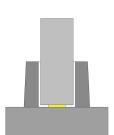
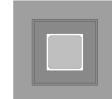
CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS Precast PAD Foundation VS Traditional cast-in-place footing and pocket

		PREC	CAST P/		ATION (FOO x 11.50 x 2	TING) - MON ,3 ft	ACHINO
1		ITEM	U. M.	QUANTITY	US\$ / U. M.	COST	NOTE
		Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	1653	US\$ 0,35	US\$ 578,55	Fe B 44k 6,7 lb/ft ³ (The cost does not include overhead costs and business profits)
FOU	RECAST PAD INDATION DOTING)	Factory produced concrete	ft ³	57,50	US\$ 1,80	US\$ 103,50	Rck 30 N/mm ² S4 (The cost does not include overhead costs and business profits)
		Labor	Hours	3	US\$ 30,55	US\$ 91,65	
		Total				US\$ 773,70	
		Overhead costs				US\$ 232,11	30%
		Total costs				US\$1.005,81	
		Minimum ex- works sales price				US\$1.257,26	Coefficient 1,25 (The cost includes business profits)
	-	Amortization of the formworks				US\$ 18,00	
	•	Royalty				US\$ 127,53	10%
		Transport			US\$610,00	US\$ 101,67	ml 125 / 6 precast elements
		Assembly				US\$ 43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)
		Minimum sales price with transport and assembly				US\$1.547,46	
		Assembly system (Column- Foundation)	nr	4	US\$ 12,50	US\$ 50,00	4 Anchor Bolts and 8 Threaded Coupler
		Excavation	ft³	386,98	US\$ 0,19	US\$ 73,53	12,2×12,2×2,6 ft (with overhead costs and business profits)
TH C/ OU	TIVITIES IAT ARE ARRIED T IN THE DRKSITE	Concrete in situ	ft³	246,68	US\$ 2,63	US\$ 648,76	Rck 30 N/mm ² S4 (with overhead costs and business profits)
		Backfilling	ft³	43,13	US\$ 0,13	US\$ 5,39	Excavation - Foundation (with overhead costs and business profits)
-			TOTAL	PRICE		US\$2.325,13	

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	TRADITIO	ONAL			FOOT 11.50			CKET (SOCKET)
	ITEM	U. M.	QUANTITY	US\$	/U. М.	c	OST	NOTE
	Steel - Reinforcing bars (footing base)	lb	1653	US\$	0,61	US\$	1.008,33	Fe B 44k 6,7 lb/ft³ (with overhead costs and business profits)
	Steel - Reinforcing bars (Pocket)	lb	610	US\$	0,61	US\$	372,10	Fe B 44 k (with overhead costs and business profits)
	Formwork (footing base)	ft²	105,80	US\$	3,05	US\$	322,69	11,5x2,3x4 (with overhead costs and business profits)
	Formwork (Pocket)	ft²	132,48	US\$	3,05	US\$	404,06	(5,6×3,6×4) + (3,6×3,6×4) - (with overhead costs and business profits)
ACTIVITIES THAT ARE CARRIED								
OUT IN THE WORKSITE	Excavation (Pocket)	ft ³	617,80	US\$	0,19	US\$	117,38	13,1x13,1x3,6 ft (with overhead costs and business profits)
	Concrete in situ (Pocket)	ft³	66,24	US\$	2,63	US\$	174,21	Pocket (5,6×5,6×3,6) ft - Rck 30 N/mm ² S4 (with overhead costs and business profits)
	Backfilling (Pocket)	ft³	504,90	US\$	0,13	US\$	63,11	Excavation - Pocket (with overhead costs and business profits)
	Excavation (footing base)	ft³	446,19	US\$	0,19	US\$	84,78	13,1×13,1×2,6 ft (with overhead costs and business profits)
	Concrete in situ (footing base)	ft³	304,18	US\$	2,63	US\$	799,98	Footing base 11,5×11,5×2,3 ft (with overhead costs and business profits)
	Backfilling (footing base)	ft ³	102,34	US\$	0,13	US\$	12,79	Excavation - Footing base (with overhead costs and business profits)
	Mortar for filling between column and pocket	ft³	14,26	US\$	2,63	US\$	37,49	
		ΤΟΤΑΙ	PRICE			US\$	3.396,93	
	PER	CENTA	GE SAVINGS	3			32%	
			BY USING (US\$	1.071,80	

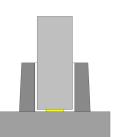




CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS Precast PAD Foundation VS Traditional cast-in-place footing and precast pocket

