

Himachal Pradesh
Irrigation & Public Health Department

No. IPH-SE-P&I-II-EE(D) –STAC/2014-

3409-36

Dated: 25.9.14

To

1. The Engineer-in-Chief,
I&PH Department, U.S. Club, Shimla-1. Chairman
2. Representative of the Chairman,
Ganga Flood Control Commission,
Sinchai Bhawan, 3rd Floor,
Patna (Bihar)-800015. Member
3. Representative of the Secretary to the
GOI, Ministry of Shipping and Transport,
(Road Wing) Transport Bhawan, New
Delhi. Member
4. Representative of the Principal Secretary
(Finance) to the H.P., Shimla-171002. Member
5. Representative of the Chief Engineer
(F.M.), CWC, Sewa Bhawan, 8th floor,
R.K. Puram, New Delhi. Member
6. Representative of the Principal Chief
Conservator of Forest H.P., Talland,
Shimla-171002. Member
7. Representative of the Director of
Agriculture H.P., Nalagarh House,
Boiluegang, Shimla-171005. Member
8. to 11. The Chief Engineer, I&PH Department
(MZ, DZ, HZ, SZ). Member
12. Regional Director, Govt. Of India, MOWR,
Central Ground Water Board,
Dove Cottage, Ram Nagar, Near Post
Office
Dharamshala-176215 (Special Invitee)
13. Director, (M&A)
Directorate, CWC, MOWR, Govt of India,
SDA Complex, Block No. 10, Shimla-9. (Special Invitee)
14. Chief Engineer, (D&M), I&PH Department,
Jal Bhawan Kasumpti Shimla-9. (Special Invitee)


Subject:- Minutes of 48th meeting of State Technical Advisory Committee (STAC) for Flood protection works, AIBP and Repair, Renovation & Restoration of Water Bodies held on 10.09.2014.

Reference:- This Office letter No. IPH-SE-P&I-II-EE(D) – STAC/2014 – 2955-81 dated 01.09.2014.

Sir,

Enclosed please find herewith the Minutes of 48th meeting of State Technical Advisory Committee (STAC) for Flood protection works, AIBP and Repair, Renovation & Restoration of Water Bodies held on 10th September, 2014 at 11:00 A.M. in the Conference hall Jal Bhawan, Kasumpti, Shimla-9, under the Chairmanship of the Engineer –in- Chief, IPH Department for information and necessary action please.

Encls.: as above/ through e-mail/ IPH Website.


**Member Secretary cum
Superintending Engineer,
P&I-II, Jal Bhawan,
Kasumpti, Shimla-9.**

Copy alongwith Minutes of Meeting is forwarded for information and necessary action to:-

The Principal Secretary (I&PH) to the Government of H.P., Shimla – 2.

All the Chief Engineers, under IPH Department.

All the Superintending Engineers, under IPH Department in H.P.

Superintending Engineer (Works), IPH Department, U.S. Club Shimla-1.


**Member Secretary cum
Superintending Engineer,
P&I-II, Jal Bhawan,
Kasumpti, Shimla-9.**

**MINUTES OF 48th MEETING OF STATE TECHNICAL ADVISORY COMMITTEE (STAC) FOR
FLOOD PROTECTION WORKS, REPAIR, RENOVATION & RESTORATION OF WATER
BODIES AND IRRIGATION SCHEMES (AIBP)
HELD ON 10.09.2014**

The 48th meeting of State Technical Advisory Committee (STAC) was convened on 10.09.2014 under the Chairmanship of Engineer-in-Chief, Irrigation & Public Health Department, Himachal Pradesh at Jal Bhawan, Kasumpti, Shimla. The list of participants is as per **Annexure- "A"**.

At the outset, the Member Secretary STAC cum Superintending Engineer P&H welcomed all the participants and with the permission of the chair started the meeting as per agenda. Each proposal was discussed in the meeting and decisions arrived at are as under:-

**AGENDA ITEM NO: 1 Minor Irrigation Schemes for inclusion/ funding under
AIBP in respect of HP State –**

The proposal for technical appraisal of each minor irrigation schemes for inclusion under AIBP was discussed in detail alongwith the salient features. During the discussions the following decisions/ action points emerged:

1. It was informed by concerned CEs/SEs that there is no need to provide CAD&WM works for schemes providing irrigation facilities to horticulture areas as the same is being provided by various programmes of Horticulture/ Agriculture/ RD Department. Therefore, it was decided that the irrigation schemes proposed to provide irrigation facilities to horticulture area, the provisions of the CAD&WM Works may be dispensed. A certificate regarding exclusion of CAD&WM shall be attached with the Detailed Project Report of such schemes.
2. The Detailed Project Report for CAD&WM Works for Minor Irrigation Schemes shall be prepared and submitted for cluster of all schemes under each zone. Therefore, the Chief Engineer (S/Z, M/Z, H/Z & D/Z) are to prepare/submit the detailed project report of CAD&WM Works for cluster of MIS (individual schemes having CCA more than 50 ha) under their jurisdiction at the earliest for the approved schemes.
3. It was informed by the Director, CWC Shimla that all the Superintending Engineers should carry out an exercise to reassess the district wise GCA, CCA, CCA covered & Potential Created under their jurisdiction. The Director, CWC Shimla shall co-ordinate with Indian Remote Sensing Institute, Dehradun to prepare the Irrigation Map for Mandi & Kangra District in the first instance.

