

INSPECTION NOTE

DISCUSSION HELD WITH VARIOUS OFFICERS BY ER.R.K.KANWAR, ENGINEER-IN-CHIEF, I&PH DEPARTMENT DURING TOUR TO TRIBAL AREA FROM 13.05.2016 TO 16.05.2016.

IPH Division Rampur(13.05.2016)

During discussion regarding Aug./improvement WSS to Rampur town, it was revealed by EE, Rampur that A/A & E/S of this scheme accorded vide Secretary (UD) to the Govt. of H.P. letter No.UD-F (1)/2006-iv Dated 2nd Sept., 2014 for Rs.1914.14 Lac only and Technical Sanction accorded by the CE(SZ) Shimla. vide Letter No.IPH-CE(SZ)-CTR-29-599-T/S-WSS Rampur Town (Ph-1st & 2nd)/2014-13082-85 dated 01.12.2014 for amounting 1800.60 Lac only.

In order to improve the Water Supply of WSS Rampur town phase 1st parallel gravity main line 150 mm diameter of 10850 Meter has been proposed from existing source “ **Nogli Khad** ” & for phase 2nd gravity main line of 200 mm & 150 mm diameter of 18500 Meter has been proposed from new source namely “ **Samej Khad**” .

For Phase 1st the work for Laying , Jointing of gravity main line from RD 00 to 9000 meter have been completed. The 75% work for construction 2.25 MLD WTP at Rajpura , the work for construction of main storage tanks including construction of diversion head weir and RCC Nallah intake has also been completed.

For phase 2nd 60 % work for Laying, Jointing of gravity main line including construction of diversion head weir and RCC Nallah intake at source have been completed.The work for constructed of WTP of 2.10 MLD has not yet been started by the contractor. The Executive Engineer/Assistant Engineer of the concern division has been directed to execute the balance work for PH 2nd immediately.

The overall expenditure of Rs.9.60 crore has been incurred against the funds received to the tune of Rs. 8.61 crore from UD .The Executive Engineer IPH Division Rampur has explained that the 2nd installment has not yet been received for which UC stand submitted. The Executive Engineer has been directed to take up the matter with the UD

regarding release of 2nd installment so that the work could be completed in the time bound manner.

It was intimated by EE that 5 schemes have been kept as targeted under NRDWP & 4 schemes under NABARD, the detail of which is as under:-

Targeted scheme under NRDWP		
Sr. No.	Name of Scheme	Proposed date of completion
1	GWSS Sour (Kashapat)	31.03.2017
2	GWSS Arlu Ruhan Khanashni	31.12.2016
3	GWSS Kandhar	30.09.2016
4	GWSS Badrash	31.03.2017
5	GWSS Deemru	31.12.2016

Targeted scheme under NABARD		
Sr. No.	Name of Scheme	Proposed date of completion
1	LWSS Kharahan Khad to Jahoo Khuni	30.09.2016
2	Aug./Rem.of GWSS from Tangri Nallah	30.09.2016
3	Rem.of WSS Narain	30.06.2018
4	LWSS to Kurpan Khad to Bankhari	31.03.2017

