Himachal Pradesh Irrigation & Public Health Department

| No. IPH-SE | E-P&I-II-EE(D) -STAC/2013- 14/- 5263-9 | H Dated: 18,8,201 |
|------------|--|-------------------|
| To | 2403 | |
| 1. | The Engineer-in-Chief, I&PH Department, U.S. Club, Shimla-1. | Chairman |
| | torn bepartment, o.s. club, sillilla-1. | |
| 2. | Representative of the Chairman, | Member |
| | Ganga Flood Control Commission, | |
| | Sinchai Bhawan, 3 rd Floor, | |
| | Patna (Bihar)-800015. | |
| 3. | Representative of the Secretary to the | Member |
| | GOI, Ministry of Shipping and Transport, | |
| | (Road Wing) Transport Bhawan, New | |
| | Delhi. | |
| 4. | Representative of the Principal Secretary | Member |
| | (Finance) to the H.P., Shimla-171002. | |
| 5. | Representative of the Chief Engineer | Member |
| | (F.M.), CWC, Sewa Bhawan, 8 th floor, | |
| | R.K. Puram, New Delhi. | |
| 6. | Representative of the Principal Chief | Member |
| | Conservator of Forest H.P., Talland, | |
| | Shimla-171002. | |
| 7. | Representative of the Director of | Member |
| | Agriculture H.P., Nalagarh House, | |
| | Boiluegang, Shimla-171005. | |
| 8. to 1: | The Chief Engineer, I&PH Department | Member |
| | (MZ,DZ,HZ,SZ). | |
| 12. | Regional Director, Govt. Of India, MOWR, | (Special Invitee) |
| | Central Ground Water Board, | (Special invitee) |
| | Dove Cottage, Ram Nagar, Near Post | |
| | Office Dharamshala-176215 | |
| 13. | Director, (M&A) | (Special Invitee) |
| | Directorate, CWC, MOWR, Govt of India, | (|
| | SDA Complex, Block No. 10, Shimla-9. | |
| 14. | Chief Engineer, (D&M), I&PH Department, | (Special Invitee) |
| | U.S. Club, Shimla-1. | X-F-2-3 |
| | CONSTRUCT DE STORMANTON TO | |

Subject:-

Minutes of 45th meeting of State Technical Advisory Committee (STAC) for Flood protection works, AIBP and Repair, Renovation & Restoration of Water Bodies held on 22.02.2014.

Reference:-

This Office letter No. IPH-SE-P&I-II-EE(D) – STAC/2013 – 4954-4977 dated 19.02.2014

Sir/ Madam,

Enclosed please find herewith the Minutes of 45th meeting of State Technical Advisory Committee (STAC) for Flood protection works, AIBP and Repair, Renovation & Restoration of Water Bodies held on 22nd February, 2014 at 12:00 P.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.

Member Secretary cum Superintending Engineer, P&I-II, Jal Bhawan,

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

The Addl. Chief 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.

Himachal Pradesh Irrigation & Public Health Department

| No. IPH-SE-P | &I-II-EE(D) -STAC/2013- 14/- 5263 - 9 | H Dated: 13.3,2014 |
|--------------|--|--------------------|
| 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, 3 rd 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, 8 th 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, U.S. Club, Shimla-1. | (Special Invitee) |

Subject:-

Minutes of 45th meeting of State Technical Advisory Committee (STAC) for Flood protection

works, AIBP and Repair, Renovation & Restoration of Water Bodies held on 22.02.2014.

Reference:-

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Encls.: as above.

Member Secretary cum Superintending Engineer, P&I-II, Jal Bhawan,

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

The Addl. Chief 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 45th MEETING OF STATE TECHNICAL ADVISORY COMMITTEE (STAC) FOR FLOOD PROTECTION WORKS, REPAIR, RENOVATION & RESTORATION OF WATER BODIES AND IRRIGATION SCHEMES (AIBP) HELD ON 22.02.2014

The 45th meeting of State Technical Advisory Committee (STAC) was convened on 22.02.2014 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&I-II 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

FLOOD PROTECTION WORKS OF IPH CIRCLE NAHAN
Providing Flood Protection work to village Kishanpura (Near
GPS Kishanpura) in Tehsil Paonta Sahib Distt. Sirmour (HP)