The minor irrigation schemes approved by STAC for inclusion/ funding under AIBP is enclosed as per **Annexure- "B"**.

Meeting ended with a vote of thanks to the chair.

**LIST OF PARTICIPANTS FOR THE 48th MEETING OF STATE TECHNICAL ADVISORY COMMITTEE (STAC) HELD ON
DATED 10.09.2014 IN THE CONFERENCE HALL AT JAL BHAWAN, KASUMPTI, SHIMLA**

S.No	Name and Designation	
1.	Er. R. K. Sharma, Engineer-in-Chief, I&PH Department U.S. Club, Shimla-1.	Chairman
2.	Er. R. P. Tandon, Chief Engineer, I&PH Department, Mandi Zone.	Member
3.	Er. K. C. Dhiman, Chief Engineer, I&PH Department, Shimla Zone.	Member
4.	Sh. G.R. Sahibi, CCF (HP), Forest Department	Member
5.	Er. A. K. Bahri, Chief Engineer (D&M), I&PH Department, Shimla - 9.	Special Invitee
6.	Sh. Shyam Singh Thakur, ASCO (H/Q), Directorate of Agriculture, HP Shimla	Member
7.	Sh. Ravinder Kumar, Dy Director (Plg), Representative of Pr Secy (Fin)	Member
8.	Er. P. Dorje Gyamba, Director, CWC, Shimla	Special Invitee
9.	Er. B. C. Samkaria, Superintending Engineer, P&I-II, Shimla-9.	Member Secretary
10.	Er. Suman Vikrant, Superintending Engineer, IPH Circle, Shimla - 9	
11.	Er. P. V. Vaidya, Superintending Engineer, IPH Circle, Kullu	
12.	Er. B. R. Sharma, Superintending Engineer, IPH Circle, Nahan	
13.	Er. B. S. Rana, Superintending Engineer, IPH Circle, Rohru	
14.	Er. S. K. Dhiman, Superintending Engineer, IPH Circle, R/peo	
15.	Er. G. S. Sharma, Executive Engineer (D), P&I-II, Shimla-9.	
16.	Er. B. L. Gupta, Executive Engineer, IPH Division No. II, Kullu	
17.	Er. Anil Mehta, Executive Engineer, IPH Division No. I, Shimla - 9	
18.	Er. R. K. Sharma, Executive Engineer, IPH Division, Jubbal	
19.	Er. Arvind Sood, Executive Engineer, IPH Division, Nerwa	
20.	Er. Sanjeev Sharma, Executive Engineer, IPH Division, Kaza	
21.	Er. Satya Pal Sharma, Executive Engineer, IPH Division, R/peo	
22.	Er. S. K. Sharma, Executive Engineer, IPH Division, Rampur	
23.	Er. P. R. Chauhan, Executive Engineer, IPH Division, Nauradhar	
24.	Er. N. K. Sharma, Executive Engineer, IPH Division, Shahpur	
25.	Er. Deepak Garg, Executive Engineer, IPH Division, Dharamshala	
26.	Er. P.S. Dhanotia, Executive Engineer, IPH Division, Palampur	
27.	Er. Anant Kumar Gupta, Dy Director (M&A), CWC, Shimla	
28.	Er. Ajay Kumar Swami, Asstt. Director, CWC, Shimla	
29.	Er. Uday Kumar Bodh, Asstt. Engineer, IPH Sub Division, Katrain	
30.	Er. Vikas Kapoor, Asstt. Engineer, IPH Sub Division, Lارج	
31.	Er. Daler Singh, Asstt. Engineer, IPH Sub Division, Palampur	
32.	Er. Mandeep Gupta, Asstt. Engineer, IPH Sub Division, Rajgarh	
33.	Er. M. C. Sharma, Asstt. Engineer, IPH Sub Division, Lambagaon	
34.	Er. Bheem Singh, Asstt. Engineer, IPH Sub Division, Thural	
35.	Er. Anil Verma, Asstt. Engineer, IPH Sub Division, Chadiar	
36.	Er. S. R. Azad, Addl. Asstt. Engineer, IPH Sub Division, Anni	
37.	Er. Sanjay Kumar, Jr. Engineer, IPH Section, Katrain	
38.	Er. Sachin Rana, Jr. Engineer, IPH Section, Kaza	
39.	Er. Naveen Pathania, Jr. Engineer, IPH Section, Kaza	

SALIENT FEATURES OF MINOR IRRIGATION SCHEMES APPROVED DURING 48TH MEETING OF STAC FOR FUNDING UNDER AIBP & CAD&WM WORKS FOR THE YEAR 2014-15 TO 2015-16