There are 14 ongoing schemes under NRDWP, details of which is as under:-

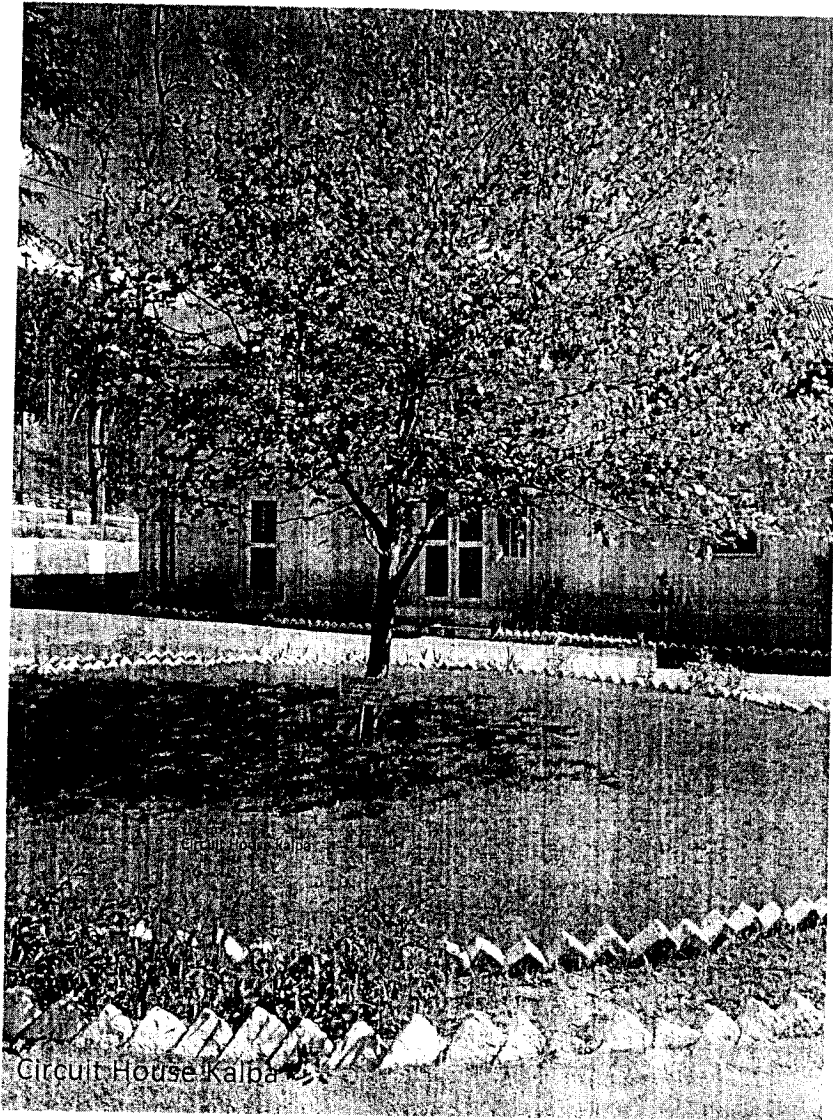
Sr. No.	Name of Scheme	Proposed date of completion
1	GWSS to Koot in GP Labana Sadhana (Rampur)	30.04.2016
2	GWSS to group of village in Kashapat	31.05.2016
3	GWSS to Dharamcha in GP Sarpara (Rampur)	30.06.2016
4	GWSS from Manglad khad to Kinoo & Shahdhar in Rampur	30.06.2016
5	GWSS to Bai Bahli in GP Kungul Balti	30.06.2016
6	GWSS to Ghartola & Lahru in GP Kharahan	31.07.2016
7	GWSS to Pyojna in GP Gahan	31.07.2016
8	GWSS to Bastor in GP Badhal	31.08.2016
9	GWSS to Kunni in GP Jeori	31.08.2016
10	GWSS to Kurmi, Nanti & Tikker in GP Fancha	31.08.2016
11	GWSS to Kanthal Bagini in GP Thaily Chakti Sub-Tehsil-	30.09.2016

	Nankhari	
12	GWSS to Noon in GP Gahan Sub-Tehsil Nankhari	30.09.2016
13	GWSS to Maloya in GP Sarpara Tehsil Rampur	30.09.2016
14	GWSS to Kastain Khudna & Sukhago in GP Sarpara	30.09.2016

It was intimated by EE, Rampur that LWSS Kashapat Khad to Dansa is in the **top priority of MLA as well as public**. The detail of this scheme is as under:-

Name of Scheme	Tech. sanction & date of sanction	Expt. Incurred upto 31.03.2016 (NRDWP)	Likely date of completion
Prov. LWSS to Kashapat Khad to Dansa	CE No.9622-25 dated 26.03.2013 for Rs.1677.90 lacs	541.19	30.06.2018

Further during discussion, EE Rampur intimated that 109.00 lacs for 12 schemes where filter bed require improvement/repair. He was requested to send the detail demand through concerned Chief Engineer clearly justifying the demand and certifying that all other schemes have 100% filter units.



