

SCHEDULE OF QUANTITY

NAME OF WORK :- R/M of GWSS Chopal Town, Tehsil Chopal Distt. Shimla (H.P.) (SH:- Jackting/Balooning of water storage tank (i) 100000 L cap. Near civil Hospital and (ii)31900 L cap. Near forest Rest House).			Estimated cost:-	338897.00	
			Earnest money:-	6778.00	
			Time:-	2 months	
Sr.No.	Desription of items	Qty.	Rate	Unit	Amount
1	Providing and fixing water Holding Membrane/Jacketing liner for wall and Bottom Laminated high Density polyethylene (HDPE) Fabrics for lining Woven Fabric with BIS standard IS 15351:2015 Type II 500 Micron,NSF/ANSI Standard 61 certification,(Typical Value) 415 g/m2, Nominal Thickness ASTM DI 777 (0.6mm) , Hydrostatic Resistance ASTMD751 525 lb/m2 , Hydraulic Conductivity ASTM E96 (B) 1.0-14 cm/s strip Tensile srenght ASTM D7003 MD 265 (IBg), Trapezoidal Tear ASTM D4533 63(IBf) Low Teperature Brittlenless ASTEM D 2136 Pass @ - 60° F) Grab Tensile Strenght (MD) ASTM D751 385 lbf including drilling suitable holes in reinforced of plain cement concrete with power driven drill machine to a minimum depth of 100 mm upto 200mm in RCC beams, Lintels, Columns and slabs to introduce steel bars for sunshades balconies including fixing the steel bars in position using epoxy resin achor grout of approved make but excluding the cost of reinforcement including cost of bolts etc. The bolts are manufacture using rust proof passivity steel, and are yellow zic plated to give additional. Our bolt kit includes a nut and 3 malleable iron expansion segments connected together by a ring.These anti-vibration nature bolts ensure safe working and can screw fasten conc. and rock including, erecting, maintaining and removing temporary protective screens made out of specified febric with all necessary fixing arrangement ot ensure that it remains in position for the work duration as required by the Engineer-in-Charge 26 36 1 Wooven PVC cloth as per direction of the Engineer-in-Charge complete in all respect including all leads and lifts and carriage of material to the site of work.				
(i)		100000.00		Per Liter	
(ii)		31900.00		Per Liter	
2	Providing and laying fixing wall protection layer Non Woven Gerotexile 300 gsm Thickness ASTM B 5199 21 mm MASS ASTM D 5261300 GM/M2 , Wide width tensile Elongation ASTM 4595 50/50% , Grab Tensile Stsrenght md ASTM D4632620 N. Trapezoidal Tear strenght ASTM D4533 MD 300 N, Mullen Burst ASTM D3786 250 PSLCBR Puncture Strenght ASTMD6241 1900N, Floor rate (5cm Head) ASTM 4491 125L/S M2 , UV Resistance ASTM G154@ 500 Hrs > =50% as per direction of Engineer-in-Charge. complete in all respect including all leads and lifts and carriage of material to the site of work.				
(i)		100000.00		Per Liter	
(ii)		31900.00		Per Liter	
				Total	0.00

TERMS AND CONDITIONS:-

- 1 The work shall be carried out in accordance with the HPPWD specification. The decision of the Engineer In charge shall be final and binding to the contractor.
- 2 The contractor shall be responsible for any loss /damage /theft of materials while in his custody.
- 3 The contractor must see the site of work and study the specification conditions carefully before tendering, the work
- 4 The manufacturing firm/Agencies should have at least 5 years working experience from Laminatede HDPE woven Fabric Geomembrane type II for water proofig lining under BIS
- 5 The manufacturing firm/agency must have certificate or any appreciation letter of ay water technology centers.
- 6 The manufacturing firm/agency must have the experience certificates in supplying & installing of this kind of tanks in hilly area under Govt. organization.
- 7 The manufacturing firm/Agencies must have NSF/ANSI standard 61 Certification (focuses on drinking water components-Health effects) water holding liner.
- 8 The manufacturing firm/Agencies must have BIS 15351:2015 standard specification certified quality mark water holding liner/Membrane.
- 9 The manufacturing firm/Agencies must have the test report indicating the effect of chlorinated water on the surface of membrane, Delivering not less than 20 years of lifespan.
- 10 The Wet-comb water holdingMembrane/Jacketing Liner as offeredby the firm is warranted against the any defect/damage/cracks etc for a period of one year subject to the condition that
- 11 The Wet-comb Membrane/Jacketing Liner shall not have any adverse effect due to chlorination.
- 12 GST & other taxes shall be deducted from bill as per prevailing Govt. rate.
- 13 The work will be completed within the stipulated period.

Executive Engineer,
IPH Division Nerwa.