Wire crated embankment with apron was proposed in a stretch of 360 Rmt along the left bank and 360 Rmt Right Bank of Jammu Ka Khalla, in village Kishanpura. The estimate has been framed based upon analysed rates adopting latest market/ labour rates for an amount of Rs. 85,92,800/-. The proposed works shall protect agriculture land of 65 Bigha (4.94 Hectare). It was proposed to provide 150 mm thick CC Wall in 1:6:12 in between the two layers of wire crate. It was suggested to provide this wall on one side of the embankment rather than between two layers. The necessary modifications suggested were incorporated in the estimate and the proposal was put up for the approval of STAC. After detailed discussion and deliberation, the committee approved the proposal.

AGENDA ITEM NO: 2

Minor Irrigation Schemes for inclusion/ funding under AIBP in respect of HP State – List Enclosed as per Annexure- "B".

The proposal for each minor irrigation schemes for inclusion under AIBP was discussed in detail alongwith the salient features. It was suggested that following points may be taken care of in general for all schemes.

- (a) The Power Availability certificate from HPSEB shall be attached for all Lift Irrigation Schemes.
- (b) The farmers to be benefited from each scheme shall be mentioned for all Irrigation Schemes.

(c) The source plan showing all schemes and projects (completed, ongoing & proposed) 10 km upstream and downstream of the proposed head works shall be attached with each DPR.

However some schemes have particular observations, which are discussed below:

- 1. LIS upto village Hurla in Tehsil & District Kullu (H.P.)
 - i. The cost per hectare is Rs. 2.49 lakh per hectare which is almost at par with prescribed norms of AIBP and the provision for desilting arrangement is to be included. It was decided to prepare the estimate for all components irrespective of the estimated cost of the schemes. However, the proposal for inclusion under AIBP shall be forwarded to centre Government for the amount within AIBP guidelines.
 - ii. The arrangements at head works needs to be properly made as the source is river Beas and for 1st stage the static head mentioned is 0.55 mtr only, which needs clarification.
- 2. LIS Kuklah to Latogli in G.P. Saroa in Tehsil Chachiyot District Mandi (H.P.).
- 3. LIS Thach Shawla in G.P. Tandi in Tehsil Chachiyot District Mandi (H.P.) SE, Sundernagar explained the proposals and informed that the schemes have high Benefit to Cost ratio as the CCA covered has the very high potential for off-seasonal cash crops. The committee approved the proposals after detailed deliberations.
- 4. LIS Panjano to Chhandyara in G.P. Pangna in Tehsil Karsog District Mandi (H.P.) It was decided to review the proposal as the Benefit to Cost ratio was very high and to include the left out provisions in the estimate.
- 5. LIS Shidhpur 2nd stage Tehsil Sarkaghat & District Mandi (H.P.)
 The proposal was dropped as it was not presented by any of the field functionary as EE/SE was not present.
- 6. LIS to G.P. Anti from Anti Khad (for horticulture land) in G.P. Anti Tehsil Jubbal District Shimla (H.P.)
- 7. Providing LIS for Horticulture land from Giri Khad to Devgarh in GP Devgarh Tehsil Kotkhai, Distt Shimla (HP)
- 8. Providing LIS for Horticulture land from Chagaownti Khad to Tharmala in GP Himri and covering adjoining portions of GP Rawalakiar & Ramnagar, Tehsil Kotkhai, Distt Shimla (HP)
- 9. Providing LIS for all villages of GP Kuthar, Ghorna, Bagri and Basadhar, Tehsil Theog, Distt Shimla (HP)

It was decided to review the proposals due to following reasons:

- i. The Distribution system was designed with GI Pipes instead of HDPE Pipes. The same is to be designed for both keeping in view the site conditions.
- ii. The pumping machinery and rising main is to be redesigned keeping in view the availability of pumps in market as per design duty heads.
- iii. The composite key Plan of the scheme is to be prepared.
- iv. The name of the scheme shall be changed suitably.

AGENDA ITEM NO: 3 CAD Proposals of IPH Circle Nurpur — Sidhatha & Shahnehar Project.

SE, Nurpur explained the CAD proposals for Sidhatha & Shahnehar Project with the help of power point presentation. The committee has detailed deliberations and discussed the schemes w.r.t. cost norms under AIBP and arrived at following decisions:

DPR of CAD Works of Sidhatha MIP.