Circuit House Kalpa

Following were present:-

1. Er. Naveen Puri SE, I&PH Circle Reckong Peo.
2. Er. Vishal Jaswal EE, I&PH Division R/Peo
3. Er. Ankit Bishat AE, I&PH Sub- Division R/Peo
4. Er. Balvinder Bhardwaj JE, I&PH Section R/Peo
5. Er. Mukesh Sharma JE, I&PH Section Powari
6. Er. Jagat singh JE, I&PH Section Sangla

The Irrigation cum Public Health Division Reckong Peo came to existence during June 1978. Since the inception of IPH Division Reckong Peo 2 Nos Sub Divisions are working under the IPH Division Reckong Peo. The main function of this Department is to provide potable drinking water facilities to every village/Habitations, Irrigation facilities to cultivable command area to construct Flood Protection work to avoid erosion of cultivable command area and construction of sewerage system as per policy of the Govt. Besides above this Department is taking up revival work of traditional sources of water, roof

top rain water harvesting and to promote the underground water level as per latest orders of the Govt.

Under the jurisdiction of IPH Division Reckong Peo there exists 2 Nos Sub Divisions Reckong Peo & Nichar. Under IPH Sub-Division Reckong Peo there exists 4 Nos section namely Reckong Peo, Powari, Kalpa and Sangla and IPH Sub-Division Nichar there exists 3 Nos section namely Nigulsari, Katgaon and Tapri. There exists 115 Nos completed Water Supply Schemes, 28 Nos Irrigation Schemes, 1 No Sewerage Scheme, 5 Nos Flood Protection works & 146 Nos Hand Pumps installed under IPH Division Reckong Peo. There are 27 Nos Water Supply Schemes under the head of NRDWP in progress and 19 Nos WSS are going to be completed in this year 2016-17. 37 Nos schemes are in progress under TASP in which 21 Nos. Schemes are going to be completed in the year 2016-17. There are 7085 Domestic, 155 Nos Commercial Water Connections & 253 Nos Sewerage Connections release and revenue is being collected through water bills/sewerage bills/receipt books.

Administrative jurisdiction of IPH Division Reckong Peo is as under:-

1	Area of District Kinnaur	6401 Square km
2	Nos of Block	2 Nos (Kalpa, Nichar)
3	Nos of census village as per 2011 census	162 Nos Kalpa=77 Nos Nichar=85 Nos
4	Population in respect of Kalpa & Nichar block as per 2011 Census.	60915 person
5	Panchayat under R/Peo Division	Kalpa=23 Nos Nichar=18 Nos Total=41 Nos
6	Schemes handed over to PRI	4 Nos. of Schemes.

Head wise activities of this Department are narrated below:-

RURAL WATER SUPPLY SCHEMES.

According to 2011 census there is 162 census villages in Jurisdiction I&PH Division Reckong Peo and drinking water supply facility was provided to all the villages by IPH Department. However during 1991-93, a status survey in respect of Rural Water Supply was got conducted by Govt. of India (Rajiv Gandhi National Drinking Water Mission). In this survey smallest unit was kept as "habitation" instead of Census villages.

The target for coverage of 6 Nos. habitation have been fixed for the year 2016-17, as confirmed by SE Reckongpeo.

HAND PUMPS

Due to global warming scarcity winter snow fall and rains the state of Himachal Pradesh has faced draught like situation during last 15 years. The discharge of sources of existing water supply schemes were reduced considerably. To supplement the existing water supply schemes hand pumps installation program was started during the year 1991-92. Accordingly 146 Nos hand pumps have been installed under I&PH Division Reckong Peo upto 31.3.2016.

SEWERAGE SYSTEM

The Govt. of India as well as the State Govt. of Himachal Pradesh has launched the total sanitation campaign to provide pollution free health environment in the Pradesh. The Govt. of Himachal Pradesh has proposed to provide Sewerage facility in all town in phased manner and first priority has been given to provide sewerage facilities in towns located at Distt. Headquarter. Sewerage System for Peo Township has been provided by this Division.

Sewerage system for Reckong Peo township IPH Division Reckong Peo A/A & E/S has been accorded vide DC No. ITDP-DB-7068-73 Dated 6/12/1988 for Rs. 5662000/- only. Presently work stand completed and functioning properly. 1 No. treatment plant of 1.00 MLD capacity has been constructed under the scheme. Presently the Operation and maintenance & minor repair of completed scheme has given outsourced which is functioning properly. 245 Connection has been sanctioned till date.

