Explanation of results of NEC-2018 pilot survey– Findings and Learning for reviewing the Economic Census implementation

Project on capacity development for the implementation of Economic Census 2018 in Nepal

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Outline

- Revisit on pilot survey
- Inspection on micro data
- Result
- Learning for reviewing the economic census implementation
- NEC-2018 implementation plan
- Publication plan

Revisit on Pilot survey

- Coverage
  - 33 urban and 33 rural areas
  - 66 districts
- Data collection period
  - 15 April 2017 to 3 June (वैसाख १ गते देखि असार ३१ सम्म)
- No of enumerated establishment
  - Total establishment =6962
  - e-census registered = 85
  - e-census completed = 30
  - e-census partially   = 14
  - Using Tablet   = 5715
  - Using Questionnaire =1217

Inspection on micro data

Q 2-3D Flat Number/ Floor Number:

No of flat	Freq
0	401
1	1,101
2	40
3	7
4	3
25	1

Is this possible number of flat is 25????

Inspection on micro data

7-3 Country of Owner

0	**9**		
Nepal	6,550		
India	83		
Sri Lanka	1		
Malaysia	1	District 1	5
Singapore	1	District 2	1
China	2	District 3	1
Japan	13	District 4	2
United State of America	1	District 5	4
missing	301	Total	13

The reported as Japan citizen, Name of person and establishment are not seems like a Japanese.

Inspection on micro data

Q9 How many working days did this establishment have for the last one year?

Day	freq	Day	freq	Day	freq	Day	freq
0	68	72	3	200	76	268	1
1	1	74	1	204	1	269	3
2	1	75	9	205	4	270	70
3	1	76	1	206	1	273	3
4	2	80	18	207	4	275	30
5	1	84	1	209	1	276	1
7	2	85	9	210	26	278	1
8	4	87	1	211	1	280	266
9	1	88	1	212	1	281	5
10	3	90	42	214	2	282	22
11	2	92	1	215	4	283	10
12	2	95	3	220	26	285	65
13	2	98	1	221	1	286	2
14	4	100	27	222	1	287	5
15	1	105	1	223	2	288	5
17	2	110	12	224	1	289	7
18	3	112	2	225	7	290	236
20	7	115	8	226	2	292	9
24	2	120	35	228	1	293	1
25	7	121	1	230	14	294	1
28	2	124	1	233	1	295	58
30	39	125	8	234	2	296	9
33	1	128	2	235	10	297	1
35	8	130	10	236	4	298	12
36	2	134	1	237	2	299	4
37	1	135	8	238	3	300	1,041
40	4	140	15	240	59	301	11
43	1	142	1	241	1	302	31
44	1	145	1	242	1	303	3
45	14	150	58	243	2	304	12
46	1	152	1	245	10	305	220
48	2	155	1	248	3	306	3
49	1	158	1	250	134	307	6
50	29	160	11	251	2	308	10
51	1	165	6	252	1	309	4
52	5	168	2	254	2	310	236
55	10	170	13	255	11	311	2
57	1	172	1	256	1	312	18
58	1	175	8	257	2	313	4
60	43	180	50	258	2	314	5
62	1	182	1	259	2	315	115
64	3	185	3	260	42	316	1
65	7	190	11	261	1	317	19
66	1	195	3	264	2	318	3
70	12	196	3	265	26	319	1

Example of "0 or 5"
biased mistake

Inspection on micro data

Cross tabulation of Tenure of Business Place: BUILDING and Kind of Business

11-2 Kind of Business	Business Place (Building)					
Place	Own	Tenure of Rented	Lease or	Othe r	Not appli	Total
Street business	68	63	0	22	26	179
Home business (Busine	2,125	1,164	9	5	102	3,405
Business in a buildin	248	1,698	17	5	5	1,973
Business in tradition	292	572	5	17	13	899
Business in shopping	7	131	1	1	1	141
Business occupying ex	99	82	5	0	5	191
Others	33	115	1	11	14	174
Total	2,872	3,825	38	61	166	6,962

7

Inspection on micro data

18 - Does this establishment or this enterprise prepare its accounting record?

