OTHER SERVICES

Coverage

21.1   The economic activities covered under this sector are (i) Coaching and Tuition (NIC-98 codes 80903 and 80904), (ii) Education excluding Coaching and Tuition (NIC-98 code 80 (-) 80903 (-) 80904), (iii) Human health activities including veterinary activities, (iv) Sewage and refuse disposal, sanitation activities (NIC-98, code-90), (v)Activities of membership organisations (+) social work (NIC-98, Code 91+853), (vi) Recreational cultural and sporting activities (NIC-98, Code-92), (vii) Washing and cleaning of textiles and fur products (NIC-98, code-9301), (viii) Hair Dressing and other Beauty Treatment   (NIC-98,   code-9302),   (ix) Funeral and related activities (NIC,98code 9303+9309), (x) Pvt. households with employed person (NIC-98, code-95), (xi) Custom Tailoring (NIC-98, Code-18105), and (xii) Extra Territorial organisations and Bodies (NIC-98, Code 99).

Sources of Data

21.2   The sources of data include:
(i) Employment and Unemployment survey data of NSS 55th Round and population census, 2001 estimates of work force;
(ii) Value added per worker from Enterprise Survey, NSS 57th Round;
(iii) Budget documents for data relating to activities of these services covered under government;
(iv) Annual reports/accounts of corporations; and
(v) Consumer Price Index for Agriculture labour-CPI(AL), Consumer Price Index for industrial workers-CPI(IW).

Methods of GVA Estimation

21.3   All the activities are broadly grouped under three segments, namely, public sector, private organized sector and private unorganized sector. While the estimates of GVA in respect of activities covered under public sector are compiled by analyzing the budget documents and annual accounts of the concerned units, those of private organised and private unorganized segments are prepared following the labour input method and benchmark-indicator procedures.

21.4   Generally, the GVA estimates for non-public sector segments are prepared separately for organized and unorganized segments. Initially estimates are prepared for a benchmark year (usually the base of current national accounts series), and for subsequent years, the benchmark year's GVA estimates are extrapolated with suitable physical and price indicators. The benchmark year GVA estimates are prepared as a product of estimated workforce engaged in the economic activity and the estimated value added per worker (VAPW), separately for organized and unorganized segments. For the current NAS series (base year 1999-2000), the workforce estimates are from the NSS 55th Round (1999-2000) survey results (for details, please refer to the Chapter on workforce estimates), and the estimates of VAPW are from the results NSS 57th Round (2001-02). The GVA estimates for the base year have been prepared separately for rural/urban areas and also separately for organized/ unorganized segments.   It may be mentioned that the NSS 57th Round survey results provide the data separately for corporate sector and unorganized sector.

21.5   For subsequent years, the estimates of workforce in the respective activities have been prepared using the inter survey average compound growth rate of quinquennial Employment & Unemployment surveys as observed between 1993-94 and 1999-2000 of NSS 50th and NSS 55th Round survey results. The value added per worker of rural/urban areas and organized/ unorganized segments, have been projected to subsequent years with the CPI (AL) and CPI (IW) respectively.   The GVA estimates have then be compiled as product of workforce and VAPW for the respective rural/urban and organized/unorganized segments. Specific details for estimating the GVA of various economic activities in the sector are discussed in the following paragraphs:

21.6   Coaching and Tuition (NIC-98, codes 80903 and 80904): The activities covered under this compilation category are the activities of coaching centres and individuals providing tuitions. All these activities are taken in the unorganized segment.

21.7   The estimates of GVA for coaching & tuition activities have been prepared for the year 1999-2000 by using the VAPW of rural/ urban areas from the results of NSS Enterprise Survey 2001-02 of 57th Round, and the labour input estimates based on the results of EUS 1999-2000 of the 55th Round, as outlined in paragraph 21.4.

21.8   For subsequent years, the estimates at current prices have been prepared using the trends in consumption expenditure of these items by households, as revealed by the NSS surveys on consumer expenditure.

