	SCHEDULE OF QUANTITY			**Estimated Cost Rs.1157127/-**	
Name of work:- Prov. LWSS to village Sainwala (Under SCCP) in Tehsil Paonta Sahib Distt.Sirmour (HP)				**Earnest money Rs.23150/-**	
(SH:- Drilling lowering of assembly and development of T/well 125mtr, deep)				**Time:- 45 Days.**	
Sr.No	Description of items	Qty.	Rate	Unit.	Amount.
1	2	3	4	5	6
1	Transportation of rig alongwith allied accessories etc.complete	1 No.		each	
	including errection 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	Earth work in foundation for digging tubewell in all kinds of soils	15.71 m3		P/mtr.	
	including dewatering , shoring , struting 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.				
3	Drilling of bore as per specifications laid down in IS: 2800-1991				
	(Part-I)with up-to-date ammendments, if any,with percussion Rig				
	or combination thereof, 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 amendments , 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-	25 mtr.		P/mtr.	
	2001 with up-to-date amendments if any of suitable sizes as				
	mentioned above from 5 to 30 mtrs below ground level within all				
	leads and lifts.				
(ii)	Drilling and lowering of M.S.casing pipes confirming to IS 4270-				
	2001 with up-to-date amendments if any of suitable sizes as	30 mtr.		P/mtr.	
	mentioned above from 30mtrs to 60 mtrs. below ground level				
	within all leads and lifts.				
(iii)	Drilling and lowering of M.S.casing pipes confirming to IS 4270-	30 mtr.		P/mtr.	
	2001 with up-to-date amendments if any of suitable sizes as				
	mentioned above from 60 mtrs to 100 mtrs. below ground level				
	within all leads and lifts.				
(iv)	Drilling and lowering of M.S.casing pipes confirming to IS 4270-	35 mtr.		P/mtr.	
	2001 with up-to-date amendments if any of suitable sizes as				
	mentioned above from100 mtrs to 125 mtrs. below ground level				
	within all leads and lifts.				

1	2	3	4	5	6
4	Collection , preservation and display of suitable size sample	1 No.		each	
	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.				
5(a)	Supplying and lowering of IS marked Electric Resistance	50 mtr.		P/mtr.	
	welded M.S. pipe 300mm dia nominal size housing ,8 mm				
	thick having out side dia mtrs. 323.9 mm , screwed end,				
	socketted , confirming to IS: 4270 - 2001 with up-to-date				
	ammendments, if any, about 4mtrs. To 7 mtrs.in length,welded				
	without any circumferential joints, into bore hole in vertical				
	position including cost of all scaffolding derricks, poles,clamps				
	embedded in foundation etc. Including cost of all cutting,				
	threading and welding of pipes etc. within all leads and lifts,				
	complete in all respects as per the directions of the Engineer				
	in-charge.				
(b)	Lowering at site electric resistance welded (ERW) stainless	10 mtr.		P/mtr.	
	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 8 mm thickness (Supplied by the department) of length				
	140mm ,conforming to AISI grade 304. suitable to accomodate				
	screen end ring including jointing screen with blind pipes				
	including cost of all scaffolding complete derricks,poles,clamps				
	embedding in foundation etc. including cost of al l cutting ,				
	threading and welding of pipes etc.within all leads & lifts complete				
	in all respects as per the directions of the Engineer-in-charge .				
	Screen will be continuouis trapezoidal.wire spirally wound around				
	fabricated cage.The wrapping wire having a"V"shaped (Wedge)				
	profile wire with flat surface on the outside and producing				
	expanding slots on the inside of various dimensions, resistance				
	welded to a cylindrical body made of number of longitudinal special				
	high tensile suppor rods to provide smooth unrestricted bore				
	which are in turn welded into cylindrical ring couplings on both				
	of screens.				

1	2	3	4	5	6
6	Providing and fixing M.S. taper/reducer as per lengths approved	1 No		each	
	by Engineer-in-charge, the material of M.S. taper/reducer shall				
	be equivalent to parent pipe material and shall conform to				
	chemical composition as per clause 5.2 and mechanical				
	properties as per clause 6.1 and table 1 ot 4270-2001 with				
	upto date amendments, if any , complete in all respects as per				
	directions of the Engineer-in-charge.				
7(a)	Supplying and lowering of IS: marked Electric Resistance	50 mtr.		P/mtr.	
	welded M.S. pipe 200 mm dia nominal size housing, 6.4 mm				
	thick having out side dia mtrs. 219.1 mm , screwed end,				
	socketted , confirming to IS: 4270- 2001 with up to date				
	amendments , if any ,about 4 mtrs. to 7 mtrs in length, welded				
	without any circumferential joints, into bore hole in vertical				
	position including cost of all scaffolding derricks, poles, clamps				
	embedded in foundation etc . including cost of all cutting,				
	threading and welding of pipes etc. within all leads and lifts,				
	complete in all respects as per directions of the Engineer-in-				
	charge.				
(b)	Lowering at site electric resistance welded (ERW) stainless	15 mtr.		P/mtr.	
	Steel Cage type-"V" wire wound screens of size 200mm ,6.30mm				
	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 8 mm thickness (Supplied by the department) of length				
	140 mm , conforming to AISI grade 304. suitable to accommodate				
	screen end ring including jointing screen with blind pipes				
	complete in all respects including cost of all scaffolding				
	derricks, poles, clamps embedded in foundation etc. including				
	cost of all cutting ,threading and welding of pipes etc.within all				
	leads and lifts complete in all respects as per the directions of				
	the Engineer-in-charge . Screen will be continuouis trapezoidal.				
	wire spirally wound around fabricated cage. The wrapping				
	wire having a "V" shaped (Wedge) profile wire with flat surface				
	on the outside and producing expanding slots on the inside of				
	various dimensions, resistance welded to a cylindrical body made				
	of number of longitudinal special high tensile support rods to				
	provide smooth unrestricted bore which are in turn welded into				
	cylindrical ring couplings on both sides of screens.				

1	2	3	4	5	6
8	Providing and fixing M.S. centralized guides at suitable spacing for	4 No		each	
	each tube well as per S-226-1991 with up-to date amendments,if				
	any, within all leads and lifts, 1x4 Nos. complete in all respects as				
	per the directions of the Engineer-incharge.				
9	Supplying, lowering and fixing in position IS marked mild steel bail	1 No.		each	
	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.				
10	Providing and fixing in position threaded iron cap with locking	1 No.		each	
	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.				
11	Supplying and packing of gravel.consisting of hard quartz or	125 mtr.		P/mtr.	
	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 elangated 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.				
12	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	125 mtr.		P/mtr.	
	(b) Freely hanging	156.25 mtr.		P/mtr.	
13	Development of tubewell by back washing method, with air	30 hours		P/hour.	
	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 throughly 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.				

1	2	3	4	5	6
14	Development of tubewell by continuous over pumping method,	20 hour		P/hour.	
	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.				
15	Testing of verticality of the tubewell as per clause 4.3 of IS	Job		Job	
	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.				
16	Dismentalling of Rigs or other allied accessories after completion	1 No.		each	
	of job within all leads and lifts, complete in all respects as per				
	directions of the Engineer-in-charge.				
17	Handing over of the tubewell in complete shape as per	Job		each	
	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.				
				Total:-	
				Executive Engineer,	
				I&PH Division.,	
				Paonta Sahib(HP)	