

AHP

## ***Comparison of Project Delivery Methods in Iran(Owner Attitude)***

M. H. Sebt, V. Golbabapour

### ***ABSTRACT***

Projects in oil and power plant industries as well as other infrastructure projects are highly affected by technological developments. Therefore implementation of modern methods and new management technique is inevitable. Recent improvements have enabled the project managers dispense with often unefficient traditional methods and to fulfill the projects with higher quality within pre-assumed duration and budget.

In Iran, investment in oil, gas and petrochemical industries is growing exponentially. Therefore, to achieve the economical and social development, it is vital to improve the methods of managing these projects.

This paper compares different methods of constructional contracts in Iran with each other. Comparison of the methods has been assessed on different owner's viewpoints using AHP model.

### ***KEYWORDS***

Technology, Design-Build, Project management, Design, Contract

Email: Sebt@aut.ac.ir

Email: V\_golbabapour@yahoo.com

(

:

( )

(MC)

( ) :

- - -  
- - -  
- - -

Archive of SID

[ ]

(DBB)

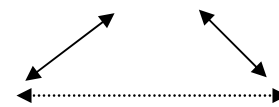
( )

MC

( )

(DB)

(.)



( )

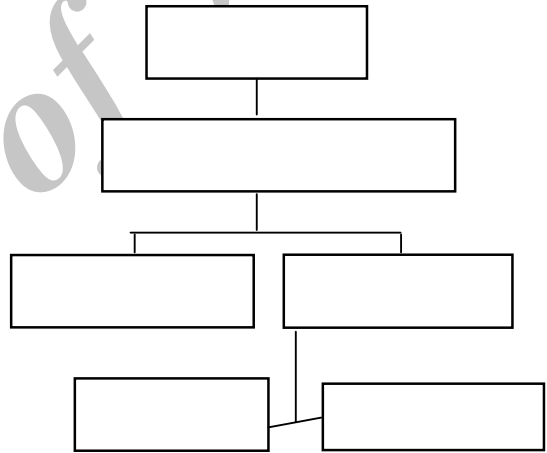
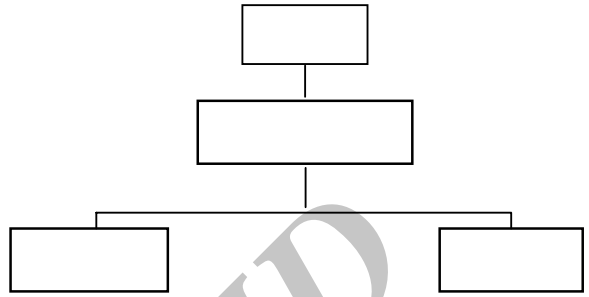
(DBB)

شکل :

)

( )

(.)



Archive of SID

[ ] [ ]

:(A)

:(B)

:(C)

:(D)

: (E)

[ ] ( ) AHP

( ) ( )  
( ) ( )

( / )  
( )

( )

)

(

(.)

(.)

( )

).

(

( / )

( / )

( / )

( )

( , )

( )

( / )

( / )

( )

AHP



/ / / /

)  
(

AHP

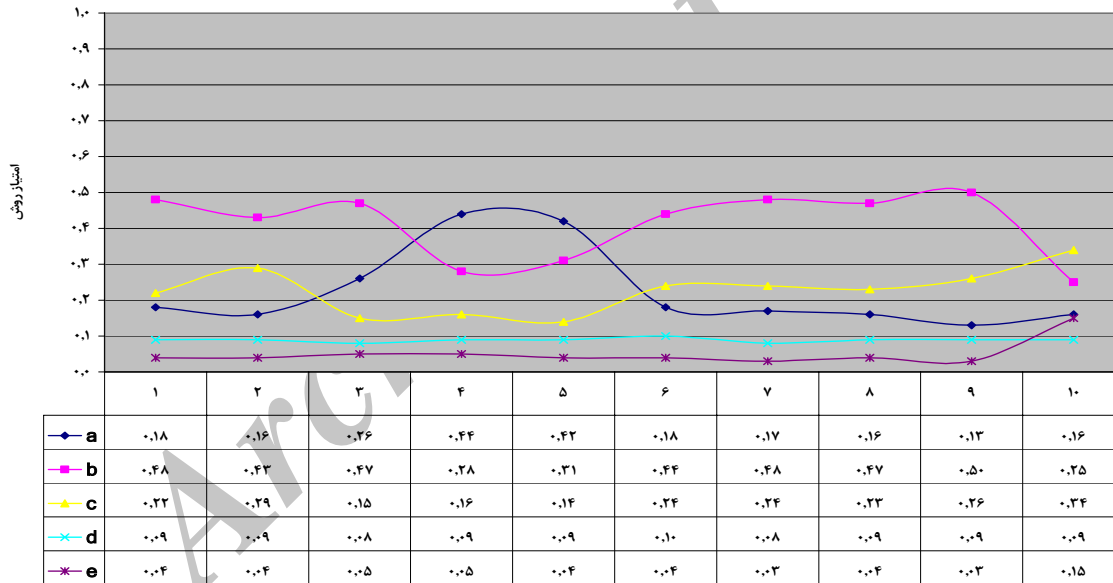
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.