21.9   *Education excluding Coaching and Tuition (NIC-98, codes 80 (-) 80903 (-) 80904):* The activities covered under this compilation category are the activities of private education institutions, excluding those of coaching centres and individuals providing tuitions. GVA estimates for this category have been prepared separately for recognized and non-recognized institutions.

21.10   *Public sector institutions*: The GVA for the public sector institutions is taken as the budget expenditure on salaries and wages of teaching and non-teaching staff of educational services plus consumption of fixed capital. The data is obtained from the analysis of the budget documents on year-to-year basis.

21.11   *Private Recognized Institutions:* The GVA estimates for Private Recognized institutions have been prepared by using VAPW estimates of from NSS 57th Round Enterprise survey (ES) 2001-02 (corporate sector part) and the DGE&T data on workers.

21.12   *Private non-recognized institutions:* The GVA estimates for the year 1999-2000 have been compiled separately for rural and urban areas by the procedure outlined in paragraph 21.4.

21.13   For subsequent years, the method is same as indicated at paragraph 21.8 above.

21.14   *Human health activities + Veterinary activities (NIC-98, codes 851+852)*: The activities covered under this compilation category are the activities of human health and veterinary services.

21.15   The estimates of GVA in human health and veterinary services are prepared separately for public, private organised and private unorganised sectors.

21.16   *Human health activities + Veterinary activities-Public:* The GVA for the public sector is taken as the budget expenditure on salaries and wages of medical personnel plus consumption of fixed capital, obtained from the analysis of the budget documents on year-to-year basis.

21.17   *Human health activities + Veterinary activities- Pvt. Organized:* The GVA for the

private organised sector has been prepared using number of workers from DGE&T, and VAPW of corporate sector estimated from NSS 57th Round Survey results.

21.18   *Human health activities + Veterinary activities- Pvt. Un-organised:* The labour input estimates are obtained by subtracting the public + private organised sector number of workers from the total labour input. So obtained labour input is then distributed into rural and urban areas and have been multiplied with respective VAPW of NSS 57th Round ES 2001-02 separately for rural and urban areas in the base year. For subsequent years, the method is same as indicated at para 21.8 above.

21.19   *Sewage and refuse disposal, sanitation activities (NIC-98, code 90):* The activities covered in this category are sewage and refuge disposal, sanitation and similar activities. The estimates of GVA have been prepared separately for public and private sectors.

21.20   *Public sector:* Public sector estimates are the sum of budget expenditure on salaries and wages of activities falling under NIC-98 code 900 covered under government plus consumption of fixed capital.

21.21   *Private sector:* The estimates have been prepared separately for rural and urban areas using NSS labour input and average compensation of municipal workers engaged in sanitary services. The average compensation of all the 5 types of municipalities i.e. (i) 5 lakhs and above, (ii) 1 lakh <=5 lakhs, (iii) >75000 and <=1 lakh (iv) 50000 and <=75000 and (v) below 50000 are used for urban areas. The average compensation level in the smallest municipality has been used for rural areas as the proxy. The private sector labour input has been obtained after subtracting the public sector number of workers, from the corresponding total labour input of the sanitary services. These private sector Labour input estimates are divided into Rural & Urban. Thus obtained labour input estimates are multiplied with VAPW of sanitary workers (data obtained from municipal returns through DESs) to get the GVA   estimates for the base year.

21.22   For subsequent years the estimates of labour input have been prepared using the population growth rate. The value added per worker of rural and urban sectors is projected to subsequent years with the CPI(AL) and CPI (IW) respectively.