PRECAT PAD FOUNDATION (FOOTING) bars (only bent- orychaed costs and business profits) cost does not business profits) cost does not business profits) Image: Concrete Pad POUNDATION (FOOTING) Fd* 57,50 USS 1,80 USS 103,50 Rck 30 N/mm* 54 (The cost does not include overhead costs and business profits) Image: Concrete Concrete ft* 57,50 USS 1,80 USS 103,50 Rck 30 N/mm* 54 (The cost does not include overhead costs and business profits) Image: Concrete Concrete Image: Concrete USS 232,11 30% Image: Concrete Concrete USS 105,81 USS 105,81 Image: Concrete Concrete Image: Concrete USS 127,53 10% Image: Concrete Image: Concrete USS 10,60 105,81 10,60 Image: Concrete Image: Concrete USS 10,60 10,55 10,60 Image: Concrete Image: Concrete Image: Concrete USS 10,60 10,55 10,60 Image: Concrete Royalty Image: Concrete USS 10,55 10,56 10	11.50 x 11.50 x 2.3 ft TEM U.M. COST NOTE TEM INTER U.M. COST NOTE TEM INTER U.M. COST NOTE TEM INTER NOTE PRECAST POUNDATION Feltor produced concrete ft ³ STATE FECAST POUNDATION Feltor produced concrete ft ³ STATE Labor Hours 3 USS 30.55 USS 91,65 Overhead costs USS 773,70 Overhead costs USS 18,00 Minimum ex- works sales price USS 18,00 Coefficient 1,25 (The cost include business profits) Amortization of the formworks USS 610,00 USS 18,00 Amortization of the formworks USS 610,00 USS 160,60 Amortization of the formworks USS 610,00 USS 16									
PRECAT PROMINTER Steel - Reinforcing bars (only bert, production process does not binding) ib 1653 USS 0,35 USS 578,55 Fe B 44k 6,7 lb/th ² (The (The cost does not include our mode does not binding) FOUNDATION (POOTING) Fectory produced concrete ft ³ 57,50 USS 1,80 USS 103,50 Rck 30 N/mm ² 54 (The cost does not include our entre does not business profits) Labor Hours 3 USS 30,55 USS 91,65 Correte Total USS 30,55 USS 91,65 Total Overhead costs USS 103,00 Coefficient 1.25 (The cost includes business profits) Amortization of the formworks USS 10,00 USS 10,77 ml 125 / 6 precast elements Anortization of the formworks USS 10,00 USS 10,77 ml 125 / 6 precast elements Assembly USS 10,00 USS 10,47 ml 125 / 6 precast elements Assembly USS 10,00 USS 10,47 ml 25 / 6 precast elements Activities for ewith coandationy <t< th=""><th>PRECAT POUNDATION (FOOTING) Steel - Reinforcing bars (only berti- aur production process does not binding) 1b 1553 USS 0,35 USS 578,55 Fe B 44k 6,7 lb/H* (The cost does not business profils) POUNDATION (FOOTING) Factory produced concrete ft* 57,50 USS 1,80 USS 103,60 Rck 30 N/mm* 54 (The cost does not include cost does not usiness profils) Amortization of the formworks Image: Ima</th><th>Ŷ</th><th>PRE</th><th>CAST</th><th></th><th></th><th></th><th></th><th>i) - MOI</th><th>IACHINO</th></t<>	PRECAT POUNDATION (FOOTING) Steel - Reinforcing bars (only berti- aur production process does not binding) 1b 1553 USS 0,35 USS 578,55 Fe B 44k 6,7 lb/H* (The cost does not business profils) POUNDATION (FOOTING) Factory produced concrete ft* 57,50 USS 1,80 USS 103,60 Rck 30 N/mm* 54 (The cost does not include cost does not usiness profils) Amortization of the formworks Image: Ima	Ŷ	PRE	CAST					i) - MOI	IACHINO
PRECAT PAD FOUNDATION (FOOTING) bars (only bent - production process does not binding) diam (initial mathematical concrete diam (initial mathematical mathematical concrete concrete (initial mathematic	PRECAST POUNDATION (COUTING) Data (only best - production process does not binding) Main (Minimum size production binding) Main (Minimum size profile) Main	<i>y</i> , y	ITEM	U. M.	QUANTITY	US\$ /	′ U. M.	С	OST	NOTE
