



# TRENDS OF DAILY WAGE RATES FOR HARVESTING/WINNOWING/THRESHING WORKERS IN RURAL INDIA

**Dr. Nanaware Dada Ramdas<sup>1</sup>**  
Assistant Professor,  
Deccan Education Society, Pune,  
Chintananrao College of Commerce,  
Sangli – 416 415(MH)

**Dr. Barsing Rohit Dinkar<sup>2</sup>**  
Assistant Professor,  
Department of Commerce,  
Rajaram College,  
Kolhapur – 416 004(MH)

## ABSTRACT

*This present study looks into trends of daily wage rates for harvesting/winnowing/threshing workers from 2013-14 to 2017-18, and attempts to examine gap between Men and Women as well Children also. It study also crucially evaluate the discrimination in daily wage rates for harvesting/winnowing/threshing workers in rural India. The wage rate is main defender of satisfaction, employability, level of income of the workers. The wage discrimination is a negative sine of gender equality as well as development and it is also increasing inequality in men and Women.*

## 1. INTRODUCTION

Gender wage gap highest in India, Women are paid the most unequally in India, compared to Men, when it comes to hourly wages for labour. On average, women are paid 34.0% less than men, a recent report by the International Labour Organization (ILO) has found. This gap in wages, known as the gender wage gap, is the highest among 73 countries studied in the report.

India's average daily wage rate of agricultural men for harvesting, winnowing and threshing was reported at ₹286.2 in August 2018. This records an increase from the previous number of ₹284.8 for Jul 2018. As well the data reached an all-time high of ₹286.2 in August 2018 and a recorded low of ₹207.4 in Dec 2013. India's Average Daily Wage Rate harvesting/winnowing/threshing workers and threshing data remains active status in CEIC and is reported by Labour Bureau Government of India.

Average wage rates at all-India level are derived by dividing the total of wages of the measured states by the number of quotations. At all-India level also, the number of quotations for working out occupation-wise averages are restricted to five or more. All-India average daily wage rates in respect of agricultural and non-agricultural occupations in Rural India have been furnished in data. Agricultural occupations includes i.e. Animal Husbandry, Poultry, Dairy and Herdsmen, General Agricultural i.e.

Watering and Irrigation, Harvesting, Winnowing, Threshing, Herdsmen, Horticulture i.e. Nursery Growers and Fishermen Inland, Loggers and Wood Cutters, Packaging, Picking, Plant Protection of Pesticides and Treating Seeds, Ploughing, Tilling, Sowing including Planting, Transplanting and Weeding, Threshing, Transplanting, Weeding, Well Digging, Cane Crushing and Winnowing etc. Non-agricultural occupations include Blacksmith, Carpenter, Bamboo and Cane Basket Weavers, Handicraft, Cobbler; construction includes Roads, Dams, Industrial and Project Construction, Well Diggers, Electrician, Plumbers, Porters, Loaders, Sweeper, Sweeping, Cleaning, Tractor Driver, Unskilled Labours, Weavers and Beedi Makers.

## 2. OBJECTIVES OF THE STUDY

1. To study Month-wise Average Daily Wage Rates for Harvesting/Winnowing/ Threshing Men Workers in Rural India.
2. To study Month-wise Average Daily Wage Rates for Harvesting/Winnowing/ Threshing Women Workers in Rural India.
3. To study Month-wise Average Daily Wage Rates for Harvesting/Winnowing/ Threshing Children Workers in Rural India.



### 3. RESEARCH METHODOLOGY

Any research if necessary, to methodology, this research use only secondary data has been collected from Books, Journals, Gazetteer, Agricultural epitomes, RBI Report, wage reports published by the department of Labour Bureau Government of India (20013-14 to 2017-18).

### 4. LIMITATION OF THE STUDY

The major limitation of this research is that present research is related to only wage discrimination in agriculture labour in India.

Conclusion of this research may not be applicable to other sector labour.