Sr. No.	Name of scheme	Division	District	Source	Estimated cost (Rs. In Lacs)		Total CCA (in hect)	UIP (in hect)	Cost per Hectare		B.C.Ratio	Pumping Machinery	Length of R/Main or Kuhl or Main Line (in Rmt)	Dia of R/Main (mm)	Distribution System (in Rmt)		Static head (in mtrs)	Remarks
					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
A	IPH Circle - Dharamshala																	
1	Construction of FIS Rod Kuhl in GP Rajiana in Teh & Distt Kangra (HP)	D/Shala	Kangra	Daroon Khad	155.48	75.25	88.34	141.34	1.76	0.85	2.77:1		6450					
2	Construction of FIS Machhan Di Kuhl to village Raserh, Machhan, Tikhari, Uthragran & village Tangroti in GP Tang in Teh Dharamshala Distt Kangra (HP)	D/Shala	Kangra	Eco Khad	210.53	133.72	170	272	1.24	0.79	9.01:1		4217					
3	Construction of FIS Pathiar Ambari Kuhl in Teh & Distt Kangra (HP)	D/Shala	Kangra	Baner Khad	179.90	134.5	174	278.4	1.03	0.77	4.82:1		4313					
4	Construction of Machhul Kuhl in Teh Dharamshala Distt Kangra (HP)	D/Shala	Kangra	Eco Khad	95.74	113.67	142	227.2	0.67	0.80	9.68:1		3480					
5	C/o FIS Charan Ki Kuhl from Charan Khad in Tehsil Dharamshala Distt. (HP).	D/shala	Kangra	Charan Khad	37.26		15	24.00	2.48	0.00	1.60:1		1108.5					
6	C/o FIS Dudhli Kuhl from Manjhi Khad in Tehsil Dharamshala Distt. (HP).	D/shala	Kangra	Manjhi Khad	59.88		25	40.00	2.40	0.00	1.54:1		2600					
7	C/o FIS Lower Sukkar Kuhl from Manooni Khad in Tehsil Dharamshala Distt. (HP).	D/shala	Kangra	Manooni Khad	53.62		30.35	48.56	1.77	0.00	1.50:1		1410					
8	C/o FIS Jheol Rashwala Kuhl from Noud Khad in Tehsil Dharamshala Distt. (HP).	D/shala	Kangra	Noud Khad	73.90		30	48.00	2.46	0.00	1.55:1		1940.5					
9	C/o FIS Sudher Kuhl from Banoie khad in Tehsil Dharamshala Distt. (HP).	D/shala	Kangra	Banoie Khad	71.82		42	67.20	1.71	0.00	1.51:1		1538.5					
10	C/o FIS Rainki Khul in GP Pathiar Tehsil Bagwan Nagrota Distt. Kangra	D/shala	Kangra	Baner Khad	545.08		257	411.20	2.12	0.00	1.85:1		13060					MLA Priority-II RNS 2014-15
11	C/O FIS Fatt and Dahani Di Kuhl in GP Paddar In Dharamshala Distt, Kangra (HP).	D/shala	Kangra	Baner and lckoo	108.45		43.78	70.05	2.48	0.00	1.69:1		2786					P-I 2012-13
12	C/o FIS Dhamul Kuhl in Tehsil Shahpur Distt. Kangra	D/shala	Kangra	Gaj Khad	225.28	111.14	138.46	221.54	1.63	0.80	5.81:1		4900					P-I 2014-15
13	C/o FIS Badul kuhl in GP Chahri, Ambari and Chamba in Tehsil Bhagwan Nagrota	D/shala	Kangra	Baner Khad	233.4	143.63	198	316.8	1.18	0.73	1.40:1		5328					
14	C/o FIS Kolha in GP Mundla Tehsil Nagrota Bhagwan	D/shala	Kangra	Jogal khad	37.46		15	24.00	2.50	0.00	1.62:1		1250					

