

## Rural Borehole Installation Initiative

Borehole Installation Cost									
Item No.	Description	Unit	Qty	Unit Price (USD)	USD	CAD	MK		
1	General								
1.1	Mobilization and demobilization of manpower, equipment and construction materials	LS	1	550.00	\$550.00	\$753.50	926,156.00		
1.2	Site preparation and rigging up before drilling and site clearing and rigging down after drilling	No.	1	150.00	\$150.00	\$205.50	252,588.00		
1.3	Hydrological assessment, geophysical surveys and borehole siting	LS	1	200.00	\$200.00	\$274.00	336,784.00		
<b>Total for Bill No. 1 Carried to summary</b>					<b>\$900.00</b>	<b>\$1,233.00</b>	<b>1,515,528.00</b>		
2	Borehole Drilling Works								
2.1	Drilling 00 to 26m depth	m	26	60.00	\$1,560.00	\$2,137.20	2,626,915.20		
2.2	Drilling 26m to 46m depth	m	20	60.00	\$1,200.00	\$1,644.00	2,020,704.00		
2.3	Drilling 46 Above (Provisional)	m		52.00	\$0.00	\$0.00	0.00		
2.4	Backfill unsuccessful BHs	No.	3		\$0.00	\$0.00	0.00		
<b>Total for Bill No. 2 carried to summary</b>					<b>\$2,760.00</b>	<b>\$3,781.20</b>	<b>4,647,619.20</b>		
3	Well Logging								
3.1	Lithological Logging	LS	1	150.00	\$150.00	\$205.50	252,588.00		
<b>Total for bill No. 3 carried to summary</b>					<b>\$150.00</b>	<b>\$205.50</b>	<b>252,588.00</b>		
4	Supply and Installation of Materials								
4.1	Supply and installation of 125mm plain OD uPVC casing including bail plug and centralizers specified	m	30	11	\$315.00	\$431.55	530,434.80		
4.2	Ditto but screen including centralized as specified	m	16	11	\$176.00	\$241.12	296,369.92		
4.3	Supply and installation of 125mm OD PVC end caps	No.	2	5	\$9.00	\$12.33	15,155.28		
<b>Total for Bill No. 4 carried to summary</b>					<b>\$500.00</b>	<b>\$685.00</b>	<b>841,960.00</b>		
5	Gravel Packing and Well Development								
5.1	Supply and packing well sorted gravel	m3			\$85.00	\$116.45	143,133.20		
5.2	Supply and place puddle clay seal	LS			\$15.00	\$20.55	25,258.80		
5.3	Well cleaning and development	Hr			\$350.00	\$479.50	589,372.00		
<b>Total for Bill No. 5 carried to summary</b>					<b>\$450.00</b>	<b>\$616.50</b>	<b>757,764.00</b>		
6	Plumping Test								
6.1	Constant Test	Hr			\$100.00	\$137.00	168,392.00		
6.2	Recovery Test	Hr			\$100.00	\$137.00	168,392.00		
<b>Total for Bill No. 6 carried to summary</b>					<b>\$200.00</b>	<b>\$274.00</b>	<b>336,784.00</b>		
7	Sanitary and Protection Works								
7.1	Cement Grouting	m3			\$20.00	\$27.40	33,678.40		
7.2	Construction of concrete pad including drainage ditch	LS	1	80	\$80.00	\$109.60	134,713.60		
7.3	Construction of soak away including all assorted works	LS	1	75	\$75.00	\$102.75	126,294.00		
<b>Total for bill No.7 carried to summary</b>					<b>\$175.00</b>	<b>\$239.75</b>	<b>294,686.00</b>		
8	Installation of Pump								
8.1	Afridev Hand Pump Supply and Installation	No.	1	800	\$800.00	\$1,096.00	1,347,136.00		
<b>Total for Bill No. 8 carried to summary</b>					<b>\$800.00</b>	<b>\$1,096.00</b>	<b>1,347,136.00</b>		
9	Miscellaneous								
9.1	Final Borehole Construction Report	No.	1	15	\$15.00	\$20.55	25,258.80		
<b>Total for Bill No. 9 carried to summary</b>					<b>\$15.00</b>	<b>\$20.55</b>	<b>25,258.80</b>		
Summary									
Item No.	Description			Amount (USD)	USD	CAD	MK		
1	General				\$900.00	\$1,233.00	1,515,528.00		
2	Borehole Drilling Works				\$2,760.00	\$3,781.20	4,647,619.20		
3	Well Logging				\$150.00	\$205.50	252,588.00		
4	Supply and Installation of Materials				\$500.00	\$685.00	841,960.00		
5	Gravel Packing and Well Development				\$450.00	\$616.50	757,764.00		
6	Plumping Test				\$200.00	\$274.00	336,784.00		
7	Sanitary and Protection Works				\$175.00	\$239.75	294,686.00		
8	Installation of Pump				\$800.00	\$1,096.00	1,347,136.00		
9	Miscellaneous				\$15.00	\$20.55	25,258.80		
<b>Total for One Borehole</b>					<b>\$5,950.00</b>	<b>\$8,151.50</b>	<b>10,019,324.00</b>		