### 5. DATA ANALYSIS AND INTERPRETATION

The present study based on secondary data was collected form Labour Bureau Government of India. The major observation and conclusion of this study depend on data collected form various sources. Data analyse and discussion of overall daily wage rates for harvesting/winnowing/threshing workers with gender scenario i.e. Men Women and Children of rural India is as;

**Table - 01**  
**Month-wise Average Daily Wage Rates for Harvesting/Winnowing/Threshing Men Workers in Rural India: 2013 - 2018 (in ₹)**

| Year           | Months       |              |              |              |              |              |              |              |              |              |              |              |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                | Jan          | Feb.         | March        | April        | May          | June         | July         | Aug.         | Sep.         | Oct.         | Nov.         | Dec.         |
| 2013-14        | 212.8        | 215.7        | 217.4        | 222.2        | 226.8        | 229.3        | 236.6        | 237.8        | 243.5        | 245.1        | 212.1        | 207.5        |
| 2014-15        | 235.8        | 238.3        | 238.4        | 240.7        | 241.9        | 245.0        | 250.0        | 253.6        | 258.5        | 251.6        | 231.4        | 231.4        |
| 2015-16        | 243.9        | 242.6        | 245.1        | 249.3        | 248.1        | 252.1        | 256.9        | 259.0        | 257.2        | 254.0        | 244.0        | 241.4        |
| 2016-17        | 257.9        | 258.4        | 258.8        | 265.0        | 264.9        | 264.8        | 273.2        | 275.0        | 280.1        | 274.1        | 252.8        | 256.1        |
| 2017-18        | 270.7        | 275.2        | 276.2        | 276.7        | 278.5        | 278.9        | 284.9        | 286.2        | 265.3        | 260.7        | 269.2        | 269.2        |
| <b>Average</b> | <b>244.2</b> | <b>246.1</b> | <b>247.2</b> | <b>250.8</b> | <b>252.0</b> | <b>254.0</b> | <b>260.3</b> | <b>262.3</b> | <b>260.9</b> | <b>257.1</b> | <b>241.9</b> | <b>241.1</b> |
| <b>CV</b>      | <b>9.0</b>   | <b>9.1</b>   | <b>8.9</b>   | <b>8.5</b>   | <b>8.0</b>   | <b>7.5</b>   | <b>7.3</b>   | <b>7.2</b>   | <b>5.1</b>   | <b>4.3</b>   | <b>8.9</b>   | <b>9.8</b>   |
| <b>CAGR</b>    | <b>0.06</b>  | <b>0.06</b>  | <b>0.06</b>  | <b>0.06</b>  | <b>0.05</b>  | <b>0.05</b>  | <b>0.05</b>  | <b>0.05</b>  | <b>0.02</b>  | <b>0.02</b>  | <b>0.06</b>  | <b>0.07</b>  |
| <b>Max.</b>    | <b>270.7</b> | <b>275.2</b> | <b>276.2</b> | <b>276.7</b> | <b>278.5</b> | <b>278.9</b> | <b>284.9</b> | <b>286.2</b> | <b>280.1</b> | <b>274.1</b> | <b>269.2</b> | <b>269.2</b> |
| <b>Min.</b>    | <b>212.8</b> | <b>215.7</b> | <b>217.4</b> | <b>222.2</b> | <b>226.8</b> | <b>229.3</b> | <b>236.6</b> | <b>237.8</b> | <b>243.5</b> | <b>245.1</b> | <b>212.1</b> | <b>207.5</b> |

Source: Ministry of Labour and Employment, Government of India.