It was decided to complete the CAD works in 2 years instead of 4 years as proposed or with the target to complete parri passu (with a maximum of one year relaxation) with the works under AIBP. The proposal was approved.

 Revised DPR for C/o CAD works of Shahnehar Project in Tehsil Fatepur & Indora, Distt Kangra (HP)

The proposal was approved and matter is to be taken up with top priority for the approval from Gol.

AGENDA ITEM NO: 4 Extension, Renovation & Modernisation (ERM) Proposal under AIBP for year 2014-15.

The proposal for ERM for providing Sprinkler Irrigation System of Changer Area MIS from Anandpur Hydel Channel in Tehsil Shri Naina Devi, Distt Bilaspur was discussed in detail and it was decided to exclude the provision of Sprinklers and HDPE/ GI pipes, as same shall be considered in separate DPR for CAD works.

AGENDA ITEM NO: 5 Repair, Renovation & Restoration of Water Bodies.

The proposal for Providing Irrigation facilities through construction of water bodies in various Gram Panchayats under IPH Division, Shimla – 1, Sub Division Koti, (HP) received during the meeting was discussed with the permission of the chair and following decisions were arrived at:

The guidelines issued by Ministry of Water Resources for Repair, Renovation & Restoration (RRR) of Water Bodies in October, 2013 are to be adhered alongwith the compliance of the check list provided in the same guidelines. EE IPH Division, Shimla – 1 was asked to amend the DPR accordingly.

Meeting ended with a vote of thanks to the chair.

LIST OF PARTICIPANTS FOR THE 45th MEETING OF STATE TECHNICAL ADVISORY COMMITTEEE (STAC) FOR FLOOD PROTECTION WORKS, REPAIR RENOVATION & RESTORATION OF WATER BODIES AND IRRIGATION SCHEMES (AIBP) HELD ON DATED 22.02.2014 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. Ashwani Gupta, Chief Engineer, I&PH Department Shimla Zone. | Member |
| 3. | Er. R. K. Malhotra, Chief Engineer (D&M), I&PH Department U.S. Club, Shimla-1. | Special Invitee |
| 4. | Sh. Anil Sharma Additional Director(Fin) Nominee of Special Secretary (Fin) | Member |
| 5. | Sh. D. K. Vij, Assistant Conservator of Forests O/o Addl. Pr CCF(Soil) | Member |
| 6. | Sh. Shyam Singh Thakur, ASCO (H/Q), Directorate of Agriculture, HP Shimla | Member |
| 7. | Sh. P Dorje Gyamba, Director, CWC Shimla | Special Invitee |
| 8. | Er. Naveen Puri, Superintending Engineer, P&I-II Jal Bhawan, Kasumpti Shimla-9. | Member Secretary |
| 9. | Er. Rajesh Bakshi, Superintending Engineer, IPH Circle, Nurpur | |
| 10. | Er. L.R Choudhary, Superintending Engineer, IPH Circle, Sunder | |
| 11. | Er. R.K Varmani, Superintending Engineer, IPH Circle Bilaspur | |
| 12. | Er. B.R Sharma, Superintending Engineer, IPH Circle Nahan | |
| 13. | Er. Chatar Singh, Executive Engineer (D), IPH Circle Kullu | |
| 14. | Er. Anil Mehta, Executive Engineer IPH Division No-1 Kasumpti, | , |
| 15. | Er. S.S Kaushal, Executive Engineer, SNP Sansarpur Tarrace | |
| 16. | Er. J.S Sodhi, Executive Engineer, SMIP Division Jawali | |
| 17. | Er. P.R Chauhan, Executive Engineer, IPH Division Nohra Dhar | |
| 18. | Er. Mahesh Sharma, Executive Engineer, IPH Division Poanta Sahib | |
| 19. | Er. Avinder Singh Chadha, Executive Engineer, CAMLIP Bassi | |
| 20. | Er. Ravinder Kumar Sharma, Executive Engineer IPH Division Jubbal | |
| 21. | Er. Basant Rathore, Assistant Engineer, IPH Sub Division Koti | - |
| 22. | Er. Ajay Verma, Assistant Engineer, IPH Sub Division Sainj | |
| 23. | Er. A.K Awasthi, Assistant Engineer, SMIP Jawali | |