Q18	Single unit	Head office	Total
Yes	2,154	5	2,159
No	4,622	4	4,626
Total	6,776	9	6,785

Reported as Head office but no accounting system IS POSSIBLE???

Distribution of data

Q191: 19-1 Average monthly revenues/sales   Number of Observations
-- -----------------------------

| Total   Integers   Non integers
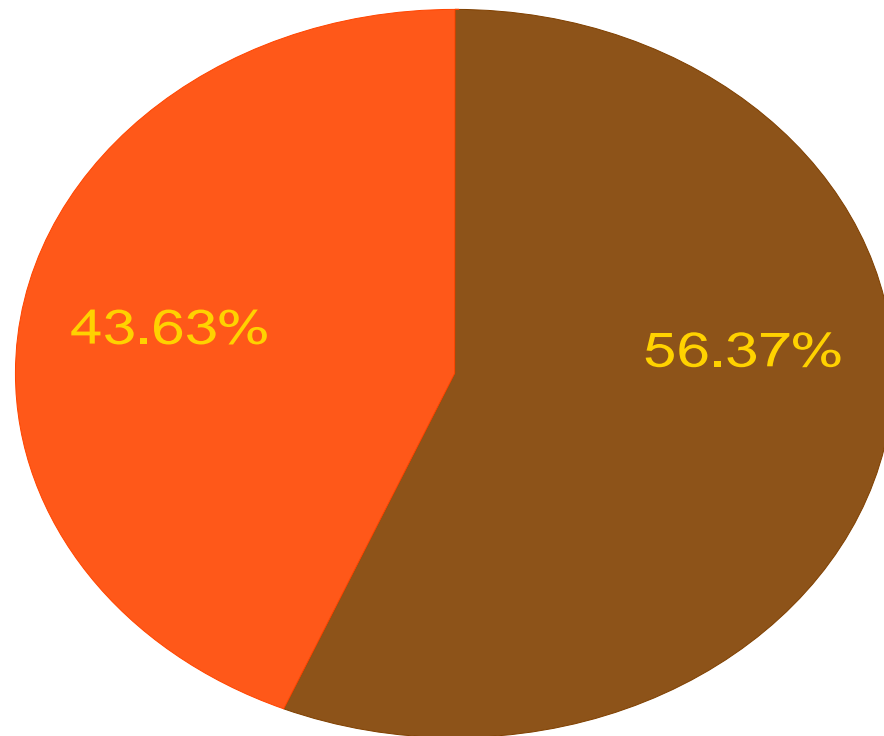| #   Negative   -   -   -
| #   Zero   41   41   -
| #   Positive   6744   6744   -
| #   -----   -----   -----
| #   Total   6785   6785   -
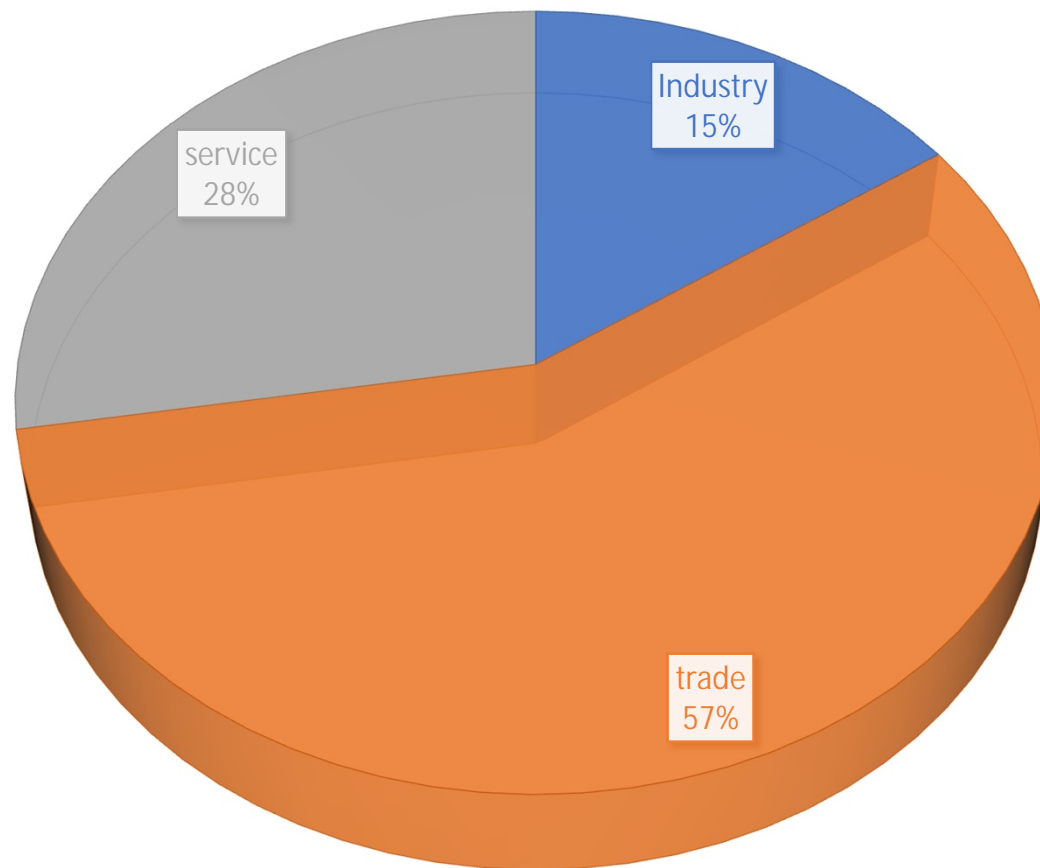| # . . . .   Missing   177
+----------------------   -----
0   1.52e+08   6962
(More than 99 unique values)