The scope of work are as under: -

Component	
S.T.P	1.00 MLD
DI pipe 100mm	4200 Rmt.
150mm	1697 Rmt.
200mm	2510 Rmt.
250mm	205 Rmt.
Flushing tank	1 No.
Provision of Y-tee	226 Nos.
RCC Man hole chamber	340 Nos.

The work stand completed as per scope and scheme is functioning since 1998.

The Sewerage system Sangla has been proposed in Five Phases. A/A & E/S of which has been accorded vide Commissioner –Cum-Secy.(TD) No. –TDM-5-21/07 dated 13/08/2007 amounting to Rs. 4,16,30,520/- only. The Technical approval stands accorded vide SE letter No. 5458-69 dated 11/09/2008 for Rs. 1,70,34,940/- for Ph.-II to III and work is in progress.

The scope of work is as under: -

Component	Ph.-I	Ph.-II	Ph.-III	Ph.-IV	Ph.-V
Septic Tank	0.063mld	0.063mld	0.0924mld	0.039mld	0.036mld
DI pipe 150mm	3015 Rmt.	1730mtr.	3601mtr.	2375Rmt.	1810 Rmt.
Flushing tank	100Nos	49Nos.	Job	Job	Job
Acquisition of land	400Sqm.	400Sqm.	400Sqm.	400Sqm.	400Sqm.
SOP	Job	Job	Job	Job	Job
Barbed wire fencing	Job	Job	-	Job	Job
Provision of Y-tee	-	-	67Nso.	27Nos.	30Nos.
RCC chamber Man hole	-	61Nos.	102Nos.	90Nos.	70Nos.

Laying of D.I pipes 150mm dia for Phase II & III has been completed by the Contractor & work of construction of Manhole chamber is in progress. There is a budget provision of Rs 5.00 lac for the current financial year 2016-17 under TASP. Total expenditure of Rs.117.45 lac has incurred upto 31/03/2016. The Septic tank with capacity for Phase II & III 0.063mld & 0.0924mld has been proposed in the estimate.

There is provision of five nos. treatment plant in the estimate with different capacity to be constructed in different locations. Instead of going for extended aeration system for small capacity & due to climatic condition & availability of land and less availability of Supply of Power Septic tanks proposed in place of treatment units. During discussion, it was decided that we may give preference to biodigester instead of septic tanks. The land has been identified for construction of Septic tanks with local body. The land acquisition for phase II is in progress, where as for phase III the land has been transferred to I&PH Department by the Forest Department vide DFO Kinnaur letter No. 8552-55 dated 9-9-2015.

The work done at site till date in Phase II & IIIrd is as under :-

1. DI Pipe 150mm dia= 5100 Rmt. Laid
2. Manhole chambers = 239 Nos. constructed
3. Y& T connection = 191 Nos.

IRRIGATION SCHEMES.

Entire area of Distt. Kinnaur falls in rural area. The livelihood of public is Agriculture, Horticulture and Animal Husbandry. The annual rain fall in this District is negligible, even single crop cannot be grown without irrigation facilities so importance of irrigation has been arose. The IPH Division Reckong Peo has constructed 28 Nos Irrigation Schemes in the District and 3487.00 Hect land has been brought under Irrigation upto 31-03-2016. 19 Nos. of schemes are in progress, out of which 9 Nos. to be completed during the year 2016-17.

FLOOD PROTECTION WORKS.

