre 4th Quarter 2012									
Staff Cadre	Full Time		Part Time		TOTAL			%	All Total
	Male	Female	Male	Female	Male	%	Female		
Managerial, Professional and Technical Workers	20,339	29,768	6,334	6,474	26,672	42.39	36,242	57.61	62,914
Clerical and Related Office Workers	16,974	20,369	6,187	4,121	23,160	48.60	24,490	51.40	47,650
Working Proprietors and Active partners	3,484	3,389	399	378	3,884	50.76	3,767	49.24	7,650
Operatives	8,997	7,667	1,112	276	10,109	56.00	7,943	44.00	18,052
Apprentices	2,438	1,995	589	327	3,027	56.58	2,323	43.42	5,350
Consultants	585	353	98	20	683	64.68	373	35.32	1,056
Unpaid Workers	315	66	320	150	635	74.62	216	25.38	851
Others	1,649	1,516	1,056	4,273	2,705	31.85	5,788	68.15	8,494
Total	54,782	65,124	16,094	16,018	70,876	46.62	81,142	53.38	152,018

Table 8

Jobs Created by Staff Cadre 1st Quarter 2013									
Staff Cadre	Full Time		Part Time		TOTAL			%	All Total
	Male	Female	Male	Female	Male	%	Female		
Working Proprietors and active partners	2,198	3,686	96	199	2,295	37.13	3,885	62.87	6,180
Managerial, Professional and Technical Workers	24,117	55,913	8,912	3,235	33,030	35.83	59,148	64.17	92,178
Clerical and Related Office Workers	9,714	7,993	711	1,533	10,425	52.25	9,526	47.75	19,951
Consultants	428	498	154	105	582	49.10	603	50.90	1,185
Apprentices	3,214	1,507	458	8,075	3,672	27.70	9,582	72.30	13,254
Operatives	10,382	5,885	1,154	1,307	11,536	61.60	7,192	38.40	18,727
Unpaid Workers	1,059	373	530	273	1,590	71.10	646	28.90	2,236
Others	16,984	1,082	1,499	1,051	18,483	89.65	2,133	10.35	20,615
TOTAL	68,096	76,937	13,515	15,778	81,611	46.82	92,715	53.18	174,326

Table 9: Jobs Created in Q4 2012 by Occupation (Formal Sector)

ISCO CODE	Full Time			Part Time			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Non-commissioned Armed forces officer	1,068	113	1,181	23	54	77	1,091	167	1,258
Managing directors and chief executives	416	133	549	9	9	18	425	142	567
Business services and administration managers	1,507	498	2,005	50	0	50	1,557	498	2,055
Sales, marketing and development managers	714	620	1,334	152	210	362	866	830	1,696
Production managers in agriculture, forestry and fisheries	712	3,370	4,082	0	0	0	712	3,370	4,082
Manufacturing, mining, construction, and distribution managers	429	18	447	15	0	15	444	18	462
Information and communications technology service managers	63		63			0	63	0	63
Professional services managers	207	146	353	0	0	0	207	146	353
Hotel and restaurant managers	138	195	333	0	0	0	138	195	333
Retail and wholesale trade managers	665	421	1,086	0	0	0	665	421	1,086
Other services managers	551	536	1,087	0	0	0	551	536	1,087
Physical and earth science professionals	36		36	74		74	110	0	110
Engineering professionals (excluding electro technology)	423	34	457			0	423	34	457
Architects, planners, surveyors and designers	102	28	130	46	0	46	148	28	176
Medical doctors	2,587	688	3,275	455	231	686	3,042	919	3,961
Nursing and midwifery professionals	2,214	15,345	17,559	124	121	245	2,338	15,466	17,804
Traditional and complementary medicine professionals	24	149	173	24	24	48	48	173	221
Paramedical practitioners		31	31			0	0	31	31