Table- 01 provides information regarding month-wise average daily wage rates of harvesting /winnowing/threshing Men workers in rural India during the period 2013-14 to 2017-18. Highest average daily wage rates for harvesting /winnowing/threshing Men workers during the study period was ₹262.3 in August month. Also the CAGR of average daily wage rates for harvesting /winnowing/threshing Men workers was highest 0.07% in December month. The CV of average daily wage rates for harvesting /winnowing/threshing Men workers was highest 9.8% in December month. The maximum average daily wage rates for harvesting

/winnowing/threshing Men workers has been observed ₹286.2 in August month in the year of 2017-18. Minimum average daily wage rates for harvesting / winnowing / threshing Men workers was ₹207.4 in December month. Finally, based on above information it is observed that daily wage rates for harvesting /winnowing/threshing Men workers averagely fluctuating, but also increasing trend during the study period of rural India.



**Table - 02**  
**Month-wise Average Daily Wage Rates for Harvesting/Winning/Threshing Women Workers in Rural India: 2013 - 2018**

| Year           | Months       |              |              |              |              |              |              |              |              |              |              |              |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                | Jan          | Feb.         | March        | April        | May          | June         | July         | Aug.         | Sep.         | Oct.         | Nov.         | Dec.         |
| 2013-14        | 178.0        | 179.0        | 181.6        | 186.7        | 189.1        | 192.8        | 199.2        | 202.3        | 204.1        | 201.5        | 178.1        | 173.6        |
| 2014-15        | 196.5        | 201.4        | 203.2        | 205.2        | 205.9        | 206.2        | 210.1        | 212.7        | 214.5        | 212.2        | 196.1        | 195.6        |
| 2015-16        | 204.0        | 204.2        | 205.4        | 209.5        | 209.7        | 213.1        | 217.1        | 219.9        | 215.4        | 211.1        | 203.1        | 200.6        |
| 2016-17        | 216.3        | 218.6        | 220.1        | 223.9        | 224.7        | 225.5        | 233.7        | 235.6        | 237.0        | 233.0        | 210.9        | 215.9        |
| 2017-18        | 228.0        | 231.6        | 233.4        | 235.1        | 237.1        | 239.8        | 245.2        | 245.2        | 242.7        | 237.8        | 225.6        | 225.0        |
| <b>Average</b> | <b>204.5</b> | <b>207.0</b> | <b>208.7</b> | <b>212.1</b> | <b>213.3</b> | <b>215.5</b> | <b>221.1</b> | <b>223.1</b> | <b>222.7</b> | <b>219.1</b> | <b>202.7</b> | <b>202.1</b> |
| <b>CV</b>      | <b>9.3</b>   | <b>9.6</b>   | <b>9.3</b>   | <b>8.7</b>   | <b>8.6</b>   | <b>8.4</b>   | <b>8.3</b>   | <b>7.7</b>   | <b>7.3</b>   | <b>7.1</b>   | <b>8.7</b>   | <b>9.8</b>   |
| <b>CAGR</b>    | <b>0.06</b>  | <b>0.07</b>  | <b>0.06</b>  | <b>0.06</b>  | <b>0.06</b>  | <b>0.06</b>  | <b>0.05</b>  | <b>0.05</b>  | <b>0.04</b>  | <b>0.04</b>  | <b>0.06</b>  | <b>0.07</b>  |
| <b>Max.</b>    | <b>228.0</b> | <b>231.6</b> | <b>233.4</b> | <b>235.1</b> | <b>237.1</b> | <b>239.8</b> | <b>245.2</b> | <b>245.2</b> | <b>242.7</b> | <b>237.8</b> | <b>225.6</b> | <b>225.0</b> |
| <b>Min.</b>    | <b>178.0</b> | <b>179.0</b> | <b>181.6</b> | <b>186.7</b> | <b>189.1</b> | <b>192.8</b> | <b>199.2</b> | <b>202.3</b> | <b>204.1</b> | <b>201.5</b> | <b>178.1</b> | <b>173.6</b> |

Source: Ministry of Labour and Employment, Government of India.