Distribution of data

```
Q192:  19-2 Average monthly expenses  in 20      Number of Observations
------------------------------------------------ -------------------------------
                                 Total   Integers   Non integers
 | #             Negative         -        -           -
 | #             Zero            50       50           -
 | #             Positive      6735     6735           -
 | #                          -----    -----       -----
 | #             Total        6785     6785           -
 | #  .  .  .  .  Missing       177
 +----------------------           -----
 0         4.45e+07                6962
(More than 99 unique values)
```

Distribution of data

income:		Number of Observations		

		Total	Integers	Nonintegers
#	Negative	236	236	-
#	Zero	104	104	-
#	Positive	6445	6445	-
#		-----	-----	-----
#	Total	6785	6785	-
#	Missing		177	
+---------------------		-----		
-2.65e+07 1.52e+08			6962	
(More than 99 unique values)				

Percent distribution of Registered or not

Registered: 56.37%
unregistered: 43.63%

DISTRIBUTION OF ESTABILSIHMENT BY MAJOR ECONOMIC ACRIVITY

Industry
15%

service
28%

trade
57%

Learning for reviewing the Economic Census implementation

Review of NEC2018 Pilot Survey

- Data was collected by both PC tablet and paper form.
- Very few respondents response information through e-Census.
  - Pilot e-Census is creating new environment toward the main census in 2018.
- CAPI (Computer Assisted Personal Interview) demands more PC tablets for data collection.
- Need to more clear on questionnaire and manual.
- Need some consistent check for economic census data entry program
- Need to more security for e-census application.

Issues and way out for Economic Census

- Establish provincial level Economic Census.
  - ➢It will be formed

- Building a separate team group for e-Census data collection for the province level.
  - ➢ Follow up mechanisms will be formed

- Separate of team group needed for to coordination within districts.
  - ➢District Census coordination Committee will be formed

- Provide PC tablets for collecting data from main markets (urban places).
  - ➢200 tablets will be used in Kathmandu and other tablets will be used in 33 Statistical Office districts.

