

AVAILABILITY OF SKILLED MANPOWER ON SITE IN CHAMBAL REGION

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Abstract

Construction industry is depend on three basic resource such as Man, Money and Machines. These are known as 3-M resource. Manpower can further divide in skilled manpower and unskilled manpower. Obviously skilled manpower is precious resource of construction industry. To objective of this research paper for understand available of skilled manpower in construction industry in Chambal Region. To get this aim we conduct a survey of samples companies. Result of this paper provides knowledge of availability of skilled manpower in construction industry in Chambal Region.

1. INTRODUCTION

Construction industry is second largest industry in India. There is so much need a skill and knowledge worker to work. Because Skill and knowledge can increase the productivity of construction industry. Obviously if development in Construction industry, economic growth and social development will occur also. Skilled can be explained by gap between knowing and performing. If person have knowledge and unable to performed then he will not know as skilled person. Skill development therefore, means: Skilled person always creative. They do always new something that anybody has not done before. This habit of creativity of skilled worker change the way of him livelihoods.

Use of his/her training and knowledge for completion of work is called skilled worker. In generally get a degree from university, attends a special course for job skilled and get a knowledge from him work experience is called skilled person.

1.1 TYPES OF SKILLED WORKER

(A) **Highly skilled:** - Highly skilled worker have more experience with extra ordinary degree and

expert in his work such as Project Manager and Project Engineer. Maximum decision are depend on them at sites. They are known as path creator.

(B) **Skilled:** - Skilled worker have moderate experience with general degree which is required for hire, and not a expert in work. They always work under high skilled worker. Such as Junior Engineer, Site Engineer.

(C) **Semi-skilled:-** Who has sufficient knowledge and sufficient experience and expert in only particular task. They are able to read/ study of drawing such as Forman

(D) **Un-skilled:-** Un-skilled worker have not a degree and knowledge of any task, but can do work at site like a robot such as unskilled supervisor. Such type worker always work under the skilled person.

2. INFLUENCE ON PROJECT

Knowledge and Skills is base of any project. In other words we can say that knowledge and skills is elevation of project. Skills team can do work in any negatively conditions. Skilled teams do economic and good productivity. Availability of skilled manpower at site increases the perfection of project. Now days project are known by who are worked on project. If skilled people attached with project so automatically increase the star of project.

3. FIELD STUDY AND DATA ANALYSIS

In the field study we received some data from several companies in Chambal Region by personal interview and filled the personal information such as name, company name, occupation, number of handled project, contact number of the team members. Collected data represented presence of skilled manpower on site in Chambal region. Table 3.1 represents % availability of skilled person at site in Chambal regions.

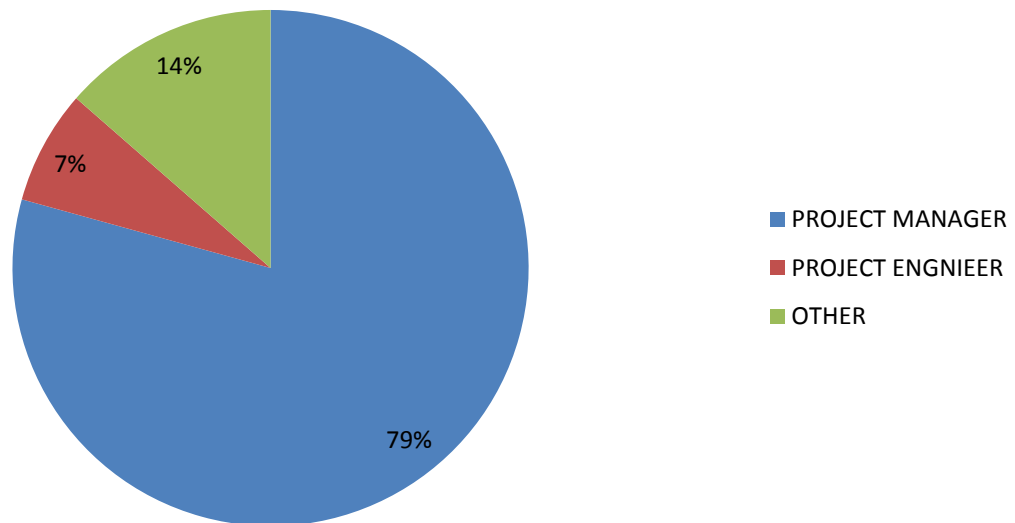
We divided skilled manpower in three categories:-