Sr. No.	Name of scheme	Division	District	Source	Estimated cost (Rs. in Lacs)		Total CCA (in hect)	UJP (in hect)	Cost per Hectare		B.C.Rat to	Pumping Machinery	Length of R/Main or Kuhl or Main Line (in Rmt)	Dia of R/Main (mm)	Distribution System (in Rmt)		Static head (in mtrs)	Remarks
					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
15	C/o FIS Chadruhi Kuhl for irrigation facility to village Rajot, Rakker, Jandpur Nagra Sagoor etc. in Tehsil Bajinath District Kangra (HP)	Palampur	Kangra	Awa Khad	789.29		776	1241.6	1.02	0.00	4.79:1		14600					
16	C/O FIS Neuhali in GP Bharwana, Biara, and Agoljar in Tehsil Palampur District Kangra (HP)	Palampur	Kangra	Awa Khad	251.11	124.65	162.10	259.36	1.55	0.77	3.81:1		6400					
17	C/o FIS Garuhal GP Banuri Holta Banuri khas and vandbihar Tehsil Palampur District Kangra (HP)	Palampur	Kangra	Awa Khad	227.20	76.18	92.19	147.5	2.46	0.83	2.64:1		6765					
18	C/o FIS Rani di khul Tehsil Palampur District Kangra (HP)	Palampur	Kangra	Neugal Khad	289.93	165.22	220	352	1.32	0.75	1.91:1		8630					
19	C/o FIS Mang Kuhl in Tehsil Palampur Distt. Kangra	Palampur	Kangra	Neugal Khad	287.30	173.26	210	336	1.37	0.83	2.36:1		6320					
20	C/o LIS Hartara, Chabu, Sakrihar and bahi Tehsil Beijnath Distt. Kangra	Palampur	Kangra	Binwa Khad	127.23	52.03	56.30	90.08	2.26	0.92	1.96:1	2x 115 HP	MSEWR=1590mtr	300	415		MLA Priority-I 2013-14	
21	C/O LIS Tamber in Tehsil Jaisingpur Distt. Kangra	Palampur	Kangra	Degoh Khad	216.35	81.26	89.36	126	2.42	0.91	1.94:1	3x 135Hp, single stage	MSEWR - 1530Rmt	250	9050	270.82		
22	C/o FIS Maniyada Tappa and Jugeher Tehsil Palampur District Kangra (HP)	Palampur	Kangra	Mand Khad	167.35	72.05	101	161.6	1.66	0.71	1.62:1		5690					
23	C/o FIS Bhogal Kuhl in Tehsil Shahpur Distt. Kangra	Shahpur	Kangra	Gaj Khad	102.5	82.6	98.6	157.76	1.04	0.84	2.44:1		2937				Shahpur const. 1st Priority 2014-15	
24	C/o FIS Darini Kuhl in Tehsil Shahpur Distt. Kangra	Shahpur	Kangra	Kholi Khad	209.66	74.29	87	139.2	2.41	0.85	7.12:1		4346				Priority -II Shahpur Const.	
25	C/o FIS Ichhi Sonra, Nanghehar, Kotkwalla, abdulapur, jamanab ad and Mihalu in Tehsil & Distt. Kangra	Shahpur	Kangra	Manjhi Khad	387.71	163.52	124.08	198.53	3.12	1.32	1.61:1		6280					
26	C/O LIS Kharot in tehsil Palampur distt. Kangra H.P.	Thural	Kangra	Neugal Khad	82.36		35.4	56.64	2.33	0.00	3.74:1	1st stage= 2x 5=10 hp 2nd stage= 2x30=60 hp	1st stage=45 Rmt. 2nd stage 615 rmt	200		1st stage=6.98 mtr 2nd stage 67.50 mtr	Sullah Const.	
27	C/O LIS Noura in Tehsil Palampur Distt. Kangra H.P.	Thural	Kangra	Neugal Khad	207.7	86.1	101.39	162.22	2.05	0.85	3.82:1	1st stage=2x20=40 hp 2nd stage Phase 1st=2x 50= 100hp	1st stage=45mtr. 2nd stage Phase 1st 990 rmt. 2nd	1st stage=300m m 2nd stage=ph-l=200mm,	2955		1st stage=11.75 mtr 2nd stage PH-1102.84 rmt, ph-II=	
28	C/O FIS Kathul kuhl in Tehsil Palampur distt. Kangra H.P.	Thural	Kangra	Neugal Khad	193.95	89.93	106.7	170.72	1.82	0.84	3.74:1							Sullah Const.
29	Providing distribution to LIS Thural in Tehsil Palampur distt. Kangra H.P.	Thural	Kangra	Neugal Khad	181.98	146.38	185	296	0.98	0.79	2.90:1							Sullah Const.
30	Providing distribution to LIS Purba in Tehsil Palampur distt. Kangra H.P.	Thural	Kangra	Neugal Khad	66.01	64.01	71	113.6	0.93	0.90	2.87:1				125			