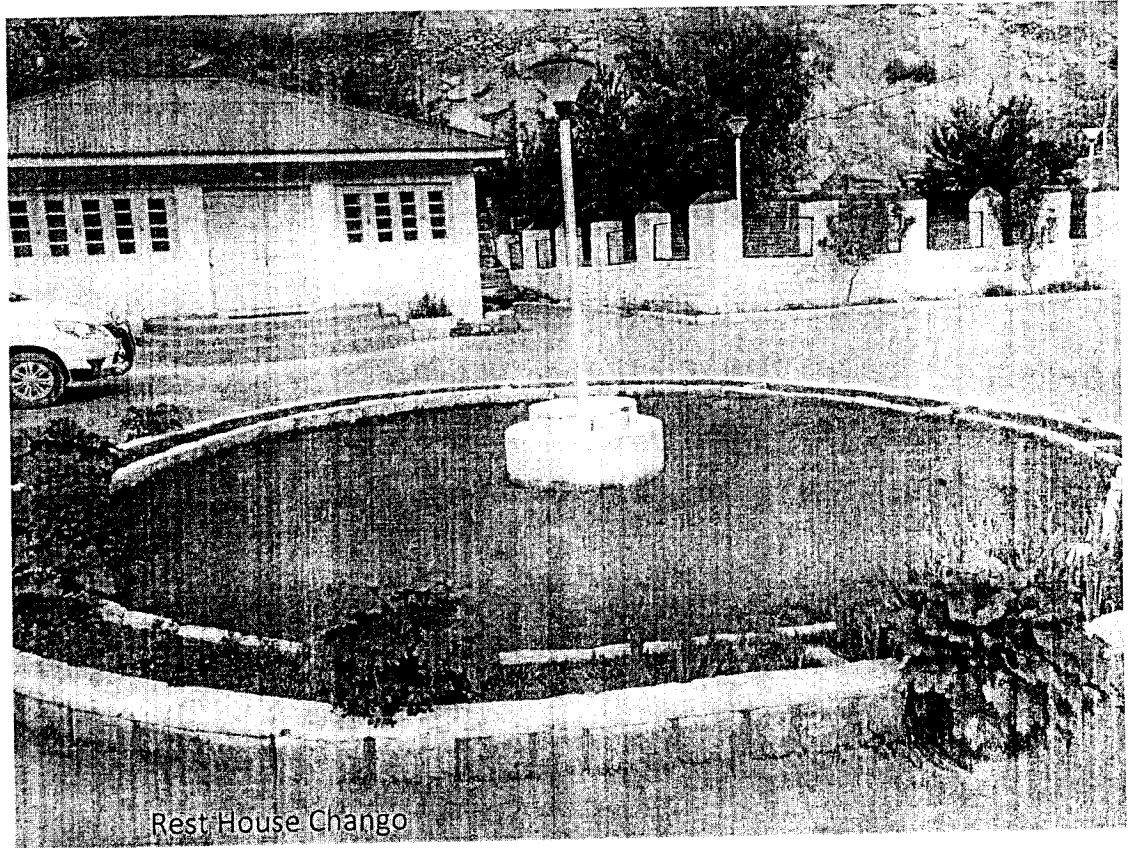
Due to global warming and fast melting of glacier in the catchments area of nallah, khad & river, heavy flood has been experienced in many streams across the district causing damages to public property during past years. The IPH Division Reckong Peo has proposed to provide flood protection measures in the affected/likely to be affected areas to save the life and public property. Therefore Flood Protection Work have been constructed at various places in the District and 186.68 Hect. CCA has been saved so far. 2 Nos. of schemes are in progress and to completed during the year 2016-17.

There is shortage of staff as per vacancy position of regular staff and it is further added that there is no staff in drawing branch against the sanctioned strength of 6 Nos. officials only 1 Draughtsman is working at present , who is also under transfer.

Moreover, the area of district Kinnaur is situated at higher elevation and the working season is limited i.e May to September, so it is not possible to complete the schemes as per the norm, which are applicable to the entire state.

It is further added that the funds under NRDWP is sufficient under this Division for the current financial year 2016-17.

IPH Division Pooh(14th & 16th May,2016)



Rest House Chango

IPH Division Pooh was established in the month of June 1978 to execute irrigation, water supply, sanitation and food control works in Pooh block of Kinnaur District. At present there are three nos. Sub division i.e. IPH sub division Akpa, Pooh, and Yangthang under this Division. There are 24 panchayats, 68 census Villages and 134 Nos habitation in Pooh block having population 23206 persons as per census 2011. The present population (2015) at the growth rate of 1.25% per annum is approximately 25481 persons. To provide drinking water and irrigation facilities to the people, this division has completed 105 Nos water supply schemes and 74 Nos irrigation schemes. 84 Nos Hand pumps are also installed up to 31/03/2016.