Issues and way out for Economic Census

- Redesign Form B based on public opinion
  - ➢ Form B has been revised.
  - ➢ A stakeholder meeting was held.
- Need to more clear on questionnaire and manual.
  - ➢ It has been revised according suggestion of stakeholder and pilot census officers.
- Setting proper planning and time table for Economic Census
  - ➢ These have already been set.

Issues and way out for Economic Census

- Maintain confidentiality for data providers during the Census.
  - ➢ It will strictly be instructed to enumerators during the training.
- Use local public mass media like: FM radio, local television, and newspapers in local languages
  - ➢ we have plan for it.
- Select qualified enumerators
  - ➢ Public servants will preferentially be employed.

Issues and way out for Economic Census

- Design systematic field operation schedule.
  - ➢ These have already been set.

- Revisit or again call managers to incomplete questionnaires.
  - ➢ These will be implemented.

- Continue field supervision during the Census from the beginning.
  - ➢ It will strictly be instructed to supervisors during the training.

Issues and way out for Economic Census

- Preliminary data entry and data editing in districts.
  - ➢ This will be implemented.
- Good relationship between the statistics offices and data users
  - ➢ Central and district level a stakeholder meeting will be held.
- Sufficient incentive should be provided for enumerators during both data collection and data entry.
  - ➢ Additional incentives has been provisioned.

Issues and way out for Economic Census

- Coordination among different line agencies
  - ➢ The meetings of National Steering Committee, Census Technical Committee, and Media Campaign Committee have been held.

- Data quality control management during both field operation and data entry.
  - ➢ It will strictly be instructed to enumerators and data entry operators during the training.

- Need some consistent check for economic census data entry program
  - ➢ Mention in enumerators manual as well as review of data entry Program

- Need to more security for e-census application.
  - ➢We have already review e-census application.

NEC-2018 implementation plan and a draft of the list of publications

NEC-2018 implementation plan

SN	Activity	Duration	Proposed Date
1.	Master of Training	5 days	23 -28 Feb 2018
2.	District EC officer Training	6 days	04 - 09 March 2018
3.	District EC Supervisor Training	6 days	04 - 09 March 2018
4.	Establishment Districts Economic Census office	1 days	15 March 2018
5.	First Meeting of District coordination committee	3 days	16 -18 March 2018
6.	Preparation for the management of local supervisors and enumerators	11 days	19 -29 March 2018
7.	Proceed for appointment of local supervisor and enumerator	6 days	26 -31 March 2018

NEC-2018 implementation plan

SN	Activity	Duration	Proposed Date
8.	Establishment Local Economic Census office	3 days	01 -03 April 2018
9.	Supervisor Training	6 days	03 -08 April 2018
10.	Enumerator Training	5 days	04 - 08 April 2018
11.	Data Collection	45 days	14 April-27 May 2018
12.	Follow up for non response establishment	15 days	28 May-12 June 2018
13.	Collection all documents from Enumerator to local office (Area Census Office) or District Census Office	3 days	12 -14 June 2018
14.	Collection all documents from local office to District Census Office and closed local offices	7 days	15 -21 June 2018
15.	Collection all documents from Districts Census Office to SO and closed District Census Offices	7 days	22 – 28 June 2018

NEC-2018 implementation plan

SN	Activity	Duration	Proposed Date
16.	Data entry for Preliminary result	15 days	29 June -16 July 2018
17.	Dissemination of Preliminary result	15 days	31 July -16 August 2018

Result Publication plan

- Generally following reports will be prepared.
- Preliminary Report
  - National Report 1
    (Nepal, Province and Districts)
  - National Report 2
    (Nepal, Province, Districts, Urban and Rural Municipalities
- Final
  - National Report 1
    (Nepal, Province and Districts)
  - National Report 2
    (Nepal, Province, Districts, Urban and Rural Municipalities)

Result Publication plan

- Final Report
  - Province Report
  - Local label Indicators

- Analytical Reports
  - Some analytic reports will be published on different thematic areas