

SCHEDULE OF QUANTITY					
Name of Work :	C/O Flow Irrigation Scheme Kasher Nallah to Shangchar in Tehsil Manali Distt. Kullu (SH:-C/O Main Kuhl from RD 3120 to 3750=630 Rmt, C/O 1 No outlet chamber and C/O expansion joints)			Estimated Cost Rs:-	4,98,483
				Earnest Money Rs.:-	10,000.00
				Time Limit :	6 Months
Sl. No.	Description of work	No.or Qty.	Unit	RATE	AMOUNT Rs. P
1	Cutting in all kinds of earth work such as Pick work, Jumper work, blasting/chiseling where blasting is prohibited in soft hard rock or any such mixed or other variety of soil /rocks stacking of serviceable materials to specified dimensions and disposal of un-serviceable materials at the place specified by the Engineer - in -charge disposed earth to be leveled & neatly dressed - including all leads and lifts.	243.60	Cum		
2	Excavation in drains and channels etc.in all kind of soil in all leads and lifts such as pick work,jumper work in saturated/unsaturated soil including bailing out water,blasting work in hard/ soft rock or chiselling in hard/soft rock where blasting is prohibited in all lifts including dressing of sides and beds and disposing of all surplus excavated earth as directed within all leads and lifts and handing over the useable materials available from excavation to the department free of cost as per direction of Engineer-in-charge within all leads and lifts	159.81	Cum		
3	Excavation in foundation and trenches (For pipes and pits) up to all depths and in all classification of earth work such as pick work, jumper work, situated soil including bailing or pumping out water, blasting soft/ hard rock, chiseling /wedging of soft / hard rock where blasting is prohibited, in all lifts including trimming and dressing of sides, leveling of beds to correct grade including shoring, strutting, planking, timbering and dewatering wherever required. Stacking usable and unusable material /soil separately and after laying jointing and testing of pipes, returning the usable soil in 15cm layers by ramming and watering and then disposing of all surplus excavated soil/ unusable material as directed with in all leads/ lifts including restoration of un-metalled surfaces to its original conditions and including cost of diversion for traffic, night signal boards, fixing caution boards, crossing over trenches for access to houses, fencing etc. Complete in all respects within all leads and lifts as per direction of the Engineer-in-Charge.	3.15	Cum		
4	Providing and laying cement concrete 1:4:8 (1cement: 4 sand: 8 graded crushed stone aggregate 40mm nominal size )and curing complete excluding cost of form work in foundation and plinth with in all leads & lifts as per the entire satisfaction & direction of Engineer - in - charge.	0.34	cum		
5	Providing and laying cement concrete 1:3:6 (1cement: 3 sand: 6 graded crushed stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth with in all leads & lifts as per the entire satisfaction & direction of Engineer - in - charge.	0.50	Cum		
6	Providing and laying cement concrete work 1:1.5:3 (1cement :1.5 sand: 3 graded crushed stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work with in all leads and lifts as per the entire satisfaction & direction of the Engineer - in - Charge. in: -				
6.1	Foundation and plinth	0.34	Cum		
6.2	Wall ( any thickness but not less than 0.10 mtrs. Thickness) including attached pilasters buttresses, plinth and	0.76	Cum		
7	Providing from work with steel plates 3.15 mm thick welded with angle iron in frame 30x30x5 mm so as to give a fair finish i/c cantering, shuttering, strutting and propping etc. with wooden battens & ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 meters and removal of the same for in situ reinforced concrete and plain concrete work with in all leads and lifts as per the entire satisfaction & direction of the Engineer-in-charge in: -				

7.1	(i)Vertical surfaces such as wall(any thickness) parti tions and the like including attached pilasters, buttresses, plinth and string courses and the like -	10.50	Sqm		
8	Fixing ,Laying /Placing Mild steel/tor steel reinforcement for RCC. Work including binding bending and placing in position complete up to all floor level	99.00	Kg		
9	Dressing of sides and bed including preparation of sub grade for cement concrete lining workcomplete in all respect as per the direction of Engineer-in-Charge				
9.1	In Bed	308.70	Sqm.		
9.2	On side slopes	459.90	Sqm.		
10	Cement concrete lining 7.5 cms thick for irrigation channel,using cement concrete 1:3:6(1cement :3 sand :6 graded stone agg.20mm nominal size) with hand mixed concrete in bed and side slop curing complete excluding the cost of form work within all leads and lifts.				
10.1	In Bed	23.15	Cum		
10.2	On side slopes	35.81	Cum		
11	Extra allowance of form work in concrete lining onside slopes within all leads and lifts.	36.38	Cum		
12	Stone soiling properly hand packed filling in intermits with kharanja stone with hand power roller to required gradient in all leads and lift .	5.00	Cum		
13	Providing and fixing 150mm wide & 8mm thick PVC water stops or seals with ribbed design and central bulb using hydrolic liquid retaining structure made of high quality product and well designed capable of with standing water pressure upto 40 mtrs. on either side of joint for use in job construction expansion and contraction joint water barrier in concrete structure by placing the water stop in edges of adjacent concrete component. The water stop should be as per the ISI slandered specification and to the entire satisfaction & direction of Engineer - in - charge.	31.50	Mtr		
14	Providing and fixing in position 12mm thick impregnated fiber board in expansion joint with in all leads and lifts.	126.00	Mtr		
15	Providing and filling in position blown bitumen in expansion joint with in all leads and lifts.	37.80	Mtr		
<b>Total in Figures</b>					

**TERMS AND CONDITIONS:-**

- 1 The work shall be done by the contractor as per HP IPH specifications in practice , IS codes and to the satisfaction of the Engineer-in-Charge.
- 2 Security, GST if applicable and Income tax, labour cess will be deducted from each bill of the contractor as per latest Govt.amendments.
- 3 Any other materials related for use in work shall be arranged by the contractor himself within his quoted rates.
- 4 Nothing shall be paid for defective/incomplete work/rejected materials.
- 5 No change of specification shall be permissible without permission of Engineer-in-Charge.
- 6 Cement shall be issued @ **Rs.301/- per bag** against Indent at Divisional Store at Bandrol.
- 7 Sand / aggregate of approved quarry shall be used.
- 8 Any damage caused shall be promptly restored by the contractor at his own expenses.
- 9 Nothing extra will be paid beyond the approved rates, if the alignment of pipe is changed due to site condition.
- 10 The work should be completed with in the stipulated period as mentioned.
- 11 The contractor to be provided labour register of workers and verified from the labour officer before made the payment under (RE and C.S. Act)
- 12 The contractor must visit the site of work before quoting the rates for the above work.
- 13 Steel will be issued by the department free of cost at Divisional store Bandrol.
- 14 The contractor shall be responsible for any loss /damage /theft of materials while in his custody.
- 15 Useable material found at site while execution will be stacked properly and the same will be the property of the department.
- 16 The undersigned reserve the right to accept or reject any or all the tender without assigning any reasons thereof.
- 17 The cost of employer provident fund (EPF) & employer state insurance (ESIC) shall be borne by the contractor. Deposit of the same will be

Executive Engineer  
IPH Division No-I Kullu