Annexure - B

APPROVED/ PROPOSED SHELF OF MINOR IRRIGATION SCHEMES UNDER AIBP FOR THE YEAR 2014-15 TO 2015-16 DURING 45TH STAC MEETING

| Кетагка | Static head (in mtrs) | Distribution System (in Rmt) | Dia of R/Main | Length of R/Main (in R/Main (in | Pumping Machinery | OitsA.D.B | Cost per hectare (in Lacs) | ADD IstoT (for hect) | Estimated cost (in Lacs) | Source | District | узше от ясћете | Sr. oN |
|---------|--|--|------------------|---------------------------------|--|-----------|----------------------------------|-------------------------|--------------------------|--------------------|----------|---|-----------|
| | | | | | | | | | | | | IPH Circle - Kullu | A |
| | 1st stage = 0.55 20.901 = 9psts bnS | HDPE Pipe=2990 | mm002 | 004 | 1st Staget 10 HP(2 sets) 2nd stage 80 HP (2 sets) | 1:48.1 | 2.49 | 34.23 | 62.28 | Beas River | Kullu | LIS up to village Hurla in Tehail &District Kullu (H.P.) | |
| | 09.118 | Pucca Main Channel=1740 Rmt Field Channel =3288 Rmt | 300 mm | 987 | AH 00€ XZ | 1:70.2 | 2.49 | 24.80 | 136.45 | Tidhan River | Kullu | LIS Dharu, Ropa, Shari and Sidwan in Tehail Banjar District Kullu | 2 |
| | 238.50 | OTSE=9qiq 3qQH | MSERW S50 mm | 10000000000 | 2 X 200 HP | 1:68.1 | 2.23 | 84.68 | 186.24 | Kurpan Khad | Kullu | LIS to village Stangidhar Khubu in Nirmand Block District Kullu (H.P.) | PRODUCT. |
| | 04.871 | HDPE Pipe= | mm 031 | 099 | 2 X 40 HP | 1:40.4 | 74.2 | 24.38 | 22.09 | Bhekhali Khad | ibnsM | IPH Circle - Sundernagar LIS Kuklah to Latogli in G.P. Saroa in Tehsil Chachiyot District Mandi (H.P.) | |
| | 0 + .602 | NDPE Pipe= 2765 Rmt | mm 031 | 909 | 2 x 50 HP and 2 X 5 HP | 1:54.4 | 74.2 | 47.72 | 69'89 | Bhakhali Nallah | ibnsM | LIS Thach Shawla in G.P. Tandi in Tehsil Chachiyot District Mandi (H.P.) | g |
| | 125.00 | = 9qi9 ID 18008h | mm 002 | 099 | 9H 011 X 1 | 1:91:6 | 39.1 | 62.43 | · 77.68 | Pangna Khad | Mandi | LIS Panjano to Chhandyara in G.P. Pangna in Tehail Karsog District Mandi (H.P.) | |
| | 00'968 | HDPE Pipe 18170 Rmt | mm 002 | 1800 | 3 X 200 HP | 1:16.3 | 0¥.Ω | 120 | 02.882 | Bakhali Khad | ibnsM | C/O LIS Shikawari in G.P. Shikawari in Tehsil Thunag District Mandi (H.P.) | L |
| 8 | - | Rmf BDF = 2425 | 112 | 120 | _ | 1:18.3 | 2.40 | 172.89 | 416.30 | Khad | ibnsM | C/O FIS Chirdi,Dhar, Bodhal, Chadru, Chambi, Katerawari and Bharari Tehail Sundemagar District Mandi (H.P.) | |
| | er ee | Pucca Main Channel=3050 Rmt HDPE Pipe = 5655 Rmt | | 2.20 | | 1:88:3 | 5.39 | 74.T8 | 76.002 | Khad | ibnsM | Providing FIS Jaral to Jugahan in Tehzil Sundemagar, Distt Mandi (HP) | |
| | Raw water =31 | HDPE Pipe=6190 | mm 031 | 1640 | R/water stage | 1:88.1 | 76.1 | 33.60 | 81.99 | Beas River | ibnsM | IPH Circle - Hamirpur LIS Shidhpur 2nd stage Tehsil | |
| | 33.981 = 9gsts tet | | | | 12 HP(1set) 1st stage 35 HP (2 set) | | | | | | | Sarkaghat & District Mandi (H.P.) | |
| 1 | 00.024 | G.I.Pipe 17303 | mm 03 | 1200 | 2 X 10 HP | 1:68.8 | 1.64 | 329,56 | 00.048 | unmuЯ,itnA | Shimla | IPH Circle - Rohru | |
| | 00:004 | coort admiro | | 0001 | JU 01 V 7 | 1.60.0 | t-0.1 | 00,620 | 00.040 | Asilah & | | LIS to G.P.Anti from Anti Khad (for horticulture land) in G.P. Anti Tehsil Jubbal District Shimla (H.P.) | |