Sub Division wise/Section wise table as under

S.no	Name of sub Division	Name of Section	Irrig.	WSS	Hand Pump
1	Pooh	Pooh	4	4	5
		Namgia	3	10	5
		Sunnam	12	9	20
		Spillow	11	12	5
Total			30	35	35
2	Akpa	Akpa	5	17	5
		Rarang	1	2	1
		Jangi	5	13	9

		Moorang	5	14	11
	Total		16	46	26
3	Yangthang	Yangthang	10	12	4
		Chango	18	12	19
	Total		28	24	23
	G Total		74	105	84

Beside this, 20 Nos water supply schemes, 25 nos irrigation schemes are in progress, out of which 11 Nos water supply and 5 nos irrigation schemes are targeted to complete during this financial year and 1 no sewerage scheme i.e. providing sewerage system to village Rarang in GP Rarang tehsil Moorang for which Administrative Approval and Expenditure sanction and Technical sanction has been accorded from the competent authority. The work of the same is likely to be started this financial year.

Staff position in respect of IPH Division Pooh

Due to shortage of staff, the execution of works in this division is suffering badly. The sanctioned strength, existing strength and vacancy position is given as under:-

Sr. No.	Category	Sanctioned Strength	Existing Strength	Vacancy Strength
1	Superintendent	1	-	1
2	HDM	1	-	1
3	Divisional Accountant	1	-	1
4	Junior Engineer	10	9	1
5	Senior Assistant	7	4	3
6	Junior Assistant/Clerk	8	3	5
7	D/Man	2	1	1
8	JDM	3	-	3
9	Steno	1	-	1
10	Chowkidar	4	-	4
11	Peon	5	3	2
	Total	43	20	23

Work Charged converted into Regular Establishment

1	Surveyor.	4	1	3
2	Patwari	2	-	2
3	Complaint Attendent	2	1	1
4	Helper.	16	8	8
5	Beldar.	98	81	17
6	Chowkidar.	14	7	7
7	Work Inspector.	9	2	7
8	Driver.	3	1	2
9	AC Operator	1	-	1

10	. Cleaner.	1	-	1
	Total	150	101	49

Providing Water supply scheme to Military area Pooh in Tehsil pooh Distt. Kinnaur (HP)

The area of Pooh is situated in the international Border of China. Due to dry topographical condition there are no any spring sources in this area. Army authority has approached EE, Pooh office vide his letter no 4036/WSS/42/E4 dated 16/04/2015 to provide WSS to military camps at Pooh. Accordingly EE, Pooh has carried out survey and investigation works for providing water supply to the military area Pooh Garrison. During the investigation no feasible gravity source was available from where water to be tapped for military camps at Pooh. Hence a combined gravity as well lift water supply scheme has been proposed and an estimate amounting to Rs 230.59 lakhs only has been framed and submitted to the military authority vide EE, Pooh office letter No IPHD-DB-Pooh-military Liaison/2015-4388-89 dated 13/08/2015 with following provision.

1	Name of District	Kinnaur
2	Type of Scheme	Gravity/lift
3	Estimated cost	230.59 lakhs
4	Present Population in 2015 (uncovered)	4171
5	Ultimate popu. In 2033	5214
6	Daily water requirement (PC)@ 70 LPCD	364980 LPD
7	Sump well	61000 litres
8	Raw water Tank	243500 litres
9	Clear water tank	243500 litres
10	Sedimentation tank	61000 litres
11	Filter beds 3 units Circular	8.05 Sqm
12	Pump house cum Attendent Room	1 No
13	Intake Chamber	1 No
14	Rising Main 150MM dia. (Heavy class) GI pipe	850 Rmts
15	Pumping Machinery 90 HP	2 sets
16	Gravity Main 80 MM dia. (MC)	2900 Rmts
17	Retaining wall	2 Nos

During the tour of Tribal area, I have conducted a meeting with the Brig.Rajiv Ghai and some other officer of the Military Authority along with Executive Engineer Er.Dinesh Kapoor, IPH Division Pooh and Er Abhishek Mohan Kapil, Assistant Engineer, IPH Sub Division Pooh. The Military Authority appraised that water supply to military camp included in the major project i.e. residential buildings work etc. has been submitted to Military higher

authority at Chandigarh and as and when project sanction by the authority has been received, the amount of water supply component will be deposited with IPH department. The said work has to be completed within a period of three years as the completion period of whole project is three years. During the meeting military authority has also raised issue of water supply to military camp at Samdhu in Spiti Valley and water supply to military camp at Averi Patti near Rampur. As reported by the Executive Engineer IPH Division Kaza that water supply to military camp at sumdhu has been restored on dated 14.5.2016 and same has been confirmed by Col.Punia posted at Samdhu.