POUNDATION (FOOTING) Factory produced concrete ft* 57,50 USS 1,80 USS 103,50 Rek 30 N/mm ³ S4 (the cost does not include overhead costs and business profits) Labor Hours 3 USS 30,55 USS 91,65 Total USS 73,70 USS 232,11 30% Total costs USS 1.05,81 USS 0.05,81 Minimum ex- works sales price USS 18,00 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks USS 10,00 USS 10,07 Transport USS 610,00 USS 10,67 ml 125 / 6 precast elements Transport USS 610,00 USS 10,67 ml 125 / 6 precast elements Minimum sales price with transport and assembly Image: sprice with transport and assembly USS 12,50 USS 50,00 4 Anchor Bolts and 8 Threaded Couple' Assembly system (Column- Foundation) nr 4 USS 12,250 USS 50,00 4 Anchor Bolts and 9 Threaded Couple'	FOUNDATION (FOOTING) Factory produced concrete ft ⁸ 57,50 USS 1,80 USS 103,60 Reck 30 Wrim*94 (the cost does not include overhead costs and business profits) Labor Hours 3 USS 30,55 USS 91,65 Overhead costs USS 232,11 30% 30% 30% Minimum ex- works sales price USS 1,80 USS 1,80 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks Minimum ex- works sales price USS 610,00 USS 18,00 Transport USS 610,00 USS 101,67 ml 125 / 6 precast elements Assembly Image: same same same same same same same same		bars (only bent - our production process does not need rebars	lb	1653	US\$	0,35	US\$	578,55	cost does not include overhead costs and
Initial Initial <t< td=""><td>India Correction USS 773,70 Overhead costs USS 232,11 30% Total costs USS 232,11 30% Minimum ex- works sales price USS 1257,26 Coefficient 1.25 (The cost includes business profits) Amortization of the formworks USS 180,00 USS 10% Royalty USS 10,00 USS 101,67 ml 125 / 6 precast elements Assembly USS 610,00 USS 10,67 ml 125 / 6 precast elements Minimum sales price with transport and assembly USS 610,00 USS 10,67 ml 125 / 6 precast elements Minimum sales price with transport and assembly USS 12,57,36 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly Interference Interference 1.57,46 Minimum sales price with transport and assembly Interference Interference 1.57,46 Activities that are Out and the assembly system (Column- Foundation) nr 4 USS 12,50 4 Anchor Bolts and 8 Threaded Coupler <</td><td>FOUNDATION</td><td></td><td>ft³</td><td>57,50</td><td>US\$</td><td>1,80</td><td>US\$</td><td>103,50</td><td>cost does not include overhead costs and</td></t<>	India Correction USS 773,70 Overhead costs USS 232,11 30% Total costs USS 232,11 30% Minimum ex- works sales price USS 1257,26 Coefficient 1.25 (The cost includes business profits) Amortization of the formworks USS 180,00 USS 10% Royalty USS 10,00 USS 101,67 ml 125 / 6 precast elements Assembly USS 610,00 USS 10,67 ml 125 / 6 precast elements Minimum sales price with transport and assembly USS 610,00 USS 10,67 ml 125 / 6 precast elements Minimum sales price with transport and assembly USS 12,57,36 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly Interference Interference 1.57,46 Minimum sales price with transport and assembly Interference Interference 1.57,46 Activities that are Out and the assembly system (Column- Foundation) nr 4 USS 12,50 4 Anchor Bolts and 8 Threaded Coupler <	FOUNDATION		ft ³	57,50	US\$	1,80	US\$	103,50	cost does not include overhead costs and
Overhead costs US\$ 232,11 30% Total costs US\$ 1.257,26 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks US\$ 127,53 10% Amortization of the formworks US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 610,00 US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Foundation) Assembly system (Column-Foundation) nr 4 US\$ 12,60 US\$ 73,53 12,2×12,2×2,6 ft (with overhead costs and 8 Threaded Coupler Foundation) Activities Excavation ft* 246,68 US\$ 2,63 US\$ 648,76 Rck 30 Nmm* 54 (with overhead costs and business profits) OUT IN THE WORKSITE Backfilling ft* 43,13 US\$ 0,13 US\$ 5,39 Excavation (with overhead costs and business profits)	Overhead costs US\$ 232,11 30% Total costs US\$1.257,26 Coefficient 1,25 (The cost includes business profits) Amorization of the formworks US\$ 127,53 10% Royalty US\$ 610,00 US\$ 127,53 10% Transport US\$ 610,00 US\$ 127,53 10% Transport US\$ 610,00 US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler workers + 1 crane) Minimum sales price with transport and assembly Image: state of the transport and assembly <td< td=""><td></td><td>Labor</td><td>Hours</td><td>3</td><td>US\$</td><td>30,55</td><td>US\$</td><td>91,65</td><td></td></td<>		Labor	Hours	3	US\$	30,55	US\$	91,65	