1. Project manager
2. Project engineer
3. Other such as A.P.M., A.P.E., Site Engineer, Junior Engineer

Table 3.1 Represent of Percentage Available of Skilled People

SR.NO.	COMPANY NAME	CATOGARY		
		PROJECT MANAGER (IN %)	PROJECT ENGINEER (IN %)	OTHER (IN %)
1	B.B.A.P.L	25	25	50
2	D.B. CITY	20	0	80
3	A & S ASSOCIATED	0	0	100
4	NARAYAN BUILDERS	50	25	25
5	SAI BABA PROMOTERS	0	0	100
6	DIVINE HOUSING	0	0	100
7	ASSROTECH PVT LTD.	0	0	100

PRSENCE OF SKILL PERSON AT SITE IN SURVEYED COMPANIES



3.1 Summary of Skilled Manpower

We take interview of twenty four persons from several companies for survey. The details of persons are present in table 3.2

Table 3.2 Represent summary of skilled persons

SR.N O	NAME	DESIGNATION	ORGANIZATION	EXPERIENCE IN YEARS	NO. OF PROJECTS HANDLE
1	P.K. TIWARI	PROJECT ENGINEER	B.B.A.P.L.	20	5
2	RAKESH KUSHWAH	SITE ENGINEER	A.S. ASSOCIATED	22	2
3	MORMUT SHARMA	SITE ENGINEER	DIVIN HOUSING PVT LTD	8	6
4	SANJAY KUSHWAH	JUNIOR ENGINEER	A.S. ASSOCIATED	6	5
5	NEERAJ	JUNIOR ENGINEER	A.S. ASSOCIATED	5	8
6	SATISH KUMAR	PROJECT ENGINEER	NARAYAN BUILDER PVT LTD	5	2
7	DHARMENDRA SHARMA	PROJECT ENGINEER	SAI BABA PROMOTER	15	5
8	SANTOSH KUMAR	JUNIOR ENGINEER	ASSROTECH PVT LTD	8	5
9	ANKIT RANJAN	ASSISTANCE P.E.	ASSROTECH PVT LTD	4	2
10	NITIN AGRAWAL	PROJECT MANAGER	NARAYAN BUILDER PVT LTD	12	2
11	ANIL JAIN	PROJECT MANAGER	NARAYAN BUILDER PVT LTD	10	2
12	ASHARAM	SITE ENGINEER	NARAYAN BUILDER PVT LTD	8	2
13	ASHUTOSH GUPTA	JUNIOR ENGINEER	SAI BABA PROMOTER	5	8
14	ATUL SINGH TOMAR	SITE ENGINEER	B.B.A.P.L.	7	6
15	ABHISHEK KUMAR	ASSISTANCE P.M.	ASSROTECH PVT LTD	8	5
16	RAMENDRA RAJPUT	PROJECT MANAGER	B.B.A.P.L.	18	4
17	VIKASH KULSHRESHTHA	ASSISTANCE P.E.	B.B.A.P.L.	10	5
18	BHUPENDRA VERMA	JUNIOR ENGINEER	D.B. CITY	4	3
19	PRABODH SINGH	SITE ENGINEER	D.B. CITY	5	4
20	JAGDISH MANPURIA	ASSISTANCE P.E.	A.S. ASSOCIATED	22	5
21	SWARAJ TRIVEDI	PROJECT MANAGER	D.B. CITY	14	12
22	RAVIKANT SHAKHYA	JUNIOR ENGINEER	D.B. CITY	8	6
23	KUNAV SINGH	SITE ENGINEER	D.B. CITY	7	1
24	SANTOSH KUMAR	ASSISTANCE P.E.	DIVIN HOUSING PVT LTD	11	5

3.2 Average Experience per Person

The average experience of persons in research study was 10 years 2 months.

3.3 Number of Project per Person

The average number of construction project undertaken per person was 4.58.

4. CONCLUSION

From the present study we got that Skills and knowledge found is most significant factor on construction productivity. There are need to increase number of skilled person proper organization on the site. All three category persons should be presence at site. So any problems can handled within the minutes, so problems cannot effect on productivity during the

execution of work. There are also following recommendations and conclusion got by the spastically data and personal interview. Data represent present conditions available of skilled persons on site in Chambal Region.

- (A) Nobody do not perfect in his own work. So the company has to run a periodic training program to raise the skills level and they give high productivity.
- (B) The future prospects of construction industry are based on an understanding of current trends in looking both opportunities and problems. Creating technology based responses to the infrastructure problems would ideally take the form of improvement in the construction productivity.
- (C) Skilled manpower team should be available at site for whole time during the work. Every step of work should kept in them knowledge.
- (D) Experience and Knowledge should be based on wages and salary.
- (E) Periodically holiday should be available. But a one thing should be kept in mind not more than 20% skilled person goes to holidays.
- (F) Increasing the experience and knowledge is automatically improves the methodology of persons.

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