Sr. No.	Name of scheme	Division	District	Source	Estimated cost (Rs. In Lacs)		Total CCA (in hect)	UIP (in hect)	Cost per Hectare		B.C.Ratio	Pumping Machinery	Length of R/Main or Kuhl or Main Line (in Rmt)	Dia of R/Main (mm)	Distribution System (in Rmt)		Static head (in mtrs)	Remarks
					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
31	C/O LIS Jagroop Nagar in Tehsil Jaisinghpur Distt. Kangra H.P.	Thural	Kangra	River Beas	241.68	87.26	103	164.8	2.35	0.85	3.47:1	1st stage= 4x 10.5=45 hp, 2nd stage= 2x100=200 hp	200 and 350		5145	1st stage=11.20 mtr and 12 mtr, 2nd stage=13.20 rmt, 2nd Stage ph-1=146.74 rmt, Ph-II = 68.19 rmt	Jaisinghpur Const.	
32	C/O LIS Sakoh Lieunda in Tehsil Jaisinghpur, distt. Kangra H.P.	Thural	Kangra	River Beas	208.42	79.89	92.78	148.45	2.25	0.86	3.52:1	1st stage= 2x 20=40 hp, 2nd stage Ph-I = 2x110=220 hp, Ph-II = 2x 25 =50 hp	1st stage=300m m 2nd stage=ph-1=250mm, ph-II =200 mm		9790	Distribution in RCC Pipe		
33	C/O FIS Book Kuhl in Tehsil Palampur Distt. Kangra	Thural	Kangra	Kirmi Khad	147.11	54.7	62	99.2	2.37	0.88	2.25:1	4250					Sullah Const.	
34	C/O FIS Har liungni from Dhamkhal in Tehsil Palampur Distt. Kangra	Thural	Kangra	Dhamkhal Khad	56.75		24.44	39.10	2.32	0.00	4.24:1	1620					Sullah Const.	
35	C/O LIS Ghur Malehar, Bathian in Tehsil Palampur Distt. Kangra	Thural	Kangra	Neugal Khad	210.14	63.58	77.09	123.34	2.73	0.82	3.55:1	Booster Stage = 2x 25 Hp, stage-1=2x 55 hp	300		5450	Booster Stage = 23.60 mtr, stage-1=20.70 mtr	Sullah Const.	
36	C/O LIS Sugre da bag in Tehsil Jaisinghpur Distt. Kangra	Thural	Kangra	Beas river	73.32		30	48.00	2.44	0.00	1.54:1	Booster Stage = 2x 10 Hp, stage-1=2x 15 hp	200		1995	Booster Stage = 12 mtr, stage-1=20.70 mtr	Jaisinghpur Const.	
37	C/O FIS Lahad and Balla Kuhl in GP Serathana Tehsil Nagrota Bhagwan Distt. Kangra	Thural	Kangra	Daroon Khad	111.36		45	72.00	2.47	0.00	2.19:1	2995					Sullah Const.	
38	C/O LIS Garh from Moul Khad in Tehsil Palampur Distt. Kangra	Thural	Kangra	Moul Khad	511.75	168.67	220.35	352.56	2.32	0.77	2.32:1	Booster Stage = 2x 45 Hp, stage-1=3x 240 hp	400			Booster Stage = 13.60 mtr, stage-1=174mtr	Sullah Const.	
39	C/O LIS Khalta in Tehsil Jaisinghpur Distt. Kangra	Thural	Kangra	Beas river	76.94		35.25	56.40	2.18	0.00	1.73:1	Booster Stage = 2x 7.50Hp, stage-1=2x 15hp	200		1995	Booster stage= 18.30 mtr & 31.33mtr respectively.	Jaisinghpur Const.	
40	C/O LIS Garthoon in Tehsil Palampur Distt. Kangra	Thural	Kangra	Neugal Khad	51.93		22.09	35.34	2.35	0.00	3.11:1	Booster Stage = 2x 7.50Hp, stage-1=2x 25hp	150		860	Booster stage= 26.50 mtr & 92.12mtr respectively.	Sullah Const.	
41	C/O FIS Makkul Kuhl in Tehsil Palampur Distt. Kangra	Thural	Kangra	Neugal Khad	193.68		114	182.40	1.70	0.00	2.71:1	5645					Sullah Const.	
Total					7758.51	2617.49	4711.05	7520.70	1.65	0.83								
B IPH Circle - Hamirpur																		
42	LIS Shidhpur 2nd stage Tehsil Sarkaghat & District Mandi (H.P.)	Sarkaghat	Mandi	Beas river	73.97		33.60	53.76	2.20		3.22:1	R/water stage 12 HP(1set)	150 mm		HDPE Pipe=61	Raw water =31		
Total					73.97	0.00	33.60	53.76	2.20	0.00								