Risk Management									
Description									
Item No.	Risk Management	Fail Rate	Financial burden	Unit Price	Total Price	USD	CAD	MK	
10.1	Failed Water Drilling (Borehole Drilling Works)	10%	46.40%	\$5,950.00		\$595.00	\$815.15	1,001,932.40	

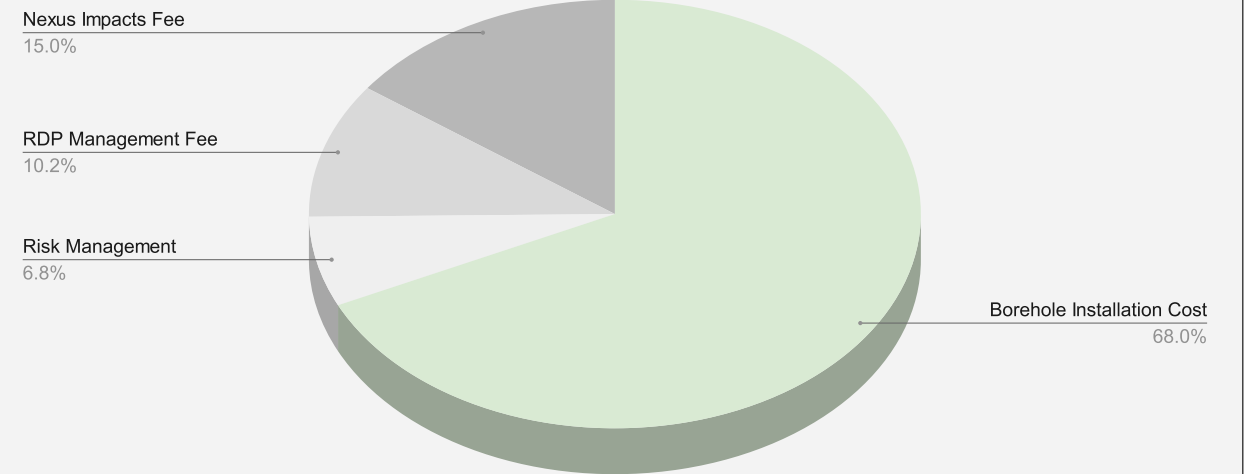
Rural Development Partners Expenses									
Description									
Item No.	RDP Management Fee	Percentage	Unit Price	Total Price	USD	CAD	MK		
11.1	RDP Management Fee	15%	\$5,950.00		\$892.50	\$1,222.73	1,502,898.60		

Borehole installation, RDP Expenses, Risk Management									
Summary									
Item No.	Description	Amount	USD	CAD	MK				
1	General		\$900.00	\$1,233.00	1,515,528.00				
2	Borehole Drilling Works		\$2,760.00	\$3,781.20	4,647,619.20				
3	Well Logging		\$150.00	\$205.50	252,588.00				
4	Supply and Installation of Materials		\$500.00	\$685.00	841,960.00				
5	Gravel Packing and Well Development		\$450.00	\$616.50	757,764.00				
6	Plumping Test		\$200.00	\$274.00	336,784.00				
7	Sanitary and Protection Works		\$175.00	\$239.75	294,686.00				
8	Installation of Pump		\$800.00	\$1,096.00	1,347,136.00				
9	Miscellaneous		\$15.00	\$20.55	25,258.80				
10	Risk Management		\$595.00	\$815.15	1,001,932.40				
11	RDP Management Fee		\$892.50	\$1,222.73	1,502,898.60				
<b>Borehole and RDP Expense</b>			<b>\$7,437.50</b>	<b>\$10,189.38</b>	<b>12,524,155.00</b>				

Nexus Impacts Fee									
Summary									
Item No.	Description	Percentage	Total Borehole	Amount	USD	CAD	MK		
12.1	Nexus Impact Service and fund facilitation fee	15%	\$7,437.50		\$1,312.50	\$1,798.13	2,210,145.00		

Total Borehole Expenses									
Summary									
Item No.	Description	Amount	USD	CAD	MK				
1-9	Borehole Installation Cost		\$5,950.00	\$8,151.50	10,019,324.00				
10	Risk Management		\$595.00	\$815.15	1,001,932.40				
11	RDP Management Fee		\$892.50	\$1,222.73	1,502,898.60				
12	Nexus Impacts Fee		\$1,312.50	\$1,798.13	2,210,145.00				
<b>Total for One Borehole</b>			<b>\$8,750.00</b>	<b>\$11,987.50</b>	<b>14,734,300.00</b>				

### Borehole Expense Allocation



### Borehole Installation Breakdown

