

Government of India
Data Processing Division
National Sample Survey Office
164, Gopal Lal Thakur Road, Kolkata-108

Periodic Labour Force Survey (PLFS), January 2023-December 2023
Final Multiplier-posted Unit-Level Data for Schedule- 10.4

A rider for users of unit level data of PLFS

The objective of PLFS is to estimate the employment and unemployment indicators. In PLFS information is also collected on classificatory variables like age, gender, household type, religion, social group, household's usual monthly consumer expenditure, etc. The unit level data of PLFS should not be specifically used for studying of any variable other than the employment and unemployment indicators.

A) Unit level data for Sch. 10.4 [Periodic Labour Force Survey] for January 2023-December 2023.

There are 2 data files (Household level and Person level) for **each of 4** Quarters (January 2023-December 2023). Details of data layout is given in Data_LayoutPLFS_Calendar_2023.xlsx.

| File names | No. of Records | Record Length | Remark |
|-------------------|-----------------------|----------------------|-----------------------------------|
| CHHV1.txt | 101430 | 129+1 | Household wise record for visit-1 |
| CPerV1.txt | 416332 | 333+1 | Person wise record for visit-1 |

CHHV1.txt and CPerV1.txt contain data pertaining to Visit-1 of Quarters – 7 & 8 of Panel 3(January 2023-March 2023 & April 2023-June2023), and Quarters – 1 & 2 of Panel 4(July2023-September 2023 & October 2023- December 2023).

B) Note for users:

1. For each Quarter, following values are calculated: -

NSS (3 bytes) = number of first stage units surveyed within **sector x state x stratum x substratum** for the sub-sample in a Second Stage Stratum for the Panel

NSC (3 bytes) = number of first stage units surveyed within a **sector x state x stratum x substratum** for combined sub-samples in a Second Stage Stratum for the Panel

MULT (10 bytes) = weight or multiplier (in two places of decimal) calculated at the level of Second Stage Stratum (SSS) for the Panel

For generating any estimate for the Half Yearly Panel, one has to extract relevant portion of the data and aggregate after applying the weights (i.e. multipliers).

2. Use of Sub-sample wise weights (Quarter wise multipliers)

For generating Sub-sample wise estimates for the Half Yearly Panel, FSUs of only one sub-sample are to be considered. Sub-sample code is available in the data file at 27th byte (refer to layout of data i.e., Data_LayoutPLFS_Calendar_2023.xlsx).

For generating sub-sample wise estimate for the Half Yearly Panel, weight may be applied as follows:

$$\text{Final Weight} = \text{MULT} / (\text{NO_QTR} * 100)$$

For generating combined estimate for the Half Yearly Panel (taking both the subsamples together), weights may be applied as follows:

$$\begin{aligned} \text{Final weight} &= \text{MULT} / (\text{NO_QTR} * 100) \text{ if NSS=NSC} \\ &= \text{MULT} / (\text{NO_QTR} * 200) \text{ otherwise.} \end{aligned}$$

Where NO_QTR is count of occurrences of surveyed FSUs in a sector x state x stratum x substratum.

3. **Generation of combined estimates for the entire Calendar Year:** *Simple average of the estimates of the two panels will generate estimate for the Calendar Year 2023.*
4. Common Primary Key for identification of a record for any schedule is:

| | |
|----------------------------|--|
| Quarter | =11(2) (i.e., offset 8th byte, length 2 bytes) |
| FSU Serial No. | = 32(5) |
| Hamlet group/sub-block no. | = 37(1) |
| Second Stage Stratum No. | = 38(1) |
| Sample Household No. | = 39(2) |

5. State codes along with State Names are also made available in "Data_LayoutPLFS_Calendar_2023.xlsx".

Note 1: Multipliers given in the data file are to be used for generating annual estimates for the calendar year only.

Note 2: Calendar Year estimates for January-December 2023 do not contain the data pertaining to Lakshadweep for the period Q1, Panel 4 (July-September 2023) and one FSU pertaining to Q2, Panel 4 (October - December 2023) of Lakshadweep is present in the data.