21.23 Activities of membership organisations (+) social work (NIC-98, Codes 91+853): Activities of business and employers organizations (include activities of industry associations, chambers of commerce and similar federations) and Activities of professional organisations (include the activities of associations of writers, painters, lawyers, doctors, journalists and other similar organizations); Activities of trade unions (include activities of associations whose members are mainly employees, including government employees, interested chiefly in the representation of their views concerning their work situation); Activities of other membership organizations, Activities of religious organisations (include the activities of religious organisations or individuals who provide services directly to worshippers); Activities of political organizations; Activities of other membership organizations n.e.c. (include rotary clubs, student associations, war veterans' associations, book clubs, philatelic clubs, associations of minority groups, and the activities of other similar associations/ organisations not elsewhere classified); Social work with accommodation (includes the activities of orphanages, children boarding homes and hostels, residential nurseries, juvenile correction homes, homes for the aged, homes for physically or mentally handicapped etc.); Social work without accommodation (includes a variety of social, counseling, welfare, refugee, referral and similar services to individuals and families in their homes or elsewhere). They may be carried out by government offices or by private charitable organisations. Examples include day-care centres for children (crèches), day care activities for the handicapped; and welfare and guidance activities for the children etc.

21.24 The GVA estimates for the base year (1999-2000) for these services have been prepared by using NSS 57th Round (2001-02) survey estimate of VAPW and 55th Round EUS and RGI data on estimated Labour Input, separately for rural/ urban/organized/ unorganized segments.

21.25 For subsequent years, the estimates of labour input have been prepared using the inter survey average compound growth rate of quinquennial Employment & Unemployment surveys of NSS during 1993-94 and 1999-2000. The value added per worker of rural and urban areas are projected to subsequent years with the CPI (AL) and CPI (IW) respectively.

21.26 Recreational cultural and sporting activities (NIC-98, Code 92): The activities covered in this category are recreational cultural and sporting activities.

21.27 The GVA estimates for these activities for the base year 1999-2000 have been prepared separately for public and private sectors.

21.28 *Public Sector*: Estimates have been obtained by analyzing the report of the Prasar Bharati Broadcasting Corporation.

21.29 *Private Sector*: Labour input estimates for private segment are obtained by subtracting public sector workers as obtained from DGE&T from the total labour input. Thus obtained private sector labour input estimates are divided into rural/urban and organized/unorganised segments. These labour input estimates have been multiplied with VAPW of 57th Round (adjusted for the base year 1999-2000 with suitable indicators) of NSS to get the estimates of GVA in the base year.

21.30 For subsequent years, the method is same as indicated at para 21.25 above.

21.31 Washing and cleaning of textiles and fur products (NIC-98, code 9301): The activities covered in this category are washing and dry-cleaning of textile and fur products including laundry collection and delivery; repair and minor alteration of garments when done in connection with cleaning, carpet & rug shampooing and drapery & curtain cleaning in clients' premises.

21.32 The GVA estimates for base year (1999-2000) from these services have been prepared using NSS 57th Round (2001-02) survey estimates of VAPW and EUS 55th Round labour input, separately for rural and urban areas.

21.33 For subsequent years, the method is same as indicated at para 21.25 above.

21.34 Hair Dressing and other Beauty Treatment (NIC-98, code 9302): The activities covered in this category are hairdressing and other beauty treatment including facial massage, manicure & pedicure and make-up.

21.35 The GVA estimates for the base year (1999-2000) from these services have been prepared using NSS 57th Round (2001-02) survey estimates of VAPW and EUS 55th

Round labour input, separately for rural and urban areas.

21.36 For subsequent years, the method is same as indicated at para 21.25 above.

21.37 Custom Tailoring (NIC-98, Code 18105): The GVA estimates from these services have been prepared using NSSO 56th Round data on VAPW and estimates of workers from EUS 55th Round, separately for rural and urban areas in the base year.

21.38 For subsequent years, the method is same as indicated at para 21.25 above.

21.39 Funeral and related activities (NIC 98, codes 9303+9309): The activities covered in this category are funeral and related activities (NIC-98, code 9303) such as operation and maintenance of cremation/burial grounds maintenance of graves & mausoleums and other service activities n.e.c.(NIC-98, code 9309) including activities related to physical well being and comfort such as delivered by sauna and steam baths, reducing and slandering salons, massage salons, rest rooms etc. Also, included are astrological and spiritualists' activities; activities of the marriage bureaus, shoe shiners, porters, valet car parkers etc.