Veterinarians	28	55	83	0	0	0	28	55	83
Other health professionals	2,028	3,056	5,084	259	199	458	2,287	3,255	5,542
University and higher education teachers	1,277	489	1,766	775	69	844	2,052	558	2,610
Vocational educational teachers	29	0	29	33	0	33	62	0	62
Secondary education teachers	2,008	916	2,924	376	281	657	2,384	1,197	3,581
Primary school and early childhood teachers	650	960	1,610	124	48	172	774	1,008	1,782
Other teaching professionals	718	749	1,467	272	95	367	990	844	1,834
Finance professional	2,212	527	2,739	252	12	264	2,464	539	3,003
Administration professionals	311	289	600	0	0	0	311	289	600
Sales, marketing and public relations professionals	475	449	924	83	0	83	558	449	1,007
Software and applications developers and analysis	49	0	49	0	2	2	49	2	51
Database and network professionals	52	39	91	0	0	0	52	39	91
Legal professionals	354	107	461	60	69	129	414	176	590
Librarians archivists and curators	48	24	72			0	48	24	72
Physical and engineering science technicians	518	24	542	7		7	525	24	549
Mining, Manufacturing and construction supervisors	301	0	301	0	0	0	301	0	301
Process control technicians	351	58	409	0	0	0	351	58	409
Life science technicians and related associate professionals	48		48			0	48	0	48
Medical and pharmaceutical technicians	509	765	1,274	79	23	102	588	788	1,376
Nursing and midwifery associate professionals	111	2,037	2,148	24	94	118	135	2,131	2,266
Traditional and complementary medicine associate professionals	120		120			0	120	0	120
Veterinary technicians and assistants	57	54	111	21		21	78	54	132

Other health associate professionals	919	856	1,775	0	0	0	919	856	1,775
Financial and mathematical associate professionals	227	64	291	0	0	0	227	64	291
Sales and purchasing agents and brokers	7	28	35			0	7	28	35
Business services agents	72	0	72	0	0	0	72	0	72
Administrative and specialized secretaries	153	224	377	28	0	28	181	224	405
Legal, social and religious associate professionals	180	384	564	1	0	1	181	384	565
Information and communications technology operations and use	335	38	373	0	24	24	335	62	397
General office clerks	334	2,205	2,539	182	308	490	516	2,513	3,029
Secretaries (general)	261	539	800	322	0	322	583	539	1,122
Keyboard operators	167	385	552	0	1	1	167	386	553
Tellers, money collectors and related clerks	248	321	569	21	0	21	269	321	590
Client information workers	138	34	172			0	138	34	172
Numerical clerks	210	154	364	50	26	76	260	180	440
Material-recording and transport clerks	487	6,208	6,695	218	40	258	705	6,248	6,953
Travel attendants, conductors and guides	1,022	72	1,094	0	0	0	1,022	72	1,094
Cooks	528	540	1,068	0	0	0	528	540	1,068
Waiters and bartenders	352	839	1,191	0	0	0	352	839	1,191
Hairdressers, beauticians and related workers	260	108	368	30	0	30	290	108	398
Building and housekeeping supervisors	466	111	577	0	0	0	466	111	577
Other personal services workers	984	521	1,505	118	82	200	1,102	603	1,705
Street and market salespersons	785	858	1,643	144	0	144	929	858	1,787
Shop salespersons	597	510	1,107	336	16	352	933	526	1,459
Cashiers and ticket clerks	250	187	437	56	0	56	306	187	493
Other sales workers	813	2,947	3,760	321	28	349	1,134	2,975	4,109
Child care workers and teachers' aides	28	168	196	0	0	0	28	168	196
Personal care workers	17	65	82	0	0	0	17	65	82