Sr. No.	Name of scheme	Division	District	Source	Estimated cost (Rs. In Lacs)		Total CCA (in hect)	UIP (in hect)	Cost per Hectare		B.C.Rat to	Pumping Machinery	Length of R/Main or Kuhl or Main Line (in Rmt)	Dia of R/Main (mm)	Distribution System (in Rmt)		Static head (in mtrs)	Remarks
					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
C																		
IPH Circle - Una																		
43	C/o LIS to village Polian, jonipur, diwan, bathu (Mohalla charar bari) ballwal and panjawan in Distt. Una	Una Dv. No.-1	Una	-	347.03	117.97	148	236.8	2.34	0.80	1.80:1	Booster Stage=15 Hp. Pumping	MSERW=150 mm= 720Rmt. phase-II=685	150mm to 200 mm =Total=	13630	Phase-1=35.50,42.7 0,25.50,52.71		
					347.03	117.97	148.00	236.80	2.34	0.80								
D																		
IPH Circle - Kullu																		
44	LIS to village Stangidhar Khubu in Nirmand Block District Kullu (H.P.)	Anni	Kullu	Kurpan Khad	186.24	73.07	83.48	133.57	2.23	0.88	1.83:1	2 X 200 HP	720	250	5570	238.5		
45	C/o FIS Bannigad GP kamaand in Aanni Block District Kullu	Anni	Kullu	Kandugad nallah	45.86		18.4	29.44	2.49	2.40:1								
46	Providing LIS to GP Bhalyani, Bhurmeer & Brahman in Tehsil & Distt. Kullu Dharu, Ropa, Shari and Sidwan in Tehsil Banjar District Kullu (HP)	Kullu - I	Kullu	Bhalyani Nallah	1462.70	432.65	567.50	940	2.49	0.74	2.82:1	Bhuthi side 105x2=210 hp, Baragran side 160x2=320hp, Ropri Side 140x2=280hp, Bhallyani side 450x 4=1800 hp, Jathani side 105x2=250 hp, Chhoragpeen side 160x3=480hp	API= 9160	200,250, 300,350, 450mm	HDPE 200mm to 450mm	Bhuthi side stage-1st= 255 mt, Ropri side Ph-1 = 402 mt, Baragran side 1st stage =480 mt, Ph-II 475mt, Ph-III 170mt, Chhor apeen side stage phase-iv=250 mt,		
47	LIS group of villages in GP Bandrol, Gindour, Banogi, Babeli and Sari Tehsil & Distt. Kullu	Kullu - I	Kullu	Beas river	997.40	310.51	416.91	667.06	2.39	0.74	3.93:1	Booster stage=1x75 hp, stage-1=4x120hp, 3x1 50hp, 3x90hp, 5x 200hp	Booster stage=70 stag e-1=1250, 1650, 2 800, 3800	Booster stage=MSE RW=400mm	19875	Booster stages=12mtr, stage-1=579.75mt, 719.55mtr, 55 9.55mt, 829.5 5mt		
48	LIS Dharu, Ropa, Shari and Sidwan in Tehsil Banjar District Kullu	Kullu-II	Kullu	Tirhan River	136.45	37.60	54.80	87.68	2.49	0.69	2.07:1	2x 300 HP	735	300			311.6	Pucca Main Channel=1740 Rmt Field Channel =3288 Rmt
49	Providing LIS to Jarbradha in Tehsil Bhuntar Distt. Kullu	Kullu-II	Kullu	Parvati River	610.70	179.94	256.04	409.66	2.39	0.70	1.34:1	Booster stage=2x25=50hp, Stage - 1=6x300=1800hp	MSERW 450mm 4260 Rmt	HDPE 65mm to 100mm 11040 Rmt	450mm	40588	Booster stages=7.00mt, stage-1=401mt	

Sr. No.	Name of scheme	Division	District	Source	Estimated cost (Rs. in Lacs)		Total CCA (in hect)	UIP (in hect)	Cost per Hectare		B.C.Ratio	Pumping Machinery	Length of R/Main or Kuhl or Main Line (in Rmt)	Dia of R/Main (mm)	Distribution System (in Rmt)		Static head (in mtrs)	Remarks
					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
50	LIS Balagad, Chethar and Khabalin in Tehsil & Distt. Kullu	Kullu-II	Kullu	Koki Khad	714.34	318.4	450.00	720	1.59	0.71	1.43:1	Booster stage=3x15=45hp. Stage - I=5x375hp. stage e-II=5x430hp	HDPE 80to 150mm and G.I. pipe=150 to 200 mm	690	31204	Booster stage=5.50mt , Stage - I=44.1mt. stage e-II=51.6mt		
51	LIS up to village Huria in Tehsil & District Kullu (H.P.)	Kullu-II	Kullu	Beas River	65.49		34.23	54.77	2.50	0.00	1.84:1	1st Staget 2 x 10 HP 2nd stage 2 x 80 HP	200mm		2990			
52	Providing lift irrigation scheme to Pirdi in Tehsil Bhunter District Kullu.	Kullu-II	Kullu	River Beas	100.80		40.52	64.83	2.49	2.34:1	2.34:1	Raw water stage 2x50HP. Stage-I 2x50 HP	200 mm		HDPE 90 to 160 mm	2610Rmt		
Total					4339.98	1352.17	1941.88	3107.01	2.23	0.73								
E IPH Circle - Sundernagar																		
53	LIS Panjano to Chhandyara in G.P. Pangna in Tehsil Karsog District Mandi (H.P.)	Karsog	Mandi	Pangna Khad	123.91	50.87	54.29	86.86	2.28	0.94	2.94:1	1 X 110 HP	200		1800	125		
54	DPR for providing LIS to village Chakhana, Tuman in GP Gowaipur Tehsil Karsog Distt. Mandi	Karsog	Mandi	Chhatri Khad	138.77		44.1	70.56	3.15	0.00	3.98:1	2 x 140 HP	200		1570	335.5		
55	LIS Kukiah to Latogli in G.P. Saroa in Tehsil Chachiyot District Mandi (H.P.)	Sundernagar	Mandi	Bhekhal Khad	60.22		24.38	39.01	2.47	0.00	4.04:1	2 X 40 HP	150		1530	173.4		
56	C/O LIS Shikawari in G.P. Shikawari in Tehsil Thunag District Mandi (H.P.)	Sundernagar	Mandi	Bakhal Khad	288.20	95.92	120	192	2.40	0.80	5.91:1	3 X 200 HP	200		18170	396		
57	C/O FIS Chirdi, Dhar, Bodhal, Chadru, Chambi, Katerawari and Bharari Tehsil Sundernagar District Mandi (H.P.)	Sundernagar	Mandi	Jawla Khad	416.30	137.65	172.89	276.62	2.41	0.80	5.81:1				2425			
58	Providing FIS Jaral to Jugahan in Tehsil Sundernagar, Distt Mandi (HP)	Sundernagar	Mandi	Changal Khad Suketi	200.37	76.06	87.47	139.95	2.29	0.87	5.38 : 1					5655		
59	LIS Thach Shawla in G.P. Tandri in Tehsil Chachiyot District Mandi (H.P.)	Sundernagar	Mandi	Jeuni khad	69.13		27.74	44.38	2.49	0.00	4.43:1	2 x 50 HP and 2 X 5 HP	150		2765			
Total					1296.90	360.50	530.87	849.38	2.44	0.83								
F IPH Circle - Nahan																		
60	Providing LIS to village Chekhenya Rampur and Kanahan in GP Lana Cheta Distt. Sirmour (HP)	Nauradhar	Sirmour	Nait Khad	133.26	55.56	62.24	99.58	2.14	0.89	7.22:1	Ph-I = 1800 Rmt 200mm MSERW, ph-II = 630 Rmt =50 hp	200 & 150		1590	Ph-I = 205, Ph-II = 156		
61	C/O FIS to village Neel in GP Deva Manal Tehsil RenukaJI Distt. Sirmour	Nauradhar	Sirmour	Neol Khad	38.59		30.02	48.03	1.29	0.00	3.79:1	Booster Stage=2 x 10 HP, Pumping machinery 2 x 110 HP.	200 mm			Booster stage=27mt.3 91 mt respectively		
62	C/O LIS to village koti Padhog and adjoining villages Tehsil Rajgarh Distt. Sirmour	Nauradhar	Sirmour	Patal Khad	105.53		45.00	72.00	2.35	0.00	1.45:1	2 x 10 HP	200			200		
63	C/O LIS to village Dharoti and adjoining village in GP Kothajajir Tehsil Rajgarh Distt. Sirmour	Nauradhar	Sirmour	Nawan Khad	53.7		23.44	37.50	2.29	0.00	4.13:1	2 x 40 HP	150		1080	200		
64	C/O LIS to village Badgia and adjoining village in GP Tikker Tehsil Rajgarh Distt. Sirmour	Nauradhar	Sirmour	Giri River	107.98		43.26	69.22	2.50	0.00	2.74:1	Booster stage 2 x 10 HP 1st stage 2 x 110 HP	200		2340	398		