Table - 02 shows that month-wise average daily wage rates for harvesting /winnowing/threshing Women workers in rural India during the period 2013-14 to 2017-18. Average highest daily wage rates for harvesting /winnowing/threshing women workers during the study period was recorded ₹223.1 in August month. The CAGR of average daily wage rates for harvesting /winnowing/threshing women workers was reflected highest 0.07% in February and December month. The CV of average daily wage rates for harvesting /winnowing/threshing women workers was recorded highest 9.8% in December

month. Maximum average daily wage rates for harvesting /winnowing/threshing women workers has been observed ₹245.1 in July and August month respectively. As well minimum average daily wage rates for harvesting / winnowing / threshing women workers was ₹173.6 in December month. Finally, it reveals that daily wage rates for harvesting /winnowing/threshing women workers averagely fluctuating but also growing during the study period in rural India.

**Table - 03**  
**Month-wise Average Daily Wage Rates for Harvesting/Winning/Threshing Children Workers in Rural India: 2013 - 2018**

| Year           | Months       |              |              |              |              |              |              |              |              |              |              |              |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                | Jan          | Feb.         | March        | April        | May          | June         | July         | Aug.         | Sep.         | Oct.         | Nov.         | Dec.         |
| 2013-14        | 149.6        | 150.7        | 150.7        | 159.5        | 145.1        | 150.0        | 199.2        | 155.0        | 155.7        | 160.0        | 153.7        | 144.5        |
| 2014-15        | 143.9        | 165.6        | 164.0        | 163.0        | 163.0        | 166.3        | 168.6        | 170.0        | 170.0        | 170.0        | 146.2        | 138.7        |
| 2015-16        | 166.3        | 172.9        | 210.0        | 172.9        | 172.9        | 151.7        | 156.7        | 155.0        | 160.6        | 166.8        | 165.0        | 157.5        |
| 2016-17        | 160.6        | 160.6        | 153.9        | 153.9        | 159.2        | 188.0        | 188.0        | 188.0        | 188.0        | 190.0        | 162.3        | 153.2        |
| 2017-18        | 177.1        | 177.1        | 177.1        | 190.0        | 188.0        | 188.0        | 166.7        | 188.0        | 190.5        | 193.4        | 190.0        | 205.7        |
| <b>Average</b> | <b>159.5</b> | <b>165.4</b> | <b>171.2</b> | <b>167.9</b> | <b>165.6</b> | <b>168.8</b> | <b>175.8</b> | <b>171.2</b> | <b>173.0</b> | <b>176.1</b> | <b>163.4</b> | <b>159.9</b> |
| <b>CV</b>      | <b>8.3</b>   | <b>6.3</b>   | <b>14.0</b>  | <b>8.4</b>   | <b>9.7</b>   | <b>11.1</b>  | <b>9.8</b>   | <b>9.7</b>   | <b>9.1</b>   | <b>8.4</b>   | <b>10.2</b>  | <b>16.7</b>  |
| <b>CAGR</b>    | <b>0.04</b>  | <b>0.04</b>  | <b>0.04</b>  | <b>0.04</b>  | <b>0.07</b>  | <b>0.06</b>  | <b>-0.04</b> | <b>0.05</b>  | <b>0.05</b>  | <b>0.05</b>  | <b>0.05</b>  | <b>0.09</b>  |
| <b>Max.</b>    | <b>177.1</b> | <b>177.1</b> | <b>210.0</b> | <b>190.0</b> | <b>188.0</b> | <b>188.0</b> | <b>199.2</b> | <b>188.0</b> | <b>190.5</b> | <b>193.4</b> | <b>190.0</b> | <b>205.7</b> |
| <b>Min.</b>    | <b>143.9</b> | <b>150.7</b> | <b>150.7</b> | <b>153.9</b> | <b>145.1</b> | <b>150.0</b> | <b>156.7</b> | <b>155.0</b> | <b>155.7</b> | <b>160.0</b> | <b>146.2</b> | <b>138.7</b> |

Source: Ministry of Labour and Employment, Government of India.