As far as water supply to military camp at Averi Patti near Rampur is concerned, telephonically instruction has been given to the Chief Engineer, Mandi Zone to get the site inspected alongwith his subordinate staff and necessary steps may be taken to complete the scheme as early as possible.

IPH Division Kaza(14th & 15th May,2016)

The discussion of various works was conducted alongwith Executive Engineer, Kaza, Assistant Engineer, Kaza/ Tabo and JE, Kaza & Tabo on dated 14th & 15th May,2016.

WSS to Army campus at Sumdo (Deposit work).

The Scheme commissioned during 8.6.2015 and during winter due to frozen of source the scheme was closed on 15.11.2015. Now the same has been started w.e.f. 14.5.2016. The Executive Engineer I&PH Division kaza was directed to complete the scheme in all respect and hand over to the Army being a deposit work.

Water Supply scheme Kaza (dated 15-5-2016)

It is reported by the Executive Engineer I&PH Division Kaza that due to less snow fall during winter 2015 the discharge of spring sources are being reduced. The raw water of Lungbu Nallah is highly turbid and slow sand filter are not working due to very high turbid water. Accordingly the Executive Engineer I&PH Division Kaza was directed to frame the estimate under NRDWP by proposing 8" dia bore well at the base of Spiti river where Lungbu Nallah meets in the Spiti river. The site has been got checked by the Executive Engineer Kaza with the Senior Technical Assistant (Sh.Dinesh Kumar Bhardwaj) who has present at Kaza for drilling and installation of Hand Pumps. The Senior Technical Assistant told that there is possibility of water 8 litre per

second discharge from the proposed bore well against the water requirement of 4.15 LPS and as per the past experience there is sufficient discharge in the bore well of LWSS Kee Gompa which is along the Spiti River below the kee village and scheme is running successfully. Water storage may be increased keeping in view the floating population in Kaza being a Head Quarter of Spiti of Lahaul & Spiti District and being a tourist place.

The Executive Engineer I&PH Division Kaza requested that there is need of distemping, painting and minor repair of offices, Inspection hut and staff quarters which is not repaired from the last 5-6 years and needs repair for which additional funds about 20 lac required. During discussion with the staff, it has advised and ordered strictly to maintain the quality of water of all the water supply schemes as per water supply manual and water of each scheme be got tested in the water testing lab. Kaza. The Executive Engineer(IPH), Kaza told that 206 water sample of different water supply scheme and hand pumps has been tested and water testing Lab is running in good condition.

There is a shortage of staff and the Executive Engineer I&PH Division Kaza requested to fill up at least the following posts. At present there is 16 No. of post lying vacant. But minimum 3 No. required immediately as under:-

1. Surveyor =1No.
2. Junior Draughtsman = 1No.
3. Data entry operator = 1 No.

At present there is no Surveyor, no Junior Draughtsman and no Data Entry Operator in this Division as confirmed by EE, Kaza.

The Executive Engineer I&PH Division Kaza has requested that the requirement of HDPE pipe has been sent and the same may kindly be got arranged at the earliest as the HDPE pipe are to be ordered at Govt. level. The working season of Spiti valley is limited i.e. from May to September and target be achieved and funds be utilized well in time.

The Executive Engineer I&PH Division Kaza told during the discussion that during this year snow fall is very less in spiti valley and there is demand/ needs of repair and maintenance of flow irrigation schemes in Spiti Valley. There is single crop only in Spiti Valley and people of Spiti are pressing hard for the repair and maintenance of their kuhls immediately but there is