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					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
65	C/o LIS to village Bhalag Bham in GP Kathali Bham in Tehsil Rajgarh Distt. Sirmour	Nauradhar	Sirmour	Nait Khad	76.58		30.73	49.17	2.49	0.00	3.74:1	1st stage 2x70 HP lind stage 2x 50 HP	125 & 100 respectively		1266	378.317 respectively		
66	C/o LIS for multi villages Rajana Baunal, Kakog etc in Tehsil Sangrahd Distt. Sirmour	Nauradhar	Sirmour	Bhootmani Khala	630.93	117.15	256.26	410.02	2.46	0.46	2.93:1	1st stage 2x600 HP lind stage 2x 330 HP	400 & 350 respectively		19050	356.255respectively		
67	C/o LIS to village Dhaun chukarial and adjoining villages under GP Shaya Sanora in Tehsil Rajgarh Distt. Sirmour	Nauradhar	Sirmour	Pajatu Khad	125.00	47.80	50	80.00	2.50	0.96	3.38:1	Booster stage 2 x10 HP 1st stage 2 x 90HP lind stage 2x 50HP	MSERW 200mm, 200mm, 200mm respectively		3090	10,289,285 respectively		
68	LIS to village Redi Ghushan in GP Thor Niwar in Tehsil Rajgarh Distt. Sirmour	Nauradhar	Sirmour	Giri River	127.26	50.69	54.04	86.46	2.35	0.94	2.93:1	Booster stage 2 x10 HP 1st stage 2 x 80HP lind stage 2x70HP	MSERW 150mm, 200mm, 150mm respectively		2640	15,275,180 respectively		
69	C/o LIS Keshmirpur Brahamna in Tehsil Nalagarh Distt. Solan	Nalagarh	Solan	Golhan Khad	45.36		18.89	30.22	2.44		2.19:1	Stage 1st 45 HP	150 mm		HDPE 160 mm	2560 Rmt		
70	C/o LIS from Rampur Chak Berchha in Tehsil Nalagarh Distt. Solan	Nalagarh	Solan	Bairchha Khad	40.33		20	32.00	2.02		3.49:1	Stage 1st 25 HP	125 mm		HDPE 160 mm	1800 Rmt		
Total					1484.52	271.20	633.88	1014.20	2.34	0.64								
G IPH Circle - Reckongpeo																		
71	C/o FIS Naa in village Rangrik in GP Khurik in Spiti valley in Distt. Lahaul Spiti	Kaza	Lahaul Spiti	Spiti Khad	79.33	47.8	50.00	80	1.59	0.96	13.1:1		4880					
72	C/o FIS Jal Grawn in GP Tabo in Spiti valley in Distt. Lahaul Spiti	Kaza	Lahaul Spiti	Tabo nallah	36.89		15.00	24.00	2.46	0.00	5.29:1		1450					
73	C/o FIS Khakrola in GP Singla Tehsil Rampur Distt. Shimla	Rampur	Shimla	Nogli Khad	155.77	65.70	75.00	120	2.08	0.88	3.78:1		6500					
74	C/o FIS oddigad to Khanewli in GP Devnagar in Tehsil Rampur Distt. Shimla	Rampur	Shimla	Oddigadi ghat	70.20		31.14	49.82	2.25	0.00	2.89:1		1900					
75	LIS from Nogli Khad to village Masarna, Kareri, Kamlahoo and Thenol in GP Bhadhwali Tehsil Rampur Distt. Shimla	Rampur	Shimla	Nogli Khad	290.23	104	128.49	205.58	2.26	0.81	8.97:1	Stage-1=2x10 HP, Stage-II=2x 10 HP	MSERW=960 Rmt, 1190 Rmt respectively	65		380		
76	C/o FIS Kamroo (Kharogla to Kuppa) in Tehsil Sangla Distt. Kinnour	R-Pao	Kinnour	Kharogla nallah	652.00	199.59	262	419.2	2.49	0.76	9.04:1		14475m		14480		Kinnour 2014-15 MLA Priority	
Total					1284.42	417.09	561.63	898.60	2.29	0.81								
H IPH Circle - Rohru																		
77	LIS to G.P. Anti from Anti Khad (for horticulture land) in G.P. Anti Tehsil Jubbald District Shimla (H.P.)	Jubbald	Shimla	Anti, Rumm u & Nallah	540.00		329.56		1.64	0.00	8.89:1	2 X 10 HP	1500	50	17303	450		
78	Providing LIS from Giri Khad to Devgarh in GP Devgarh Tehsil Kotkhai, Distt Shimla (HP)	Jubbald	Shimla	Giri Khad	210.24		90.21		2.33	0.00	3.41:1	2 x 1 HP 1st Stage 2 x 10 HP 2nd Stage 2 x 5 HP	Booster Stage 15 Rmt 1st Stage 1300 Rmt 2nd Stage 1900 Rmt	50, 40 & 32	22891	15m, 364m & 401m		