| | | | | | - | | ** | , |
|---------|--|---|---|--|---|---|---|----------------------------------|
| | 27 | 26 | 25 | 24 | 23 | 22 | 21 | Sr. |
| Total: | C/O LIS Sakoh Lieunda in Tehsil Jaisinghpur, distt. Kangra H.P. | C/O LIS Jagroop Nagar in Tehsil Jaisinghpur Distt. Kangra H.P. | Providing distribution to LIS Purbal in Tehsil Palampur distt. Kangra H.P. | Providing distribution to LIS Thural in Tehsil Palampur distt. Kangra H.P. | C/O FIS Kathul kuhal in Tehsil Palampur distt. Kangra H.P. | C/O LIS Noura in Tehsil Palampur Distt. Kangra H.P. | C/O LIS Kharot in tehsil Palampur distt. Kangra H.P. | Name of scheme |
| | Kangra | Kangra | Kangra | Kangra | Kangra | Kangra | Kangra | District |
| | River Beas | River Beas | Neugal Khad | Neugal Khad | Neugal Khad | Neugal Khad | Neugal Khad | Source |
| 6273.42 | 208.42 | 241.68 | 66.01 | 181.98 | 193.95 | 207.7 | 82.36 | Estimated cost (in Lacs) |
| 3380.78 | 92.78 | 103 | 71 | 185 | 106.7 | 101.39 | 35.4 | Total CCA (in hect) |
| 1.86 | 2.25 | 2.35 | 0.93 | 0.98 | 1.82 | 2.05 | 2.33 | Cost per hectare (in Lacs) |
| | 3.52:1 | 3.47:1 | 2.87:1 | 2.90:1 | 3.74:1 | 3.82:1 | 3.74:1 | B.C.Ratio |
| | Ist stage= 2x 20=40 hp, 2nd stage Ph.I = 2x110=220 hp, ph.II = 2x 25 =50 hp | Ist stage= 4x 10.5=45 hp, 2nd stage= 2x100=200 hp | 1 | ı | I | Ist stage=2x20=40 hp 2nd stage Phase Ist=2x 50= 100hp Phase 2nd= 2x 75=150 hp | Ist stage= 2x 5=10 hp 2nd stage= 2x30=60 hp | Pumping Machinery |
| | Ph Ph Ph | Ist stage= 90 and 450 mtr, 2nd 1950 rmt. | ı | 1 | 1 | Ist stage= 45rmtr. 2nd stage Phase Ist 990 rmt. 2nd phase=14 70 rmt. | Ist stage=45 Rmt. 2nd stage 615 rmt | Length of R/Main (in Rmt) |
| | Ist stage=300 mm 2nd stage=ph- I=250mm, ph-II =200 mm | 200 and 350 mm | | | 1 | stage=300 mm 2nd stage=ph- l=200mm, ph-II =250 mm | 200mm | Dia of R/Main |
| | rmt. | HDPE pipe =5145 rmt. | HDPE pipe =14679 rmt. | HDPE pipe =14430 rmt | Pucca Channel =6030 rmt. | HDPE Plpe 2955 Rmt | Pucca main =1560 rmtr. | System (in Rmt) |
| | Ist stage = 13.20 rmt. 2nd Stage ph- ist=146.74 rmt. Ph-II = 68.19 rmt. | | I | I | 1 | Ist stage=11.75 mtr 2nd stage Ph-1102.84 rmtr, ph-II= 112.54 rmt. | lst stage=6.98 mtr 2nd stage 67.50 mtr | (in mtrs) |
| | | | | | | - 6 | | Kemarks |