

SCHEDULE OF QUANTITY

Name of work:- Providing LWSS to village Sanawar in G.P. Garkhal Sanawar in Tehsil Kasauli Distt. Solan (HP) (SH:- C/O RCC Sump well, P/L of Rising Main of 32mm dia and P/I of Pumping Machinery submersible pump of 3.0 HP of 1 Set).

Estimated Cost:- 140647/-
Earnest Money:- 2900/-
Time Period:- 3 Month

S.No.	Description of items	Qty.	Rate		Unit	Amount
			In Fig.	In Words		
1	Excavation in foundation and trenches in all type of soil such as pick work jumper work Kankar, moorum, shingles including decomposed soft and hard rock etc. upto all heights stacking the excavated earth not more than 3mtrs clear from the edge of excavation and then returning the stacked soil in 15cm layers when required into plinths sides of foundations etc. consolidating each deposited layers by ramming and watering and then disposing of all surplus excavated earth in all leads and lifts & as per directed of the Engineer in-charge.	46.6			P/Cum	
2	Excavation in drain and channels etc. in earth work in all kinds of soil such as kankar Moorum, Shingles, Conglomerate saturated soil decomposed or soft rock & hard rock by blasting/ chiselling (where blasting is prohibited) including dressing of sides and beds, disposing of excavated earth with all leads, lifts disposed earth to be levelled and nearly dressed and returning the stacked soil in to foundation and trenches etc. including ramming and watering and than consolidating the same wherever required with all leads, lifts, including jungle clearance and as per direction and as per direction of the Engineer-in-charge.	45			P/Cum	
3	Providing and laying cement concrete 1:3:6(1cement:3sand:6graded stone aggregate 20mm nominal size and curing complete excluding cost of form work in foundation and plinth including entire carriage of material upto all leads and lifts.	3.48			P/Cum	
4	Providing and laying cement concrete 1:1.5:3(1cement:1.5approved sand:3approved graded stone aggregate 20mm nominal size)and curing complete excluding cost of form work and reinforcement for reinforced concrete work in:-	2.39				

a)	Flat surfaces such as soffits suspended floors roofs, landings and the like floors etc upto 200mm in thickness.	2.39			P/Cum	
b)	Vertical surface such as wall of (any thickness) partition and the like including attached pillaster buttresses plinth and string courses and like and as per the direction of Engineer-in-charge .including entire carriage of material upto all leads and lifts.	4.63			P/Cum	
5	Providing and laying cement concrete 1:2:4(1cement:2approved sand:4app.graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work & reinforcement for reinforced concrete work in suspended floor,roofs, landing and shelves and their supports balconies,beam,girders bressumers and cantilevers upto floor two level.including entire carriage of material upto all leads and lifts.	1.28			P/Cum	
6	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish. Including centring,shuttering strutting and propping etc. with wooden battens and ballies height of propping and centring below supporting floor to ceiling not exceeding 4mtrs and removal of the same for insitu reinforced concrete and plain concrete work in:-					
a)	Flat surfaces such as soffits suspended floors roofs, landings and the like floors etc upto 200mm in thickness .including entire carriage of material upto all leads and lifts.	11.42			P/Sqm	
b)	Vertical surface such as wall of (any thickness) partition and the like including attached pillaster buttresses plinth and string courses and like and as per the direction of Engineer-in-charge .including entire carriage of material upto all leads and lifts.	61.76			P/Sqm	
c)	Edge of slabs and breaks in floors and walls under 20 cm wide and as per the direction of Engineer-in-charge including entire carriage of material upto all leads and lifts.	12.85			P/Sqm	
7	Providing tor steel reinforcement for RCC work including bending, binding and placing in position complete floor upto two level.	580.63			P/Kg	

8	Manufacturing, supplying and fixing of M.S. frame 40x40x6mm ferro cement manhole cover consisting corner M.S. angle 30x30x5mm and inside welded mesh 40x40mm ² with lifting and locking arrangement and engraving with IPH-Solan-11 on each cover complete in all respects as per approved design and drawing with in all leads and lifts as per direction of Engineer-in-charge.	1			No.	
9	Prrov.and fixing Gun matel full way valve with wheel complete in all respect 32mm dia.	1			Each	
10	10mm cement plastering in single coat on fair side of bricks/ concrete walls for internal plastering upto floor two level i/c arrises internal angles, chambers not exceeding 80mm in girth and finished even and Smooth in cement mortar 1:3 (1Cement:3sand) with in all leads & lifts.	36.75			P/Sqm	
11	Laying, jointing, testing and commissioning in trenches galvanised mild steel tube of 32mm dia (Light grade) including providing and fixing tube fittings such as reducer increasers, sockets, union,tees,bends etc. where ever required (earth work in trenches to be measured and paid for separately) and as per the direction of Engineer-in-charge including entire carriage of material upto all leads and lifts.	150.00			P/Rmt	
<u>Pumping machinery</u>						
12	Providing, lowering and installing submersible pump conforming to IS 9034-1976 alongwith directly coupled submersible type squirrel cage electric induction motor suitable for operation on 230 Volt.1 phase 50 C.P.S A.C supply, water lubricated bearing and provided with pivoted segment type thurst bearings to with stand non vertical lead with minimum bear and tear and dully fitted withdevice to take upto the expansion of water with heating of motor complete in all respect.including entire carriage of material upto all leads and lifts (Make KSB/Kirlosker or Crompton) Discharge:-1.51 LPS, Head:-75 mtr	1 set of 3HP			P/HP	
13	Supply and fixing of control panel for submersible pump complete with shaft and angle iron, febricated dully painted and complete with internal wiring and comparising of air break starter mainswitch of suitable Amp., T.P. volt meter, ameter, phase indicating lamps water level guard and single phase preventor.including entire carriage of material upto all leads and lifts.	1			Each	

14	Supply and fixing submersible cable to submersible sets 2.5mm ² .including entire carriage of material upto all leads and lifts.	25			P/mtr	
15	Supplying and fixing supporting clamps to submersible pump sets including entire carriage of material upto all leads and lifts.	2			Each	
					Total:-	

TERMS AND CONDITIONS:-

- 1 The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason thereof
- 2 The work will be got executed as per IPH/PWD specification.
- 3 Security, GST will be deducted from the contractor's bill as applicable.
- 4 Nothing will be paid for sub-standard work/material.
- 5 Work shall be started within 15 days after the date of award and completed in stipulated period.
- 6 Stone aggregate/sand shall be used of approved quarry.
- 7 The quoted rates should include all taxes and carriage charges etc. and nothing extra will be paid on this account
- 8 Useable material found at site while execution will be stacked properly and the same will be the property of the department.
- 9 Cement @ 275/-per bag & steel @ 4700/- per qtl will be issued from the IPH Store Solan
- 10 Empty bag required to be handed over to the deptt otherwise the recovery @ Rs. 5/-per bag will be made.
- 11 Royalty for the material i.e. Sand, aggregate & stone shall be deducted from the bills as applicable
- 12 Contractor shall be responsible for all leakage in the jointing of pipes, which shall be set right by the contractor at his own cost
- 13 G.I. pipes will be issued to the contractor free of cost on proper indent at IPH Store Solan. Further carriage and watch and ward will be the responsibility of the contractor. Shortage of G.I. pipe will be recovered on double rate as per Store issue rate.
- 14 Guarantee:- The material offered be guarantee for a period of one year from the date of commissioning of the pump

**Executive Engineer,
IPH Division Solan**