



**GOVERNMENT OF SINDH  
PLANNING & DEVELOPMENT DEPARTMENT**

**MINUTES OF THE TECHNICAL COMMITTEE MEETING HELD ON SEPTEMBER 01, 2009 IN  
P&D DEPARTMENT REGARDING WATER SECTOR PROJECTS.**

(LIST OF PARTICIPANTS AT ANNEXURE -I)

**ITEM NO. 02: CONSTRUCTION OF RETAINING WALL ALONG RICE CANAL FROM RD-358 TO RD-363 BOTH SIDES IN BADEH CITY - (ESTIMATED COST RS. 126.688 MILLION) – ADP NO. 198**

After words of welcome from chair, the forum was apprised that the objective of the scheme was to construct retaining wall for 5 RD's ( 5000 Rft) both sides against the One RD proposed in the ADP 2009-10 (S.No. 198). Retaining Wall was proposed for the safety & beautification of Badeh Town of District Larkana adjacent to Rice Canal between RD's 358 to 363. The reach passes through center of the town. The design discharge at this point is around 5266 cusecs and has a bed width of about 148 ft and full supply depth was 11 ft.

2. It was informed that cost of the scheme was too high and it would not mainly contribute to wards the improvement in the Irrigation or Drainage network and agriculture. Scheme is only proposed for passing of Rice Canal through the populated area covered thick encroachment on both sides of the bank, which were the cause of erosion of banks, free movement of herds in the channel prism. It was suggested by the Technical Section of the P&D Dept. that IPD should improve the banks of channels and vulnerability of weak and exposed portion to the town, to rehabilitate through stone pitching or lining instead of proposing Retaining Wall along with serious efforts by Administrative Department for removal of encroachment along the canal banks for the safety of the Irrigation System. Moreover, it was also asked to Sponsors to look into the design of the Retaining Wall which was contradictory to the design at Page-21 of the PC-I and Page-22 of the PC-I. The total height was different at two different sections, which may be corrected / modified as per discussion. It was suggested that height of retaining wall and design parameter be reviewed / reduced which in proposal have free board of about 6.5 from WWL, thus economy design be adopted. A.D agreed to look into.

3. Additional Secretary (T), I&P Deptt. agreed that necessary parameters of design for retaining wall would be looked into along with numbers of RDs which are reflected different in ADP book and the proposed PC-I. The cost of the scheme would also be rationalized as scheme was prepared on old schedule of rates for carriage / cartage.

4. After detailed discussion, it was decided that IPD to review the proposal , its design, cost estimates, correct the PC-I as discussed after deleting un-necessary items, rationalizing cost for cartage on new schedule, duplication of items and would submit the correct/modified PC-I at rationalized cost on merit besides A.D to give video / power point presentation before ACS (Dev.) for justifying the proposed works.

**Decisions:**

- i. The Scheme was recommended for PDWP subject to review of design of retaining wall, number of RDs to be constructed for retaining wall / stone pitching, deleting un-necessary items, using nearest quarry, rationalizing cost of scheme in general and for cartage on new scedule in particular.
- ii. A.D to give vedio / power point presentation showing the encroached areas, importance of schme on proposed works with full justification in the meeting.
- iii. A.D would submitted correct / modified PC-I at reduced cost for consideration of PDWP.



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**ITEM NO. 03: REMODELLING OF ARTHAR BRANCH RD -0 TO TAIL-  
(ESTIMATED COST RS. 100.034 MILLION) – ADP NO. 228**

The forum was apprised that scheme has been included in the ADP portfolio at G.S. No. 228 for Remodelling of Arthar Branch from RD-0.00 to RD-104.5 (Tail). Arthar Branch off-takes from Rice Canal at u/s of Arthar X-Regulator at R.D 310 with design discharge of 717 cusecs. The command area settled on this channel is 18,357 acres. The system provides water for mostly paddy crop in the Kharif Season. The I&P Dept. was of the view that due to changes in the agriculture sector, use of new agriculture machinery that has also changed the old methods of cultivation and increased the crop intensity by 100% where as the channel Arthar Branch was deficient and unable to provide timely supplies during peak of Kharif Season resulting in rotation of water. It was also informed to the forum by technical Section that technical parameters procedure for the re-modelling / extension of the canal has not been followed besides a scheme for Retaining Wall / Stone Pitching of Arthar Canal from RD-11.5 to RD-22 has already been approved by PDWP. Therefore AD should look into and avoid duplication.

2. On the query, the Additional Secretary, IPD informed that remodeling of the canal was normally be done for carrying the additional water through the system, which was not required / needed in this case, however canal has already been providing water to the command of 18,357 acres which required rehabilitation / improvement works for which separate proposal would be submitted. The scheme was withdrawn on the request of I&P Dept.

**Decisions:**

The scheme was withdrawn on the request of the sponsors for further review / resubmission of revised proposal for improvement of system instead of Re-modelling.