Total costs US\$1.05,81 Minimum ex- works sales price US\$1.257,28 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks US\$ 127,53 10% Royalty US\$ 610,00 US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 610,00 US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 73,53 122×12,2×2,6 ft (with overhead costs and business profits) Activities THAT ARF WORKSITE Excavation ft³ 386,98 US\$ 2,63 US\$ 648,76 RcK 30 NVmr 24 (with overhead costs and business profits)	Total costs US\$1.05,81 Minimum exworks sales price US\$1.257,26 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks US\$ 127,53 10% Royalty US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Foundations (Column-Foundations) Assembly system That ARE Counce in situ nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Foundations) Assembly system That ARE Concrete in situ ft* 386,98 US\$ 2,63 US\$ 648,76 Fck 430 Nrmm* 54 (with overhead costs and business profits) More the instruction of t* Backfilling ft* 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation		Total					US\$	773,70	
Total costs USS1.005.81 Minimum ex- works sales price USS1.257.26 Coefficient 1.25 (The cost includes business profits) Amortization of the formworks USS 18,00 USS 127,53 10% Royalty USS 610,00 USS 101,67 ml 125 / 6 precast elements Assembly USS 610,00 USS 101,67 ml 125 / 6 precast elements Minimum sales price with transport and assembly USS 143,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly USS 12,547,46 USS 1.547,46 Minimum sales price with transport and assembly USS 12,50 USS 50,00 4 Anchor Bolts and 8 Threaded Coupler Assembly system (Column- Foundation) nr 4 USS 12,50 USS 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities THAT ARF WORKSITE Excavation ft ³ 386,98 USS 0,19 USS 73,53 12,2×12,2×2,6 ft (with overhead costs and business profits) Concrete in situ ft ³ 246,68 USS 0,13 USS 6,48,76 Rck 30 Nrme* 24 (with overhead costs and business profits)	Total costs US\$1.005,81 Minimum exworks sales price US\$1.257,26 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks US\$ 127,53 10% Royalty US\$ 610,00 US\$ 127,65 for elements Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 101,67 ml 125 / 6 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 1.547,46 US\$ 1.547,46 Assembly system foundations x 1 concept and assembly Image: second assembly second assembly Image: second assembly second assembly Assembly system foundations nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Column-Foundation) nr 4 US\$ 1,547,66 South overhead costs and business profits) Activities nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Column-Foundation) nr 4 US\$ 1,2,50 US\$ 648,76 Fck 30 N/mm '54		Overhead costs					US\$	232.11	30%
Minimum exworks sales price US\$1.257,26 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks US\$ 127,53 10% Royatty US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 25 / 6 precast elements Assembly US\$ 610,00 US\$ 43,00 4 precast foundations x i hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 127,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Courter in situ nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Courter in situ ft ³ 386,98 US\$ 0,19 US\$ 73,53 12,2×12,2×2,61 ft (with overhead costs and business profits) Activities Excavation ft ³ 386,98 US\$ 0,13 US\$ 648,76 Rck 30 Nrms* 24 (with overhead costs and business profits)	Minimum exworks sales price US\$1.257,26 Coefficient 1,25 (The cost includes business profits) Amortization of