

**Specific Project Proposals for Constructing various Erosion protection works to Check land Erosion by River Ujh and River Ravi on its Right/ Left bank for the safety of village abadies, Agricultural land and other strategic Defense installations.**

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River Ujh originates from Jammu and Kashmir and has its outfall into River Ravi near village Makora about 40 Km down stream of Madhopur Headworks. The problem of flood damages during flood season in River Ravi has been reduced after the construction of Ranjit Sagar Dam, but not completely checked because River Ujh including its tributaries contribute about 2,50,000 cusec of discharge at its outfall point into River Ravi. As per Record 108740 cusec to 168000 cusec, discharge observed D/s of Ujh Barrage during the last 5 years.

2. River Ujh has four tributaries out of the four Two namely Shingarwa and Jallalia originates and have catchment in J&K ; whereas the other two namely River Tarnah and Khooni Nallah originates in Pakistan and most of the catchment area of these two falls in Pakistan. These four tributaries merges into River Ujh near village Paharipur about 55 kms D/s of Ujh Barrage and hence increases its discharge manifolds, as the Ujh Barrage controls the water of River Ujh, only of its upstream catchment and there is no other controlling arrangement on River Ujh and its tributaries. The only guage site is at village Tash in India, where 2,55,000 cusec discharge was observe during the flood of July 2005.

3. The Makora confluence point of River Ujh and Ravi is in close proximity of the Indo Pak. Border. Thus our defense installation and Infrastructure of BSF are entrapped in between River Ravi on left and River Ujh on Right side. The accumulative discharge of River Ujh and its tributaries causes heavy damages to the defense installations and BSF infrastructure every year. During the last 5 years an appreciable length of Border fencing has been washed away alongwith heavy chunks of culturable land measuring about 700 acres. The Army Halipad located along the international Border has also been washed away repeatedly. It is pertinent to mention here that the Pakistan Govt has started the work of raising and strengthening of Jallala Bandh in their territory, in full swing. It is being apprehended by the inhabitants of adjoining villages that the sheet of water will be abrupted during the coming floods due to the raised Jallala Bandh which will deflect the River course toward Indian side opp village Paharipur, which may devastate the Indian villages i.e. village Kajale, Makora, B.O.P. Tash, Mammi Chack Ranga, Chebbe, Toor Nikka Post, Lassian Post and Bharial village Paharipur, which may devastate the Indian villages i.e. village Paharipur, Makhanpur, Barmal, Samrala, Sarota, Barota, Danwal, Dostpur, Thakurpur, Salach, Adhain, Baupur, Alinangal, BOP Adhian Complex and Kamalpur Complex etc. Considering the damages to the defence installations, BSF infrastructure, loss of Agriculturable land and suffering of the population residing along River Ujh and Ravi, immediate steps are required to be taken in the form of constructing flood protection works at various vulnerable points.

4. Principal Secretary Irrigation Deptt. Punjab, Chandigarh visited River Ujh along with Deputy Commissioner Gurdaspur, Superintending Engineer, Amritsar Draining circle, SDM Pathankot and other field staff on 6-6-06 and directed to submit the project proposals of Emergent flood protection works through Deputy Commissioner Gurdaspur.

5. Lt. Col. N.K. Sarotra of 11 JAK Rifles Mamoon Cantt also visited Right side of River Ujh from Nikka Post to B.O.P. Tash alongwith other field staff on 16-6-06 who desired to take up the flood protection works of Right side of River Ujh at an earliest possible to save the Tash and Lassian enclaves, being engulfed into the floods, as these enclaves are very important for Indian defence point of view. Hence the necessity of these project proposals.

6. It is proposed to check land erosion at various vulnerable sites by providing flood protection work as per site conditions. Accordingly the project proposals for different sites have been prepared to cover the probable cost of the proposed works. Rates provided for boulder and other items are as per CSR + SP of 6/06 and Rates of MSA wire are as per lowest market Rate. As River Ujh is of sensitive behaviour and its strata changes after every freshet, therefore the scope of work can be increased or decreased during the execution of work.

7. This site is very important from Military & B.S.F. point of view. Army and B.S.F. authorities are pressing very hard for the protection of this site. Letter of **Brigadier R.K. Kaushal, VSM Commander and DY. COMDT M.K. Chand, 109 BN B.S.F.** is also attached. In which he has stated that in this connection with matter of strategic importance and National interest. The enclave is bounded by Ujh and Ravi Rivers from the East and South respectively and area within the enclave is low line and prone to floods during monsoon. Over a period of time due to change of course of both the Rivers, extensive soil erosion has taken place ipso – facto resulting in reduction of the enclave. This has grave implication on the national securities. The Project work is emergent nature and must be taken up on priority, so that the deterioration of land erosion may be checked in future before on set of monsoon 2007 positively.