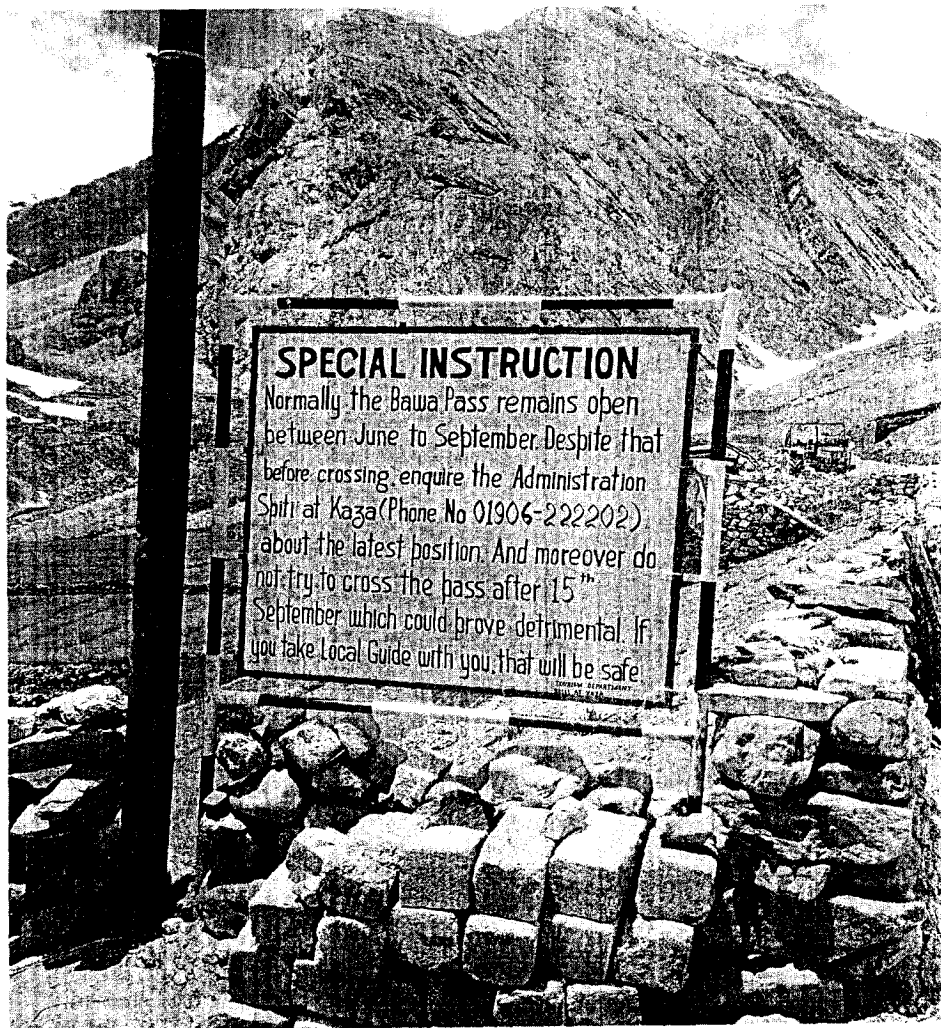
limited budget for repair and maintenance of flow irrigation schemes. The Executive Engineer I&PH Division Kaza requested that additional funds may be given under the head 2702 and natural calamity relief fund as there is about Rs.135 lac liability with the Division as on date.

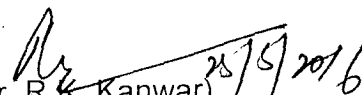
During my tour, the Executive Engineer, Rampur, Reckong Peo, Pooh & Kaza were directed to maintain water quality. Also detail discussion regarding Govt. priority, Vidhan Sabha Assurances, CM's Announcements etc. was discussed in detail.



Hand Pump SAGNAM



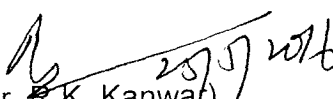



(Er. R.K. Kanwar)
Engineer-in-Chief (IPH)
HP, Shimla-171001.

No.IPH-ENC.-Inspection Note/16-1876-86 Dated: 25th May, 2016.

Copy of above is forwarded for information and necessary action to:

1. The Secretary (IPH) to the Govt. of HP Shimla-2.
2. The Chief Engineer (Shimla Zone) IPH Deptt., Shimla-1.
3. The Superintending Engineer, IPH Circle Reckong Peo, District Kinnaur, HP.
4. The Superintending Engineer (W) IPH HQ Shimla-1.
5. All the Executive Engineer under IPH Circle Reckong Peo.
6. The Registrar (IPH) HQ Shimla-1.
7. The Assistant Controller (F&A) IPH HQ Shimla-1.
8. Guard File.


(Er. R.K. Kanwar)
Engineer-in-Chief (IPH)
HP Shimla-1