	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.
	.	.	.	.	.

	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/

:

a	/	/	/	/	/	/	/	/	/	/	/
b	/	/	/	/	/	/	/	/	/	/	/
c	/	/	/	/	/	/	/	/	/	/	/
d	/	/	/	/	/	/	/	/	/	/	/
e	/	/	/	/	/	/	/	/	/	/	/



کارفرمایان مصاحبه شده

:

	/	/	/
	/	/	/
	/	/	/
	/	/	/

:




:

DB											
DBB											
MC											

A

:

DB											
DBB											
MC											

B

:

DB											
DBB											
MC											

C

:

DB											
DBB											
MC											

D

:

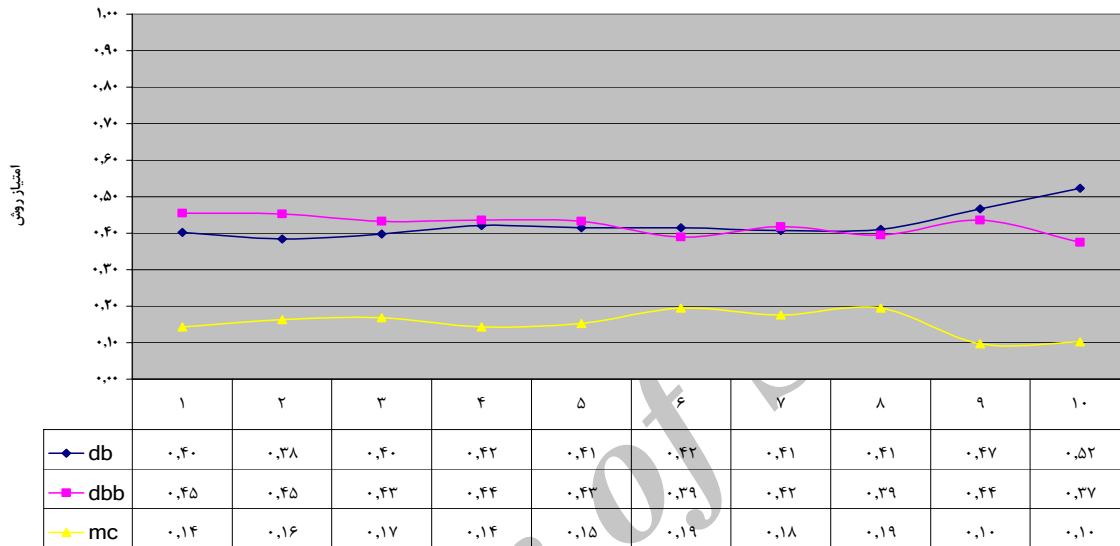
DB											
DBB											
MC											

E

:

DB	/	/	/	/	/	/	/	/	/	/	/	/	/
DBB	/	/	/	/	/	/	/	/	/	/	/	/	/
MC	/	/	/	/	/	/	/	/	/	/	/	/	/

:



کارفرمایان مصاحبه شده

:

Pocock J.B & Liu L.Y.; Alternative approach to projects: Better or worse?; the military Eng. No. 578, 1996. [ ]

AHP [ ]

[ ]

- <sup>1</sup> Design – Bid – Build
- <sup>2</sup> Managing construction
- <sup>3</sup> Design – Build

Conceptual

% ACEC % FIDIC <sup>4</sup>

design

Songer A.D. & Molenaar K.R.; Selecting design-build : public and private sector owner attitudes; University of Colorado Boulder, Colo., 1997. [ ]

Konchar Mark & Sanvido Victor; Comparison of US project delivery system; Journal of construction engineering & management. Vol. 124, No. 6, Nov./Dec. 1998. [ ]

American Society of Civil Engineering; Design-Build in the Federal sector, a report of task committee on design-build, American Society of Civil Engineering, 1992. [ ]

Songer A.D. & Molenaar K.R; Selection factors and success criteria for design-build in U.S. and U.K.; University of Colorado Boulder, Colo., 1997. [ ]



/ / / /