the formworks US\$ 18,00 US\$ 127,53 10% Royalty US\$ 610,00 US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 610,00 US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales Minimum sales US\$ 1.547,46 US\$ 1.547,46 Minimum sales Image: sembly system (Column-Foundations x 1 hour (2 unskilled workers + 1 crane) US\$ 1.2,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Threaded Coupler foundation) Assembly system (Column-Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler foundation) Minimum sales Image: sembly system (Column-Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler foundation) Concrete in situ ft ³ 386,98 US\$ 0,19 US\$ 73,53 12,2×12,2×2,6 ft (with overhead costs and business profits) UT IN THE WORKSITE Eackfilling ft ³ 43,13 <td< td=""><td></td><td>Total costs</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></td<>		Total costs						-	
Ite formworks US\$ 10.00 Royalty US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 1.547,46 Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities transport and assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities transport and assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities transport and assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities transport is our head costs and business profits) ft³ 386,98 US\$ 0,19 US\$ 648,76 Rck 30 N/mm² S4 (with overhead c	the formworks US\$ 1,00 Royalty US\$ 127,53 10% Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 1.547,46 US\$1.547,46 Assembly system (Column-Foundation) nr 4 US\$1.547,46 US\$1.547,46 Activities Assembly system (Column-Foundation) nr 4 US\$1.547,46 US\$1.547,46 Activities Concrete in situ ft³ 386,98 US\$1.547,66 Chromed costs and business profits) UT in THE WORKSITE Excavation								-	cost includes business
Transport US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 610,00 US\$ 101,67 ml 125 / 6 precast elements Assembly US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 1.547,46 Assembly system (Column-Foundation) nr 4 Assembly system (Column-Foundation) nr 4 Excavation ft³ 386,98 US\$ 0,19 US\$ 73,53 12,2×12,2×2,6 ft (with overhead costs and business profits) Concrete in situ ft³ 246,68 US\$ 2,63 US\$ 648,76 Rck 30 N/mm² S4 (with overhead costs and business profits) Backfilling ft³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation ft overhead costs and business profits)	Image: Constraint of the second se							US\$	18,00	
Assembly Assembly US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 1.547,46 US\$1.547,46 Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities Concrete in situ ft³ 386,98 US\$ 0,19 US\$ 73,53 12,2×12,2×2,2.6 ft (with overhead costs and business profits) Activities Concrete in situ ft³ 246,68 US\$ 2,63 US\$ 648,76 Rck 30 Nmm² S4 (with overhead costs and business profits) Backfilling ft³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)	Assembly Assembly US\$ 43,00 4 precast foundations x 1 hour (2 unskilled workers + 1 crane) Minimum sales price with transport and assembly US\$ 1.547,46 US\$ 1.547,46 Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities CARRED WORKSITE Excavation ft³ 386,98 US\$ 0,19 US\$ 73,53 12,2×12,2×2,6 ft (with overhead costs and business profits) Activities CARRED WORKSITE Concrete in situ ft³ 246,68 US\$ 2,63 US\$ 648,76 Rck3 0 N/mr2 S4 (with overhead costs and business profits)		Royalty					US\$	127,53	10%
