APPENDIX $V.1$

LOCATION - COMMUNICATION SCORE

Location-communication facilities affect agricultural wages, level of employment and cropping pattern of a village to a considerable extent, as has been observed in some of the studies.[1] To present an over-all and precise picture of rating of these facilities in a systematic way is not an easy task, particularly when the study is at village level, and, that too in agricultural sector. Whatsoever precautions one follows; it may still involve an element of arbitrariness in the absence of any preceding guidance. Hence, the present exercise should be looked at with these limitations. The only source of data is District Census Handbooks, 1971 relating to various districts of Rajasthan.

We have chosen four important facilities affecting the level of agricultural wage rate based on the availability of data. These include electricity (Power), Transportation, Communication and Location of the village (distance from the nearest town). Each facility, excluding electricity, is divided into three to four sub-groups. Each facility as a separate entity, carries 10 scores (marks). All the four facilities taken together as a single explanatory varriable,

1 (a) Bardhan, K., Op.Cit., June, 1973.
  (b) Srivastava G.C., Op.Cit.,
  (c) Sureshchandra, Op.Cit.

carry 40 marks. Each sub-group is assigned marks according to its possible relative impact on wage rate in the procedure described below:

(1) Electricity : Total scores assigned are 10. A village with this facility gets 10 marks, otherwise zero.

(2) Transportation : Total scores = 10. This is sub-grouped into three parts.

(a) Kachcha Road : Kachcha Road being not perennial but seasonal and less effective for smooth transportation gets 2.5 points.

(b) Pakka Road : This provides transportation facilities round the year. Therefore it gets 5 scores i.e, double that of (a).

(c) Railways : Though train facility is more important, effective and cheaper than Pakka Road in industrial and urban centres; but may not be as useful as Pakka road for a village. It is not the means but the frequency of the means that influences wage rate and movement of labour force effectively. Villages have train frequencies almost negligible.

Therefore, a village with facility (c) gets 2.5 points. However, a village with the combination of (a) +(b) gets 7.5 points; with the combination of (b) + (c) gets 7.5 points with (a) + (c) gets 5 points and with a + b + c gets 10 points.

(3)   Communication Facility

Total Scores = 10.   Divided into three sub-groups:

(a)   Post Office is assigned 5 points.

(b)   Telegraphs office is assigned 2.5 points.

(c)   Telephone is assigned 2.5 points.

In other words, village with (a) gets 5 points; with
(a) + (b) gets 5 + 2.5 = 7.5 points; and with (a) + (b) + (c)
gets 5 + 2.5 + 2.5 = 10.

Location of the village

This implies distance from the nearest town in Kilo-
meters.   "Nearer a village, higher the wage" is the
hypothesis.   Therefore, nearer villages get higher scores.
Scores are rated according to the distance divided into four
ranges as under:
(a)   Village within 5 k.m. reach from a town, gets 10 points;
(b)   Village within 6 to 10 k.m. reach gets 7.5 points;
(c)   village within 11 to 20 k.m. reach gets 5 points;
(d)   village above 20 k.m. reach gets 2.5 points.

A score-board showing scores earned by each village on
the basis of the procedure adopted above is depicted below.

LOCATION COMMUNICATION SCORE BOARD

Transportation Scores assigned=10			Communication Scores assigned=10			Distance from the nearest town in K.M. Scores assigned=10 (Distance upto)				Total scores earned by a village
Kachcha Road Score=2.5	Pakka Road Score=5	Train Score=2.5	Post Office Score=5	Tele-graphs Score=2.5	Tele-Phone Score=2.5	1 to 5K.M. Score=10	6 to 10K.M. Score=7.5	11 to 20K.M. Score=5	21 & above Score=2.5	
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2.5	5	-	5	-	-	-	-	5	-	17.50
2.5	-	-	-	-	-	-	-	-	2.5	2.50
2.5	-	-	-	-	-	-	-	-	2.5	5.00
2.5	5	-	5	-	-	-	7.5	-	-	20.00
2.5	-	-	-	-	-	-	7.5	-	-	10.00
-	5	-	5	-	-	-	-	-	2.5	12.50
2.5	-	-	5	-	-	-	-	-	2.5	10.00
-	5	-	5	-	-	10	-	-	-	30.00
2.5	5	-	5	-	-	-	-	-	2.5	12.50
2.5	5	2.5	5	2.5	2.5	-	-	-	2.5	32.50
-	5	-	5	2.5	2.5	-	-	-	2.5	27.50
2.5	-	-	5	-	-	-	7.5	-	2.5	10.00
2.5	-	-	5	-	-	-	-	-	-	10.00
-	-	-	-	2.5	2.5	-	-	5	-	5.00
2.5	5	-	5	2.5	2.5	-	-	-	2.5	30.00
-	-	-	-	-	-	-	-	5	-	5.00
-	5	-	5	-	-	-	-	5	-	25.00
-	5	-	5	-	-	-	-	5	-	15.00

LOCATION COMMUNICATION SCORE BOARD (Concld.)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Govindpura	–	–	–	–	–	–	–	–	–	5
Bani	–	–	–	–	–	–	–	–	–	5
Doomra	–	2.5	–	–	5	–	–	–	–	5
Khinwasar	–	2.5	5	–	5	–	–	–	–	–
Sekhla	–	2.5	5	–	5	–	–	–	–	–
Chokri Khurd	10	–	–	–	–	–	–	–	–	5
Dhoti	–	2.5	–	–	5	–	–	–	–	5
Bamla	10	–	5	–	5	–	–	–	–	5
Jayal	–	2.5	–	–	5	2.5	2.5	–	–	–
Tausar	10	2.5	–	–	5	–	–	10	–	–
Deepawas	–	–	–	–	5	–	–	–	–	5
Dayalanakala	–	2.5	–	–	5	–	–	–	–	5
Meenapara	–	–	5	–	–	–	–	–	–	5
Surali	–	2.5	–	–	5	–	–	–	–	5
Nathusar (Sikar)	–	2.5	–	–	5	–	–	–	7.5	–
Mehroli	10	2.5	5	–	5	2.5	–	–	7.5	–
Tanora	–	2.5	–	–	5	–	–	10	–	–
Palri	10	2.5	–	–	5	–	–	10	–	–

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