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(LIST OF PARTICIPANTS AT ANNEXURE -I)

**ITEM NO. 01: PROPOSAL FOR KOREAN ASSISTANCE AND SOFT LOAN FOR IRRIGATION SECTOR:-**

- (i) **LINING OF DISTRIBUTARIES AND MINORS IN COMMAND OF PHULLELI CANAL, GUNI CANAL AND AKRAM WAH (LEFT BANK CANAL AREA WATER BOARD BADIN) COST RS.58.00 MILLION.**
- (ii) **CEMENT CONCRETE LINING OF IRRIGATION CHANNELS UNDER COMMAND OF SUKKUR BARRAGE LEFT BANK REGION. COST RS.21417.045 MILLION**
- (iii) **RESTORATION OF DHORO PURAN, MIRPURKHAS- COST RS.31.00 MILLION**
- (iv) **IMPROVEMENT OF PHULLELI CANAL (LEFT BANK CANAL AREA WATER BOARD BADIN) – COST RS.10,626.00 MILLION.**

After words of welcome from the chair, the forum was apprised that Korean Government had offered US \$ 20 million as a grant and soft loan of US \$ 160 million at the Friends of Pakistan conference held in Tokyo in April 2009 on merely 1 % interest. In this regard, Director General Sindh Board of Investment has informed that Federal government was finalizing the Projects for Grants and loan. Accordingly I&P Dept. has forwarded above four projects wherein Two (02) schemes at cost of Rs. 5.8 billion & Rs. 21.4 billion related with lining of channels / Distributaries / minors, while others for Improvement of Phuleli Canal (Lef Bank Canal AWB) at a cost of Rs. 10.626 billion and Restoration of Dhoro Puran Mirpukhas of a Cost Rs. 10.626 billion.

2. The chair stated that estimated cost of 4 schemes comes to around Rs. 41.00 Billion which were on very high side as compared to the commitment of funds under Korean Assistance. Therefore, A.D to prioritize the activities & submit proposal at rationalized cost for onward transmission to Federal Government.

3. The Senior Chief (W&D) apprises that A.D should avoid duplication of activities of the lining of channels, Distributaries Minors as presently lining activities are being implemented / proposed under federal funding Rs. 13 billion on Ph-I, proposed Rs. 50.0 Billion, for Ph-II&III Rs. 5.8

billion & Rs. 10.6 billion under President / Federal Directives & WSIP Project (World Bank Aided Project) consist of 53 channels of area, Provincial ADP scheme of Phuleli at a cost of Rs. 500 million under federal directives are provided in ADP / etc. The technical section was of the view that priority should be given to the Restoration of Dhoro Puran Mirpurkhas where PC-I of a cost of Rs. 3100.00 million already prepared / submitted which would help to drain the surplus surface / stand by water & to lower the ground water table for an area of 0.64 million acres of agriculture land and 192 million acres of new area in District Mirpurkhas and tharparkar after construction of 60 miles channels in length, besides surplus water outfall in Shakoor Dhand would be used but rep. of I&P Deptt. did not agree.

4. During discussion, it was apprised that scheme of lining of Distributaries & Minors in command of Phullali Canal, guni Canal (40 Channels) at a cost of Rs. 5800 million under federal funding has already been cleared by the technical Committee meeting held on 23-7-2009 but corrected PC-I at rationalized cost is still awaited inspite of letter dt. August 2009 from P&D Dept. for further action.

5. After detailed discussion, the A.S, IPD assigned priority for implementation of the scheme namely “Cement Concrete Lining of 200 irrigation channels under command of Sukkur Barrage of the Left Bank Region” at estimated cost of Rs. 21.417 billion among four schemes.

6. The chair advised IPD to review / rationalize the cost estimates, avoid duplication of activities and prioritize the activities due to limited resources and accordingly submit PC-I within estimated cost of Rs. 10.00 Billion for onward transmission to federal government for seeking Korean assistance . The Chief Foreign Aid suggested that concerned AD to submit PC-I today as delay has already been occurred and have limited time. A.D agreed to submit PC-I with 2 days.

**Decision:**

- (i) The Scheme namely ‘Cement Concrete Lining of Irrigation Channels’ under command of Sukkur Barrage, Left bank Region (Rohri Canal System, Khairpur Feeder East & West System at a cost of Rs. 10.00 Billion was cleared for seeking foreign assistance out of four proposals as recommended by I&P Dept.
- (ii) A.D would review / rationalize the cost estimates avoid duplication of the activities of the on-going / proposed schemes and submit required copies of PC-I within cost of Rs. 10 billion by 3<sup>rd</sup> September 2009 for onward transmission to federal government for seeking Korean assistance.
- (iii) A.D would follow all required codal formalities, procedures and rules before / during process / implementation of the scheme.

**List of Participants**

**Technical Committee Meeting held on 01-09-2009**

**Planning & Development Department**

- i. **Dr. Noor ul Haq**  
Chief Economist **In Chair.**
- ii. Ms. Rehana G Ali Memon  
Special Secretary (Tech.)
- iii. Mr. Muhammed Umar A Kazi  
Director General, R&T Wing
- iv. Mr. Fazal A Nizamani  
Senior Chief (Water & Drainage)
- v. Mr. Khalid Waheed Khan  
Special Secretary (R&T / S&T)
- vi. Mr. Hassan Ali Din Mohammed  
Chief (F.Aid)
- vii. Mr. Din Mohd Talpur  
Chief (Development / Coord.)
- viii. Mr. Faizullah Khatri  
Assistant Chief (Water & Drainage)
- ix. Mr. Ghulam Murtaza Abro  
Assistant Chief (Water & Drainage)

**Finance Department**

- x. Ms. Abida Lodhi  
D.S (Dev.)

**Irrigation & Power Department**

- xi. Mr. Mazhar Ali Shah  
Additional Secretary, IPD
- xii. Mr. Zaheer Hyder Shah  
Director, M&E Cell
- xiii. Mr. Ghulam Mustafa Dahari  
Director Nara Canal AWB
- xiv. Mr. Zahid Hussain Junejo  
S.E, Western Sindh Circle
- xv. Mr. Ashfaque Ahmed Memon  
Rep. of P.D Lining
- xvi. Mr. Jahangir Sethna  
Consultant NESPAK