Minimum sales price with transport and assembly Minimum sales price with transport and assembly US\$1.547,46 Minimum sales price with transport and assembly US\$1.547,46 Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities CARRED UVI in THAT ARE CARRED UVI in THE WORKSITE Excavation ft³ 386,98 US\$ 0,19 US\$ 73,63 12,2×12,2×2,6 ft (with overhead costs and business profits) Minimum sales price with transport and assembly system (Column- Foundation) ft³ 386,98 US\$ 0,19 US\$ 73,63 12,2×12,2×2,6 ft (with overhead costs and business profits) Minimum sales (Column- Foundation) ft³ 246,68 US\$ 2,63 US\$ 648,76 Rck 30 N/mm² 54 (with overhead costs and business profits)	Minimum sales price with transport and assembly Minimum sales price with transport and assembly US\$1.547,46 Minimum sales price with transport and assembly US\$1.547,46 Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 73,53 12.2×12.2×2.6 ft (with overhead costs and business profits) ACTIVITIES THAT ARE CARRIED OUT IN THE WORKSITE Excavation ft³ 386,98 US\$ 2,63 US\$ 648,76 Rck 30 N/mr2 S4 (with overhead costs and business profits) Backfilling ft³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundatior (with overhead costs and business profits)		Transport			US\$ (610,00	US\$	101,67	
price with transport and assembly price with transport and assembly price with transport and assembly Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Assembly system (Column- Foundation) nr 4 US\$ 12,50 US\$ 50,00 4 Anchor Bolts and 8 Threaded Coupler Activities THAT ARE CARRIED OUT IN THE WORKSITE Excavation ft³ 386,98 US\$ 0,19 US\$ 73,53 12,2×12,2×2,6 ft (with overhead costs and business profits) Backfilling ft³ 246,68 US\$ 2,63 US\$ 648,76 Rck 30 N/mm² 54 (with overhead costs and business profits)	Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly Image: price with transport and assembly system (Column-Foundation) Image: price with transport and tran		Assembly					US\$	43,00	1 hour (2 unskilled
Image: Column-Foundation Image: Column-F	Image: Column-Foundation) Image:		price with transport and					US\$1	1.547,46	
Image: Column-Foundation Image: Column-F	Image: Column-Foundation Image: Column-F									
ACTIVITIES THAT ARE CARRIED OUT IN THE WORKSITE Concrete in situ Excarried OUT IN THE ft ³ 246,68 US\$ 2,63 US\$ 648,76 Rck 30 N/mm ² S4 (with overhead costs and business profits) Backfilling ft ³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)	ACTIVITIES THAT ARE CARRIED OUT IN THE WORKSITE Concrete in situ Concrete in situ ft ³ 246,68 US\$ 2,63 US\$ 648,76 Rck 30 N/mm ² S4 (with overhead costs and business profits) Backfilling ft ³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)		(Column-	nr	4	US\$	12,50	US\$	50,00	
THAT ARE CARRIED OUT IN THE WORKSITE Concrete in situ Backfilling ft ³ 246,68 US\$ 2,63 US\$ 648,76 Fick 30 (V/min 54 (win overhead costs and business profits) Backfilling ft ³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)	THAT ARE CARRIED OUT IN THE WORKSITE Concrete in studing (in the state in studing) ft ³ 246,68 US\$ 2,63 US\$ 648,76 Rok 30 (in/min) 54 (with overhead costs and business profits) Backfilling ft ³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)		Excavation	ft³	386,98	US\$	0,19	US\$	73,53	overhead costs and
WORKSITE Backfilling ft³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)	WORKSITE Backfilling ft³ 43,13 US\$ 0,13 US\$ 5,39 Excavation - Foundation (with overhead costs and business profits)	THAT ARE CARRIED	Concrete in situ	ft³	246,68	US\$	2,63	US\$	648,76	overhead costs and
	TOTAL PRICE US\$2.325,13		Backfilling	ft3	43,13	US\$	0,13	US\$	5,39	(with overhead costs
	TOTAL PRICE US\$2.325,13									

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	WI		RADITIONA CAST POC					NG 11.50 x 2,3 ft
	ITEM	U. M.	QUANTITY	US\$ /	/ U. M.	C	COST	NOTE
	Steel - Reinforcing bars (Precast Pocket)	lb	610	US\$	0,44	US\$	268,40	Fe B 44 k (The cost does not include overhead costs and business profits)
PRECAST POCKET	Factory produced concrete (Precast Pocket)	ft³	66,24	US\$	1,80	US\$	119,23	Pocket (5,6×5,6×3,6) ft Rck 30 N/mm ² S4 (The cost does not include overhead costs and business profits)