Table - 03 observed that the month-wise average daily wage rates for harvesting /winnowing/threshing children workers in rural India during the period 2013-14 to 2017-18. Average high daily wage rates for harvesting /winnowing/threshing

children workers during study period was observed ₹176.0 in October month. The CAGR of average daily wage rates for harvesting /winnowing/threshing children workers was recorded highest 0.09% in December month. As well the CV of average daily



wage rates for harvesting /winnowing/threshing children workers was highest 16.6% in December month. The maximum average daily wage rates for harvesting /winnowing/threshing children workers has been observed ₹210 in March month. Oppositely, minimum average daily wage rates for

harvesting / winnowing / threshing children workers was ₹138.6 in December month. Lastly, it is that detected that daily wage rates for harvesting /winnowing/threshing children workers averagely unsettled during the study period in rural India.

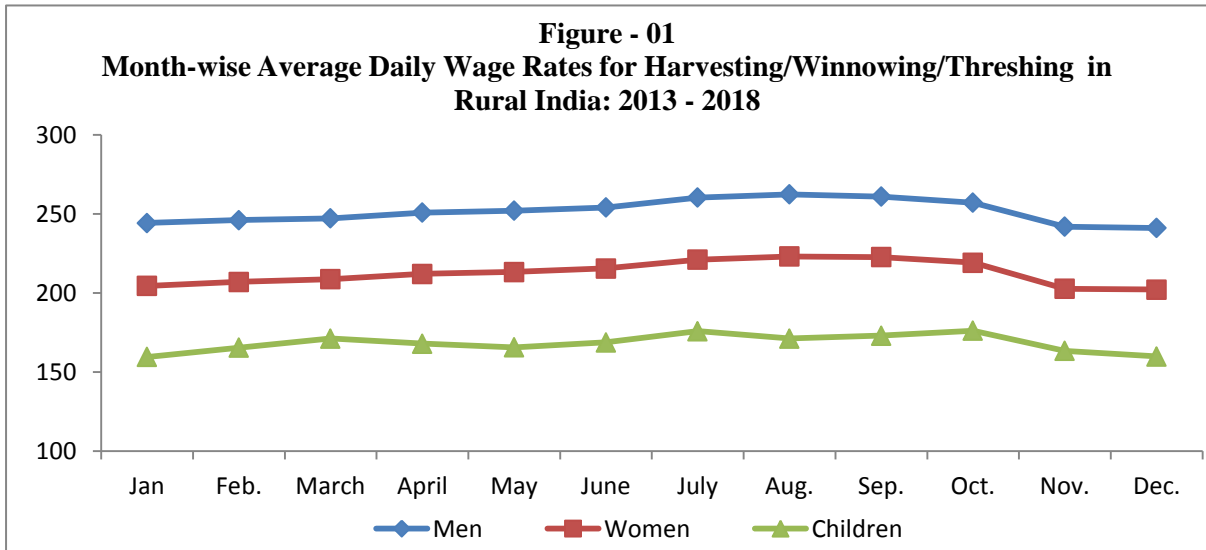


Figure – 01 indicate that month wise trend of average daily wage rate for harvesting /winnowing/threshing Men workers was recorded higher than Women and Children also in rural India during period of 2013 -2018. It was also clearly signify that at present period discrimination in daily

wages between Men and Women workers in rural India. As well month wise trend of average daily wage rate for harvesting /winnowing/threshing Children workers was reported lower than Men and Women workers in rural India.