in health services									
Protective services workers	974	114	1,088	59	112	171	1,033	226	1,259
Market gardeners and crop growers	116	9	125	441	0	441	557	9	566
Animal producers	176	10	186	0	0	0	176	10	186
Mixed crop and animal producers	32	52	84	18	0	18	50	52	102
Fishery workers, hunters and trappers	300	120	420	117	63	180	417	183	600
Subsistence crop farmers	8,963	52	9,015	3,060	12,946	16,006	12,023	12,998	25,021
Subsistence livestock farmers	141	27	168	0	54	54	141	81	222
Subsistence mixed crop and livestock farmers	13	27	40			0	13	27	40
Subsistence fishers, hunters, trappers and gatherers	341		341			0	341	0	341
Building frame and related trade workers	37	69	106	273	161	434	310	230	540
Building finishers and related trades workers	233		233	380		380	613	0	613
Painters, building structure cleaners and related trades workers	329	96	425	0	0	0	329	96	425
Sheet and structural metal workers, moulders and welders, an	469	32	501	360	0	360	829	32	861
Blacksmiths, toolmakers and related trades workers	69	0	69	72	0	72	141	0	141
Machinery mechanics and repairers	351	45	396	0	0	0	351	45	396
Printing trades workers	36		36	32		32	68	0	68
Electrical equipment installers and repairers	428		428	12		12	440	0	440
Food processing and related trades workers	577	9,778	10,355	17	0	17	594	9,778	10,372
Wood teeters, cabinet-makers and related trades workers	286		286			0	286	0	286
Garment and related trades workers	24	0	24	0	0	0	24	0	24
Other craft and related workers	0	0	0	24	0	24	24	0	24
Mining and mineral processing plant operators	245		245			0	245	0	245
Metal processing and finishing plant	92	0	92	0	0	0	92	0	92

operators									
Chemical and photographic products plant and machine operators	4	31	35	0	0	0	4	31	35
Rubber, plastic and paper products machine operators	119		119			0	119	0	119
Textile, fur and leather products machine operators	321		321			0	321	0	321
Food and related products machine operators	710	157	867	137	5	142	847	162	1,009
Wood processing and papermaking plant operators	14		14			0	14	0	14
Other stationary plant and machine operators	441	57	498	4,806	224	5,030	5,247	281	5,528
Locomotive engine drivers and related workers	238	0	238	21	0	21	259	0	259
Car, van and motorcycle drivers	833	88	921	0	0	0	833	88	921
Heavy truck and bus drivers	209	42	251	0	0	0	209	42	251
Mobile plant operators	10		10			0	10	0	10
Ships' deck crews and related workers	20		20	55	132	187	75	132	207
Domestic, hotel and office cleaners and helpers	417	1,424	1,841	84	12	96	501	1,436	1,937
Vehicle, window, laundry and other hand cleaning workers	344	0	344	17	0	17	361	0	361
Agricultural, forestry and fishery labourers	673	28	701	668	0	668	1,341	28	1,369
Mining and construction labourers	223	140	363	70	0	70	293	140	433
Manufacturing labourers	767	800	1,567	118	154	272	885	954	1,839
Transport and storage labourers	98		98			18	98	18	116
Food preparation assistants	133	95	228	0	0	0	133	95	228
Street and related service workers	112	41	153			0	112	41	153
Refuse workers	17	80	97	0	0	0	17	80	97
Other elementary workers	897	421	1,318	89	71	160	986	492	1,478
TOTAL	54,782	65,124	119,906	16,094	16,018	32,112	70,876	81,142	152,018

Table 10: Jobs Created by Occupation Q1 2013 (Formal Sector)

ISCOCODE	Full Time			Part Time			Total		Total
	Male	Female	Total	Male	Female	Total	Male	Female	
Non-commissioned armed forces officer	463	69	532			0	463	69	532
Managing directors and chief executives	940	211	1,151	37	0	37	977	211	1,188
Business services and administration managers	1,729	1,520	3,249	53	0	53	1,782	1,520	3,302
Sales, marketing and development managers	636	1,145	1,781	273	314	587	909	1,459	2,368
Production managers in agriculture, forestry and fisheries	677	1,038	1,715	141	0	141	818	1,038	1,856
Manufacturing, mining, construction, and distribution manage	350	0	350	72	0	72	422	0	422
Information and communications technology service managers	16		16			0	16	0	16
Professional services managers	122	138	260	24	0	24	146	138	284
Hotel and restaurant managers	202	218	420	0	0	0	202	218	420
Retail and wholesale trade managers	108	148	256			0	108	148	256
Other services managers	358	460	818	16	72	88	374	532	906
Physical and earth science professionals	60		60	74		74	134	0	134
Mathematicians, actuaries and statisticians	30	5	35			0	30	5	35
Engineering professionals (excluding electro technology)	144		144			0	144	0	144
Electro technology engineers	47	0	47	0	0	0	47	0	47
Architects, planners, surveyors and designers	620	73	693	99	32	131	719	105	824