	Labor	Hours	4	US\$	30,55	US\$	122,20	
	Total					US\$	509,83	
	Overhead costs					US\$	152,95	30%
	Total costs					US\$	662,78	
	Minimum ex- works sales price					US\$	828,48	Coefficient 1,25 (The cost includes business profits)
	Amortization of the formworks					US\$	18,00	
	Transport			US\$6	610,00	US\$	101,67	ml 125 / 6 precast elements
	Assembly					US\$	43,00	4 precast pocket x 1 hour (2 unskilled workers + 1 crane)
	Minimum sales price with transport and assembly					US\$	991,14	
	Excavation (Precast Pocket)	ft³	617,80	US\$	0,19	US\$	117,38	13,1x13,1x3,6 ft (with overhead costs and business profits)
	Excavation (footing base)	ft³	446,19	US\$	0,19	US\$	84,78	13,1×13,1×2,6 ft (with overhead costs and business profits)
	Formwork (footing base)	ft²	105,80	US\$	3,05	US\$	322,69	11,5x2,3x4 (with overhead costs and business profits)
	Steel - Reinforcing bars (footing base)	lb	1653	US\$	0,61	US\$	1.008,33	Fe B 44k 6,7 lb/ft ³ (with overhead costs and business profits)
THAT ARE CARRIED OUT IN THE WORKSITE	Concrete in situ (footing base)	ft³	304,18	US\$	2,63	US\$	799,98	Footing base 11,5×11,5×2,3 ft (with overhead costs and business profits)
	Backfilling (Precast Pocket)	ft³	504,90	US\$	0,13	US\$	63,11	Excavation - Pocket (with overhead costs and business profits)
	Backfilling (footing base)	ft³	102,34	US\$	0,13	US\$	12,79	Excavation - Footing base (with overhead costs and business profits)
	Mortar for filling between column and pocket	ft³	14,26	US\$	2,63	US\$	37,49	
		TOTAL	PRICE			US\$	3.437,70	
	PER	CENTA	GE SAVINGS				32%	
	SAVING MADE E		G OUR CON	STRUC	CTION	US\$	1.112,57	
								ļ

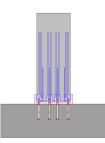


CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS -Precast PAD Foundation VS Traditional cast-in-place footing with connection systems such as PEIKKO or HALFEN

			IONAL CAS					BOLTED x 11.50 x 2,3 ft
	ITEM	U. M.	QUANTITY	US\$	/ U. M.	(COST	NOTE
	Steel - Reinforcing bars (footing base)	lb	1653	US\$	0,61	US\$	1.008,33	Fe B 44k 6,7 lb/ft³ (with overhead costs and business profits)
	Formwork (footing base)	ft²	105,80	US\$	3,05	US\$	322,69	11,5x2,3x4 (with overhead costs and business profits)
	Jig					US\$	60,00	
	Transport and assembly of the jig					US\$	60,00	
	Expansive mortar					US\$	98,00	The cost includes preparation and pourin
	Additional reinforcing bars to join the Jig to the footing reinforcing cage	lb	77	US\$	0,61	US\$	46,97	Fe B 44 k (with overhead costs and business profits)
ACTIVITIES THAT ARE CARRIED OUT IN THE WORKSITE								
	Connection systems (Column- Foundation)	nr	12	US\$	84,00	US\$	1.008,00	Anchor Bolts and Column Shoes
	Excavation (footing base)	ft3	446,19	US\$	0,19	US\$	84,78	13,1×13,1×2,6 ft (with overhead costs and business profits)
	Concrete in situ (footing base)	ft³	304,18	US\$	2,63	US\$	799,98	Footing base 11,5×11,5×2,3 ft (with overhead costs and business profits)
	Backfilling (footing base)	ft³	102,34	US\$	0,13	US\$	12,79	Excavation - Footing base (with overhead costs and business profits)
		тоти	AL PRICE			US\$	3.501,54	
	PE	RCENT	AGE SAVING	s			34%	
	0.01		E BY USING				1.176,41	

		11000		oun	uulioi	110 1144	ilional cast-in-pi
	PRE	ECAST			N (FOC 1.50 x 2	TING) - MC 2,3 ft	NACHINO
V V	ITEM	U. M.	QUANTITY	US\$	/ U. M.	COST	NOTE
PRECAST	Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	1653	US\$	0,35	US\$578,55	Fe B 44k 6,7 lb/ft ³ (The cost does not include overhead costs and business profits)
PAD FOUNDATION (FOOTING)	Factory produced concrete	ft ³	57,50	US\$	1,80	US\$103,50	Rck 30 N/mm ² S4 (The cost does not include overhead costs and business profits)
	Labor	Hours	3	US\$	30,55	US\$ 91,65	
	Total					US\$773,70	
	Overhead costs					US\$232,11	30%
