

SCHEDULE OF QUANTITY

NAME OF WORK :-Aug. of LWSS Shillai in Tehsil Shillai Distt. Sirmour(HP)(SH:- Replacement of Old Centrifugal Pump Sets)

Stage-2nd

Estimated Cost:Rs.378000/-

Earnest Money: Rs.7600/-

Time: Two months

S.NO.	DESCRIPTION		QTY	RATE	UNIT	AMOUNT
1	Stage-2nd					
1	Supply, erection, testing & commissioning of horizontal spindle, horizontal split casing, radial split Single, Multistages centrifugal pumps of KSB make Model- HDA 65/10 , HP= 180 HP conforming to BIS 1520-1980 with upto date ammendments read with BIS 9137-1978 or latest edition to handle clear water having turbidity up to 50 ppm. with impelleres, casing ring, priming funnels & shaft sleeves of bronze, shaft of steel with cast iron casing of suitable capacity coupled directly through a flexible coupling on the existing common base plate of Mild steel to the existing Crompton make Motor of 180 BHP alongwith slip ring /squirrel cage screen protected drip proof induction electric motor suitable for operation on the data given below.		1		P/Set	
a)	Total Head in mtrs (i/c depth of Column Pipe in case of t/well) :	622.50 mtr.	Set			
b)	Discharge Capacity (in LPS)	12.09 LPS				
c)	Dia of R/Main (in mm)	125mm				
d)	Dia of Column pipe (in mm)					
A)	SITE CONDITIONS:-		Non Moterable			
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i)	Location of Site:-					
ii)	The altitude of place in which the motor is intended to work:-	1487.59 mtr	mtr.			
iii)	Humidity:-	Wheather Generally remains humid during monsoon season				
iv)	Nature of atmosphere:-	As normally encountered in Shivalik Ranges				
v)	Detail of quality of water :-					
vi)	Water free from sand or not:-					
vii)	Water corosive or not:-	---				
viii)	Turbidity :-	---				
ix)	NPSH available:-	(+ve) Positive				
x)	Any other information or requirement	---				

S.NO.	DESCRIPTION		QTY	RATE	UNIT	AMOUNT
B)	OPERATING CONDITIONS:-					
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i)	Type of current:-	AC three/single phase				
ii)	Operating frequency:-	50 HZ				
iii)	Rated voltage:-	400 (+/-) 10% volts				
iv)	System of earthing if any to be adopted:-	Double loop earthing as per BIS 3043-1987 latest with upto date ammendments				
v)	No. of working hours per day:-	8 hours				
vi)	Speed of revolution:-	To be quoted by tenderer				
vii)	Direction of rotation:-	To be quoted by tenderer				
viii)	The max. Temp. of cooling air & water in the place in which the pumpset is intended to work in ordinary service:-	35 Degree Centigrade				
C)	PUMP :					
a)	Nos of pumps reqd.:-	1 No.Pump(Ist.will discharge of 12.09 LPS)				
b)	Spare parts required:-	For two years normal maintenance as recommended by manufacturer.				
c)	Optional fittings reqd.:-	Air cock for exhausting aire from each stage				
E)	PUMP OPERATING CONDITIONS:-					
			As per condition attached			
i)	Capacity (in LPS)	12.09 LPS				
ii)	Total head (in Mts).:-	622.50 mtr.				
	If total head is not known then following details be provided:-					