Medical doctors	1,258	539	1,797	387	71	458	1,645	610	2,255
Nursing and midwifery professionals	1,462	6,381	7,843	24	1,476	1,500	1,486	7,857	9,343
Traditional and complementary medicine professionals	66	42	108			0	66	42	108
Paramedical practitioners	31	252	283	11	16	27	42	268	310
Veterinarians	109	116	225	0	0	0	109	116	225
Other health professionals	1,333	1,989	3,322	510	72	582	1,843	2,061	3,904
University and higher education teachers	1,292	1,319	2,611	368	1,700	2,068	1,660	3,019	4,679
Vocational educational teachers	89	90	179	0	0	0	89	90	179
Secondary education teachers	1,121	1,293	2,414	302	182	484	1,423	1,475	2,898
Primary school and early childhood teachers	376	609	985	78	28	106	454	637	1,091
Other teaching professionals	869	501	1,370	310	1,122	1,432	1,179	1,623	2,802
Finance professional	1,202	571	1,773	220	46	266	1,422	617	2,039
Administration professionals	1,909	644	2,553	256	0	256	2,165	644	2,809
Sales, marketing and public relations professionals	833	29,174	30,007	104	0	104	937	29,174	30,111
Software and applications developers and analysis	197	121	318	30	29	59	227	150	377
Database and network professionals	517	641	1,158	48		48	565	641	1,206
Legal professionals	168	104	272	46	60	106	214	164	378
Librarians archivists and curators	56	24	80			0	56	24	80
Physical and engineering science technicians	967	24	991	95		95	1,062	24	1,086
Mining, Manufacturing and construction supervisors	226	0	226	21	0	21	247	0	247
Process control technicians	237	112	349	60	0	60	297	112	409
Ship and aircraft controllers and technicians		30	30	11	55	66	11	85	96

Medical and pharmaceutical technicians	463	433	896	12	23	35	475	456	931
Nursing and midwifery associate professionals	138	1,767	1,905	0	84	84	138	1,851	1,989
Veterinary technicians and assistants	21	31	52			0	21	31	52
Other health associate professionals	496	939	1,435	269	112	381	765	1,051	1,816
Financial and mathematical associate professionals	68	57	125	28		28	96	57	153
Sales and purchasing agents and brokers	103	12	115	252		252	355	12	367
Business services agents	432	405	837	48	16	64	480	421	901
Administrative and specialized secretaries	366	249	615	0	0	0	366	249	615
Legal, social and religious associate professionals	298	312	610	0	0	0	298	312	610
Information and communications technology operations and use	332	234	566	37		37	369	234	603
Telecommunications and broadcasting technicians	26	24	50			0	26	24	50
General office clerks	1,007	2,077	3,084	171	42	213	1,178	2,119	3,297
Secretaries (general)	686	1,042	1,728	198	90	288	884	1,132	2,016
Keyboard operators	258	240	498	24	1	25	282	241	523
Tellers, money collectors and related clerks	432	428	860	0	0	0	432	428	860
Client information workers	274	298	572	79	60	139	353	358	711
Numerical clerks	285	208	493	130	26	156	415	234	649
Material-recording and transport clerks	1,670	1,995	3,665	669	290	959	2,339	2,285	4,624
Travel attendants, conductors and guides	338	110	448	0	0	0	338	110	448
Cooks	577	799	1,376	0	117	117	577	916	1,493
Waiters and bartenders	499	744	1,243	0	69	69	499	813	1,312
Hairdressers, beauticians and related workers	48	373	421	0	0	0	48	373	421
Building and housekeeping	399	356	755	0	7	7	399	363	762

