

SCHEDULE OF QUANTITY						
Name of work:-C/O Lift Irrigation scheme Gojjar Adren in Tehsil Paonta Sahib Distt. Sirmour (HP)				Estimated Cost Rs.1069764/-		
(SH:- Drilling lowering of assembling & development of 2 No. T/wells 40 mtr. deep)				Earnest money Rs.21400/-		
				Time:- Four months		
Sr.No	Description of items	Qty.	Rate	Unit.	Amount.	
1	2	4	3	5	6	
1	Transportation of rig alongwith allied accessories etc.complete including erection and leveling at site , through all kinds of roads approaches fields etc . In all leads and lifts upto site of work.Complete in all respects as per the direction of Engineer incharge.	2	No.	each		
2	Earth work in foundation for digging tubewell in all kinds of soils including dewatering , shoring , strutting from GL upto 5 mtr.,including disposing excavated soil in all leads, and lifts,complete in all respects as per direction of Engineer-in-charge. 0 to 5 mtr.	31.42	Cum	P/Cum		
3	Drilling of bore as per specifications laid down in IS: 2800-1991(Part-I)with up-to-date ammendments, if any,with percussion drilling Rig starting with 650-600 mm dia M.S.pipe reduced to 450-400mm dia M.S. pipe confirming to IS 4270-2001 with up-to-date ammendments , if any. In all kinds of soils,boulders, rocks, collapsible strata, saturated soils , artesian conditions including the cost of all consumables, stores, water fuel , lubricants and other accessories etc. complete in all respects as per the directions of Engineer-in-charge.					
(i)	Drilling and lowering of M.S.casing pipes confirming to IS 4270-2001 with up-to-date ammendments if any of suitable sizes as mentioned above from 5 to 30 mtrs below ground level within all leads and lifts.	50	mtr	P/mtr.		
(ii)	Drilling and lowering of M.S.casing pipes confirming to IS 4270-2001 with up-to-date ammendments if any of suitable sizes as mentioned above from 30 mtrs to 40 mtrs. below ground level within all leads and lifts.	20	mtr	P/mtr.		
4	Collection , preservation and display of suitable size sample box with top lid and locking arrangement till handling over of the tube well to the department, complete in all respects as per directions of the Engineer-in-charge.	2	No	each		
5(a)	Supplying and lowering of IS marked Electric Resistance welded M.S. pipe 300mm dia nominal size housing ,8 mm thick having out side dia mtrs. 323.9 mm , screwed end,	70	mtr	P/mtr.		
(b)	Lowering at site electric resistance welded (ERW) stainless Steel Cage type-"V" wire wound screens of size 300mm , 8mm thick with slot opening 1.0 mm as per IS 8110-2000 with upto date ammendments , if any, and material specifications as per AISI " American Iron and Steel Inst" Type Grade SS- 304 in suitable lengths as per site conditions, including the cost of SS socket	10	mtr.	P/mtr.		
	longitudinal special various tensiule supper rods to provide smooth unrestricted bore which are in turn welded into cylindrical ring couplings on both of screens.					
6	Providing and fixing M.S. centralized guides at suitable spacing for each tube well as per S-226-1991 with up-to date ammendments, if any, within all leads and lifts, 1x4 Nos. complete in all respects as per the directions of the Engineer-incharge.	8	Nos	each		

Sr.No	Description of items	Qty.		Rate	Unit.	Amount.
7	Supplying, lowering and fixing in position IS marked mild steel bail plug of 200 mm/300mm dia meter with "U" hocks as per IS:2800-1991 with up-to-date amendments, if any ,within all leads and lifts, complete in all respects as per directions of the Engineer incharge.	2	No.		each	
8	Providing and fixing in position threaded iron cap with locking arrangements of approved design to prevent foreign matter from getting into bore hole, as required , within all leads and lifts, complete in all respects as per directions of the Engineer incharge.	2	No.		each	
9	Supplying and packing of gravel.consisting of hard quartz or other suitable material, with an average specific gravity of not less than 2.5. not containing more than 2% by weight of thin flat or elongated pieces, shall be of sub rounded to rounded grains with minimum angular features of size 2- 2.35 mm, shall be free from impurities such as shafe, shale, mica, felspar,clay, sand,dirt,loam ,haematite and organic materials as per IS:4097-1967 with upto date amendments ,if any around intake of tubewell with minimum thickness of shroud around screen generally 100mm to the entire depth of the bore as per IS:2800 (Part-I) 1991 with upto date amendments, if any, with in all leads and lifts complete in all respects as per directions of the Engineer-in-charge.	80	mtr		P/mtr.	
10	Extraction of all sizes blind/casing pipes with machine starting from the bottom of the bore hole, within all leads,lifts complete in all respects as per directions of the Engineer- in charge as follows:					
	(a) In contact with soil	80	mtr		P/mtr.	
	(b) Freely hanging	100	mtr		P/mtr.	
11	Development of tubewell by back washing method, with air compressor of minimum 750 CFM capacity, pumping pipe of 200mm size and air line of minimum 65mm size or with other suitable method, till the well is thoroughly developed as per clause 4.2 of IS 11189: 1985, with upto date amendments, if any ,complete in all respects as per directions of the Engineer in-charge.	24	hrs		P/hour.	
12	Development of tubewell by continuous over pumping method, with VT pumps/submersible pumps of suitable capacity not less than double the discharge established by the compressor method / design discharge , until l the well is sand free as per IS:11189-1985 with up-to-date amendments, if any ,complete in all respects, as per directions of the Engineer-in-charge. The draw down and discharge to be established by running the VT/submersible pump continuously for 8 hours in the presence of officer not less than the rank of Assistant Engineer.	30	hrs		P/hour.	
13	Testing of verticality of the tubewell as per clause 4.3 of IS 2800 (Part-II): 1979 with upto date amendments, if any, using plumb or plunger 6mm smaller in dia within the inside diameter of the well casing. The results of the verticality test shall be recorded on proforma shown in Appendix A of IS:2800(Part-II) -1979 with upto date ammendments, if any ,as appended with the tender documents and handed over complete in all respects as directions of the Engineer-in-charge.	2	Job		Job	
14	Dismantalling of Rigs or other allied accessories after completion of job within all leads and lifts, complete in all respects as per directions of the Engineer-in-charge.	2	Nos		each	
15	Handing over of the tubewell in complete shape as per appendix B of the clause 7 of IS: 2800 (Part-II) 1979 with upto date ammendments, if any, as appended with the tender documents, in laminated form , in triplicate. Complete in all respects as per directions of the Engineer-in-charge.	2	Job		P/Job	
					Total:-	
					Executive Engineer,	
					I&PH Division.,	
					Paonta Sahib(HP)	