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					Main Works	CAD Works			Main Works	CAD Works					G.I. Pipe	HDPE pipe		
79	Providing LIS from Chagaownti Khad to Tharmala in GP Himri and covering adjoining portions of GP Rawalakiar & Ramnagar, Tehsil Kotkhai, Distt Shimla (HP)	Jubbal	Shimla	Chagaon wnti Khad	844.05		433.8		1.95	0.00	6.56:1	2 x 3 HP 1st Stage 2 x 35 HP 2nd Stage 2 x 35 HP 3rd Stage 2 x 12.5 HP	125,80, 80 & 80 mm respectively	85635		21.00 335.00 422.00 395.00		
80	DPR for FIS for irrigation facilities to horticulture land under GP Darkoti and Gareog Tehsil Kotkhai Distt. Shimla	Jubbal	Shimla	Girttu nallah	628		347.46		1.81	0.00	2.52:1			61270				
81	Providing FIS for irrigation facilities to horticulture land Kuddu in GP Kuddu Tehsil Jubbal Distt. Shimla	Jubbal	Shimla	Nalia Khad / Kuddu khad	120.12		59.73		2.01	0.00	3.41:1			9790				
82	DPR for Providing LIS from Chagaownti Khad to GP Kalbog, Nagan and Ramnagar, Tehsil Kotkhai, Distt Shimla (HP)	Jubbal	Shimla	Chagaon wnti Khad	1920.00		1031.1703		1.86	0.00	6.56:1	Phase-I 2 x 4HP 1st Stage 2 x 45 HP 2nd Stage 2 x 40HP 3rd Stage 2 x 30HP Phase-II 2 x 2HP 1st Stage 2 x 25 HP 2nd Stage 2 x 15 HP 3rd Stage 2 x 20HP Phase-III 2 x 3HP 1st Stage 2 x 25 HP 2nd Stage 2 x 15 HP 3rd Stage 2 x 10HP	65 to 100	85635	71550			
83	Providing LIS Jarwa to Jandor GP Pujarti Tehsil Chopal Distt Shimla	Newa Division	Shimla	Shaknout khad	135.76		66.33	106.13	2.05	0.00	3.62:1	2x80 hp	200	5808		360		
84	LIS for horticulture land from Dorga khad to group of villages in GP Pujarti No.4 Tehsil Rohru Distt. Shimla	Rohru	Shimla	Dorga khad	651.20		395.51		1.65	0.00	3.57:1	1st stage 2 x 25HP 2nd stage 11rd stage 2 x 10 HP	125mm, 80mm,80mm respectively	93230		400mt,414mt &415mt respectively		