	Total costs					US\$1.005,8	
	Minimum ex- works sales price					US\$1.257,2	Coefficient 1,25 (The cost includes business profits)
	Amortization of the formworks					US\$ 18,00	
	Royalty					US\$127,53	10%
	Transport			US\$	610,00	US\$101,67	ml 125 / 6 precast elements
	Assembly					US\$ 43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)
	Minimum sales price with transport and assembly					US\$1.547,4	
	Assembly system (Column- Foundation)	nr	4	US\$	12,50	US\$ 50,00	4 Anchor Bolts and 8 Threaded Coupler
	Excavation	ft3	386,98	US\$	0,19	US\$ 73,53	12,2×12,2×2,6 ft (with overhead costs and business profits)
ACTIVITIES THAT ARE CARRIED OUT IN THE	Concrete in situ	ft³	246,68	US\$	2,63	US\$648,76	Rck 30 N/mm ² S4 (with overhead costs and business profits)
WORKSITE	Backfilling	ft³	43,13	US\$	0,13	US\$ 5,39	Excavation - Foundation (with overhead costs and business profits)
				1			

This solution is not recommended for Seismic Zones





CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS -Precast PAD Foundation VS Traditional cast-in-place footing with steel corrugated tubes

		PR	ECAST	PAD FOUN 11.		ON (FOC 1.50 x 2) - MOI	NACHINO
	<i>y</i> 1	ITEM	U. M.	QUANTITY	US\$	/ U. M.	C	OST	NOTE
		Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	1653	US\$	0,35	US\$	578,55	Fe B 44k (The cost does not include overhead costs and business profits)
	PRECAST PAD FOUNDATION (FOOTING)	Factory produced concrete	ft³	57,50	US\$	1,80	US\$	103,50	Rck 30 N/mm ² S4 (The cost does not include overhead costs and business profits)
		Labor	Hours	3	US\$	30,55	US\$	91,65	
_		Total					US\$	773,70	
		Overhead costs					US\$	232,11	30%
		Total costs					US\$1	.005,81	
		Minimum ex- works sales price					US\$1	.257,26	Coefficient 1,25 (The cost includes business profits)
		Amortization of the formworks					US\$	18,00	
		Royalty					US\$	127,53	10%
		Transport			US\$	610,00	US\$	101,67	ml 125 / 6 precast elements
		Assembly					US\$	43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)
		Minimum sales price with transport and assembly					US\$1	.547,46	
		Assembly system (Column- Foundation)	nr	4	US\$	12,50	US\$	50,00	4 Anchor Bolts and 8 Threaded Coupler
		Excavation	ft3	386,98	US\$	0,19	US\$	73,53	12,2×12,2×2,6 ft (with overhead costs and business profits)
	ACTIVITIES THAT ARE CARRIED OUT IN THE	Concrete in situ	ft3	246,68	US\$	2,63	US\$	648,76	Rck 30 N/mm ² S4 (with overhead costs and business profits)
	WORKSITE	Backfilling	ft3	43,13	US\$	0,13	US\$	5,39	Excavation - Foundation (with overhead costs and business profits)
			TOTAL	PRICE			US\$2	.325,13	

1	-										
			DITIONAL (CORRUGA								
	ITEM	U. M.	QUANTITY	US\$	/ U. M.	c	OST	NOTE			
	Steel - Reinforcing bars (footing base)	lb	1653	US\$	0,61	US\$	1.008,33	Fe B 44k (with overhead costs and business profits)			
	Formwork (footing base)	ft²	119,60	US\$	3,05	US\$	364,78	11,5x2,6x4 (with overhead costs and business profits)			
	Jig for 16 corrupted tubes					US\$	245,00				
	Transport and assembly of the jig					US\$	123,00				
	Expansive mortar					US\$	281,00	The cost includes preparation and pouring			
ACTIVITIES THAT ARE CARRIED											
OUT IN THE WORKSITE											
	Connection systems (Column- Foundation)	nr	4	US\$	49,00	US\$	196,00	Anchor Bolts and Column Shoes			
	Excavation (footing base)	ft³	514,83	US\$	0,19	US\$	97,82	13,1×13,1×3 ft (with overhead costs and business profits)			
	Concrete in situ (footing base)	ft ³	343,85	US\$	2,63	US\$	904,33	Footing base 11,5×11,5×2,6 ft (with overhead costs and business profits)			
	Backfilling (footing base)	ft³	118,08	US\$	0,13	US\$	14,76	Excavation - Footing base (with overhead costs and business profits)			
		тот	AL PRICE			US\$3	3.235,01				
	PE	RCENT	AGE SAVING	s			28%				
			E BY USING			US\$	909,88				