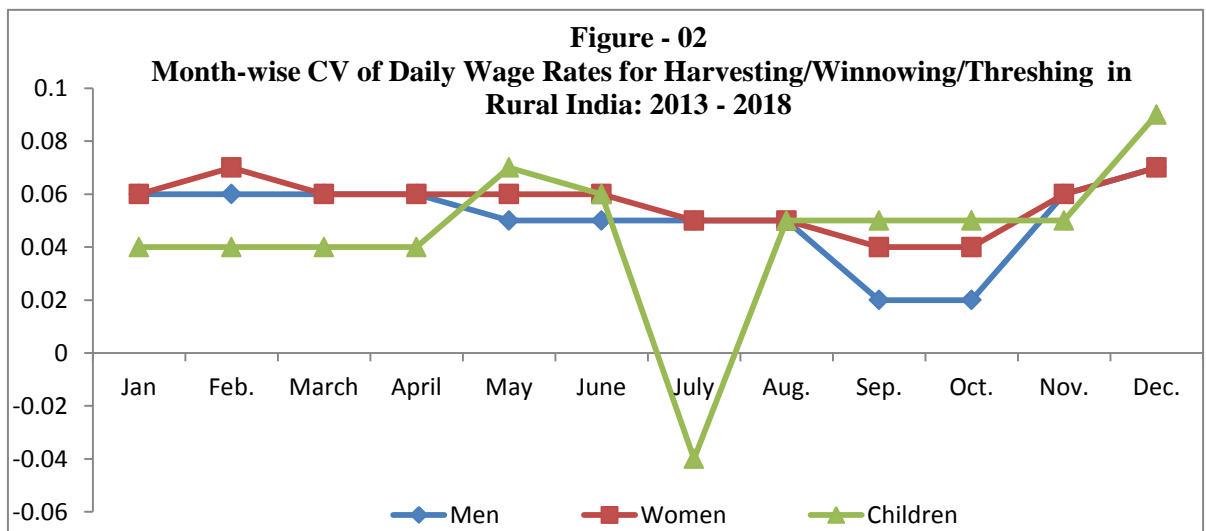


Figure – 02 indicate that month wise coefficient of variation average daily wage rate for harvesting /winnowing/threshing Men, Women and Children. The coefficient of variation of average daily wage rate for harvesting /winnowing/threshing

Children works was reported highly fluctuating or some time negative also than Men and Women workers in rural India during the study period.



## 6. FINDINGS AND CONCLUSION

The important findings of this study are as follow;

1. Highest average daily wage rates for harvesting /winnowing/threshing Men workers was recorded ₹262.3 in August month 2016-14 to 2017-18.
2. Average highest daily wage rates for harvesting /winnowing/threshing women workers was observed ₹223.1 in August month during five years study period.
3. Highest average daily wage rates for harvesting /winnowing/threshing children workers was reported ₹176.0 in October month during the period of 2013-14 to 2017-18. .
4. It is also found that daily wage rates for harvesting /winnowing/threshing Men, women and children workers averagely fluctuating as well mostly increasing during the study period.

Lastly, the existing study concluded that the daily wage rate for harvesting /winnowing/threshing of Men workers was higher than Women and Child workers and also seen wage discrimination between Men and Women workers in rural India.

## 7. REFERENCES

1. ILO. *Global Wage Report 2018-19, Flagship Publication*, 2019.
2. Desai, R.G., *Agricultural Economics (Models, Problems and Policy Issues)*. Himalaya Publishing House, Mumbai. Second Revised and Enlarged Edition, 2001.
3. Munir Abdul., *Agricultural Productivity and Regional Development*. Menak Publications Pvt. Ltd., New Delhi. First Edition, 1992.
4. Sadha A.N. and Singh Amarjit, *Fundamentals of Agricultural Economics*, Himalaya Publishing House, Bombay. 1996.
5. Maharashtrachi Aarthik Pahani, Arth V Sankhiki Sanchalomalay, Niyojan Vibhag, Niyojan Vibhag, Maharashtra Shashan, Mumbai, 2012-13.
6. Jain G. L., *Indian Agricultural Development*, Shree Nivas Publication, Jaipur. 2010.
7. Datt R. and Sundharam KPM, *Indian Economy*. S. Chand and Company Ltd., Ramnagar, New Delhi. 2009.
8. Directorate of Economics and Statistics, Department of Agriculture and Cooperation, 2015-16.

## Websites

1. <https://www.ilo.org>
2. <https://labourbureau.gov.in>
3. <https://rbi.org.in>
4. <https://labour.gov.in>