

Bill of Quantity (BOQ)

Name of work: Supplying of Shallow Tubewell Materials (for Installation of SWT)
 Type of pipe system use: UPVC
 Depth: 18m
 FY: 2079/080

Office Name: PMAMP PIU Rautahat
 Size of pipe : 114 mm OD dia.

S.N	Description of the work	Required Specifications	Offered Specifications by suppliers	Unit Qty	Rate	Amount	Remarks
A STW Construction Materials							
1	UPVC Pipe	114 mm OD dia., (2.40-2.50Kg/RM.)		rm.			
2	PVC Ribbed Screen Filter	114mm OD dia., (2.40-2.50 g/RM.)		rm.			
3	G.I. Pipe	Class Medium, Dia: 110mm(NB-100mm), weight>16kg with thread cutting, (wall thickness:>4mm), length: 1.50m, having both side thred and writing office code name with red colour enamel paint.		no.			
4	G.I Bottle Tee-reducer	4"x3"x1.5", weight :-2.8-3.2 Kg.		no.			
5	4" CI Check valve	Weight: 3.30-3.50Kg.		no.			
6	4" PVC well plug	4" PVC for bottom of SWT Hole		no.			
7	MS hand pump small	Weight: 2.3-2.50Kg.		no.			
8	Water seal tread tape	≥(19*23* 0.2)mm * 0.35g/cm		no.			
9	M-seal	wt.: 100gm (contains 50gm of Resin base and 50gm of hardener)		gm		100.0	
10	PVC Solvent Cement	PVC content ≥10.5% by mass, use for joining of UPVC pipe and its		ml.		400.0	
11	Section pipe	Dia. 3" OD, polyvinyl chloride(PVC) For 2HP electric motor		rm.		1.0	
12	Elbow (Band/L)	GI, dia: 3", for delevry head (outlet) of 2HP electric motor		no.		1.0	
13	G.I Nipple	GI, dia: 3" & length: ≥4", for suction and delevry head side (inlet&outlet) of 2HP electric motor		no.		2.0	
14	Force nipple	Dia: 3" Bras, length ≥ 4", for delevry head side(outlet) of 2HP electric motor		no.		1.0	
15	Centrifugal pump (Electric Motor)	Power(HP): 2, Size (inlet/outlet): 80mmX80mm, Head range: 6 m to 12m, Phase :- 1, Voltage: - 160V-240V, Maximum current: - 13.5A, Mini. rpm: - 2600 rev./min., Mini. Discharge: 8 lps Application/Purpose: Used to supply water to the field for irrigation, Block: Heavy duty monoblock type, Winding: Pure copper winding, Leakage proofing: Stainless steel mechanical seal, Impeller: forged brass/Allow, Pump shaft: Stainless steel, Operating manual: english, Certification: ISO/ISI/NS, Make: - Kirloskar/Crompton or equivalent as per as farmer demand.	make:- model:-	set.		1.0	
Sub-Total							
Vat 13%							
Total Cost of Materials							


 26/10/20
 सि० वरिष्ठ कृषि अधिकारी

Bill of Quantity (BOQ)

F.Y: 2079 / 080
Depth: 18.3m

Name of work: Supplying of Shallow Tubewell Materials (for Installation of SWT)
Type of Pipe System use: HDPE

Office Name: PMAMP, PIU Rautahat
Size of pipe : 110mm dia.

S.N.	Description of the work	Required Specifications	Offered Specification by supplier	Unit	Quantity	Unit Rate (Rs./sq. meter)	Amount (Mrs.)	Amount in Word	Remarks
STW Construction Materials									
1	HDPE Pipe	Dia.:110 mm,6kg pressure, NS 40 or Equivalent.		rm.	18.3				
2	G.I. Pipe	Class:Medium,Dia.:110mm(NB-100mm), weight>16kg with thread cutting, (wall thickness:>4mm), length:1.50m, having both side thred and writing office code name with red colour enamel paint.		no.	1.0				
3	G.I Bottle Tee- reducer	4"x3"x1.5", weight :-2.8-3.2 Kg.		no.	1.0				
4	Hand pump small	MS, wt.: 2.2-2.50Kg.		no.	1.0				
5	Silver net(Mesh/Filter jali)	material silver, max.mesh width 18", for filter in HDPE Pipe		m	6.0				
6	Water seal tread tape	z(19*23*0.2)mm * 0.35g/cm		no.	4.0				
7	Nylon rope	wt. of one roll: ≥36gm.& dia: ≥ 2.5mm		roll	5.0				
8	M-seal	wt.:100gm (contains 50gm of Resin base and 50gm of hardener)		gm	100.0				
9	Section pipe	Dia.3" ODpolyvinyl chloride(PVC) For 2HP electric motor		rm.	1.0				
10	Elbow (Band/L)	GI,dia: 3", for delivery head (outlet) of 2HP electric motor		no.	1.0				
11	G.I Nipple	GI,dia: 3" , & length: ≥4" , for suction and delivery head side(inlet&outlet) of 2HP electric motor		no.	2.0				
12	Force nipple	Dia:3" Bras,length ≥ 4",for delivery head side(outlet) of 2HP electric motor		no.	1.0				
13	Centrifugal pump (Electric Motor)	Power(HP):2,Size(inlet/outlet):80mmX80mm,Head range:-6 m to 12m, Phase :-1, Voltage:- 160V-240V/Maximum current:-13.5A,Mini.rpm:- 2600 rev./min., Mini.Discharge:8 lps Application/Purpose:Used to supply water to the field for irrigation, Block: Heavy duty monoblock type,Winding: Pure copper winding, Leakage proofing:Stainless steel mechanical seal,Impeller: forged brass/Allow, Pump shaft: Stainless steel, Operating manual:english,Certification: ISO/ISI/INS, Make:- Kirloskar/Crompton or equivalent as per as farmer demand.	make:- model:-	Set.	1.0				
Total									
Vat 13%									
Total Cost of Materials (with Vat)									

Handwritten signature and date: 26/1/20