21.40 The GVA estimates for the base year (1999-2000) from these services have been prepared using the estimated VAPW from the results of NSS 57th Round (2001-02) survey and EUS 55th Round labour input, separately for rural and urban areas.

21.41 For subsequent years, the method is same as indicated at para 21.25 above.

21.42 Pvt. households with employed person (NIC-98, code 95): The activities covered in this category are private households with employed persons. These include the activities of private households employing all kinds of domestic personnel such as maids, cooks, gardeners, gatekeepers, secretaries, governess, baby sitters etc.

21.43 Data on private households with employed persons was not collected in the NSS 57th Round Enterprise Survey, as it was not found to be feasible to identify such households as enterprises. The value added generated by this activity included wages paid to the 'employed persons'. In the present series an attempt has been made to workout VAPW based on wage data collected in the 55th Round Employment Unemployment Survey. The total weekly earnings of the workers falling under this category have been divided by the number of workers to arrive at weekly in the base year.

21.44 The GVA estimates for the base year (1999-2000) from these services have been prepared as a product of workforce and average weekly wage per unit of LI (adjusted for annual wages) separately for rural and urban areas in the base year.

21.45 For subsequent years, the method is same as indicated at para 21.25 above.

21.46 Extra Territorial Organisations and Bodies (NIC-98, Code 99): The activities covered in this category (NIC-98, Code 99) are extra territorial organisations and bodies (include the activities of international organizations such as United Nations and its agencies, regional bodies etc., IMF, World Bank, European Commission, OPEC etc.)

21.47 The estimates of these services have been prepared using NSS 55th Round labour input and thrice the value added per worker of Public Administration and defence (as a proxy) separately for rural and urban areas.

21.48 For subsequent years, the method is same as indicated at para 21.25 above.

Estimates at constant prices

21.49 The estimates at constant prices for rural and urban areas in respect of private recognised and unrecognised education, private organised and unorganised Human health activity + Veterinary activities, private Sewage and refuse disposal, sanitation and similar activities, Activities of membership organisations (+) social work with accommodation, Recreational cultural and sporting activities, Washing and cleaning of textiles and fur products, Hair Dressing and other Beauty Treatment, Custom Tailoring, Funeral and related activities, private households with employed person and Extra Territorial Organisations and Bodies, are obtained by deflating the current price estimates with CPI(AL) and CPI(IW) respectively. In the case of public part of educational services, public part of Human health activity + Veterinary activities, public part Sewage and refuse disposal, sanitation and similar activities and T.V. & Radio broadcasting under public sector, the estimates at current prices are deflated by the CPI(IW) to derive the estimates at constant prices.

Quality and limitations of data base

21.50 While the estimates for the public sector component are estimated from direct data sources, those of private organized and unorganized segments in respect of all economic activities are prepared through benchmark-indicator method. On these segments no current data on annual basis is available. Regular, timely and complete data in respect of these services, if available on the corporate sector, could improve considerably the quality of their GVA estimates.

Appendix 21.1

GDP from Other services, 1999-2000

(Rs. crore)

Services	1999-2000
Community Services	109340
Education	67284
Coaching centre	3147
Medical and Health	27985
Membership Organisations	10923
Recreation & Entertainment	5703
Radio & T.V.	719
Personal Services	25270
Pvt. Household with Employed person	3004
Washing & cleaning of Textiles	3745
Hair dressing and other beauty treatment	4249
Custom Tailoring	4874
Funeral related activities + other services	9399
Sanitary Services	4288
International & other Extra-territorial bodies	805
GDP	**146125**
Less FISIM	1802
GDP net of FISIM	144323

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