The **project proposals amounting to Rs.1282.27 Lacs.** for the protection of erosion effected areas on Right/left banks of River Ujh and Ravi in phase manner are as under:

| <b>Sr. No.</b>         | <b>Name of works</b>  | <b>Name of block</b> | <b>Cost in Lacs.</b> |
|------------------------|---|----------------------|----------------------|
| <b><u>Phase I.</u></b> |   |                      |                      |
| 1.                     | Project proposal for providing low level revetment and slope pitching with launching apron opp. Village Paharipur to check land erosion for the Safety of Border fencing floods lights,C – Land Village abadies and B.O.P. Paharipur on L/s of River Ujh. | Bamial               | 147.12               |
| 2.                     | Project proposal for providing low level revetment and slope pitching with launching apron opp. B.O.P. Tash to check land erosion for the safety of border fencing, C – Land and B.O.P. Tash post on R/s of River Ujh.                                    | Narot Jamal Singh    | 156.82               |
| 3.                     | Project proposal for providing revetment / pitching length 350' in most vulnerable reach in Adhaian complex above D.B.N.on L/s of River Ravi.   | Dinanagar            | 62.61                |
| <b>Total =</b>         |   |                      | <b>366.55 Lacs.</b>  |
| <b><u>Phase II</u></b> |   |                      |                      |
| 4.                     | Project proposal for Constructing Series of Studs opp. Nikka Post to save Army Morchas and C – Land from further erosion on R/s of River Ravi.  | Dinanagar            | 142.32               |
| 5.                     | Project proposal for restoring stud D/s of Tash spur to check further land erosion for the safety of B.O.P. Tash and C – Land on R/s of River Ujh.  | Narot Jamal Singh    | 14.96                |

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|----|--|-----------|------------------------------|
| 6. | Project proposal for providing low level revetment and slope pitching with launching apron to check land erosion for the Safety of C – Land and Village abadies on L/s of River Ujh. | Bamial    | 48.51                        |
| 7. | Project estimate for checking erosion by providing 4 Nos. T – Studs in most valuable reaches in Kamalpur Jattan Complex on left side of River Ravi above Dera Baba Nanak             | Dinanagar | 79.12                        |
|    |  |           | <b>Total =384.91 Lacs.</b>   |
|    |  |           | <b>SubTotal=751.46 Lacs.</b> |

**Phase III**

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| 8.  | Project proposal for Replenishing spur No.4 and providing revetment and studs on L/s of River Ujh near village Samrala for the safety of C – Land and village abadies.                               | Bamial    | 25.19                                  |
| 9.  | Project proposal for checking erosion by providing stud and revetment to save C –Land and village abadies of village Sarota, Barota, Danwal and Dostpur on R/s of River Ujh.                         | Bamial    | 35.13                                  |
| 9.  | Project proposal for providing low level revetment and studs U/s of Thakurpur X – spur on L/s of River Ravi to check erosion of C – Land.  | Dinanagar | 148.11                                 |
| 10. | Project proposal for providing low level revetment and studs U/s of Salach spur to check erosion of C – Land and Border fencing on L/s of River Ravi.  | Dinanagar | 61.02                                  |
| 11. | Project proposal for restoring and U/s protection to stud D/s spur opp. Nikka Post to protect Army Morchas on Right Side of River Ravi.  | Dinanagar | 26.24                                  |
| 13. | Project proposal for providing protection to C – Land and village abadies of village Samrala on L/s of River ujh.  | Bamial    | 35.66                                  |
| 14. | Providing / Restoring 9 No. Ramps from R.D. 0 to 136890 F.P.E. above D.B.N. on left side of River Ravi   | Dinanagar | 26.24                                  |
| 15. | Project proposal for Restoring stud and revetment opp. village Makhanpur on L/s of River Ujh.  | Bamial    | 13.96                                  |
| 16. | Project proposal for Constructing Series of Studs (24 Nos.) and Extension of existing Revetment to save C – Land and village abadies of village Chack Ram Sahai, Vill. Makaura on L/s of River Ravi. | Dinanagar | 159.26                                 |
|     |  |           | <b>Total = <u>530.81 Lacs.</u></b>     |
|     |  |           | <b>G. Total = <u>1282.27 Lacs.</u></b> |

Deputy Commissioner  
Gurdaspur