supervisors									
Other personal services workers	1,748	678	2,426	276	0	276	2,024	678	2,702
Street and market salespersons	1,125	1,173	2,298	500	98	598	1,625	1,271	2,896
Shop salespersons	707	673	1,380	360	32	392	1,067	705	1,772
Cashiers and ticket clerks	1,993	570	2,563	0	0	0	1,993	570	2,563
Other sales workers	1,089	1,291	2,380	421	333	754	1,510	1,624	3,134
Child care workers and teachers' aides	544	488	1,032			0	544	488	1,032
Personal care workers in health services	118	87	205	0	0	0	118	87	205
Protective services workers	298	139	437	416	99	515	714	238	952
Market gardeners and crop growers	1,132	404	1,536	692	12	704	1,824	416	2,240
Mixed crop and animal producers	82	32	114	0	0	0	82	32	114
Fishery workers, hunters and trappers	14	0	14	45	63	108	59	63	122
Subsistence crop farmers	1,958	144	2,102	35	29	64	1,993	173	2,166
Subsistence livestock farmers	201	106	307	0	0	0	201	106	307
Subsistence mixed crop and livestock farmers	146		146			0	146	0	146
Subsistence fishers, hunters, trappers and gatherers	264		264	24	36	60	288	36	324
Building frame and related trade workers	155	99	254	272	0	272	427	99	526
Building finishers and related trades workers	481	120	601	581	23	604	1,062	143	1,205
Painters, building structure cleaners and related trades workers	205	22	227			0	205	22	227
Sheet and structural metal workers, moulders and welders, an	1,020	61	1,081	396	0	396	1,416	61	1,477
Blacksmiths, toolmakers and related trades workers	36	29	65	252	0	252	288	29	317
Machinery mechanics and repairers	1,123	66	1,189	72	0	72	1,195	66	1,261
Handicraft workers			0		27	27	0	27	27
Printing trades	339	49	388	68		68	407	49	456

workers									
Electrical equipment installers and repairers	342		342	26		26	368	0	368
Food processing and related trades workers	1,720	2,862	4,582	17	0	17	1,737	2,862	4,599
Wood teters, cabinet-makers and related trades workers	1,426		1,426			0	1,426	0	1,426
Garment and related trades workers	241	24	265	0	0	0	241	24	265
Other craft and related workers	29	0	29	0	87	87	29	87	116
Mining and mineral processing plant operators	386		386			0	386	0	386
Metal processing and finishing plant operators	1,337	0	1,337	0	0	0	1,337	0	1,337
Chemical and photographic products plant and machine operators	161	60	221	0	0	0	161	60	221
Rubber, plastic and paper products machine operators	148		148	529	253	782	677	253	930
Textile, fur and leather products machine operators	302		302			0	302	0	302
Food and related products machine operators	250	163	413	20	97	117	270	260	530
Wood processing and papermaking plant operators	246	80	326			0	246	80	326
Other stationary plant and machine operators	499	11	510	165	724	889	664	735	1,399
Assemblers	94	0	94	0	0	0	94	0	94
Locomotive engine drivers and related workers	1,626	44	1,670	42	0	42	1,668	44	1,712
Car, van and motorcycle drivers	1,269	48	1,317	36	0	36	1,305	48	1,353
Heavy truck and bus drivers	481	30	511	210	0	210	691	30	721
Mobile plant operators	638	40	678			0	638	40	678
Ships' deck crews and related workers	750	60	810			0	750	60	810
Domestic, hotel and office cleaners and	1,104	2,827	3,931	218	1,193	1,411	1,322	4,020	5,342

helpers									
Vehicle, window, laundry and other hand cleaning workers	1,860	52	1,912	41	0	41	1,901	52	1,953
Agricultural, forestry and fishery labourers	1,061	294	1,355	920	40	960	1,981	334	2,315
Mining and construction labourers	328	16	344	106		106	434	16	450
Manufacturing labourers	1,113	513	8,345	725	367	1,092	1,838	880	2,718
Transport and storage labourers	89	14	103	172		172	261	14	275
Food preparation assistants	306	293	599	12	18	30	318	311	629
Street and related service workers	144	113	257		12	12	144	125	269
Refuse workers	112	61	173	228	0	228	340	61	401
Other elementary workers	5,220	367	5,587	51	6023	74	5,271	6,390	11,661
TOTAL	68,096	76,937	145,033	13,515	15,778	29,293	81,611	92,715	174,326