

Ref. No.: PTU/DCD/2092

Dated: 15/12/15

Directors/Principals
All Engg. Colleges/Institutes
Affiliated to IKG PTU

Sub: Nominating final year students of **Civil Engineering branch** for training in Department of Water Supply and Sanitation.

Sir/ Madam

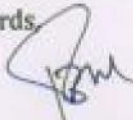
The Department of water Supply and Sanitation is implementing World Bank assisted Punjab rural Water and sanitation Sector improvement project with an estimated cost of Rs. 2200 crore.

The development objects of the project is to improve water sanitation service levels, reduce open defecation, and strengthen service delivery arrangements for the supply of safe water in 6241 villages in the state of Punjab. The project is a complete package and includes toilets, interaction with community, triggering of community to generate demand, community development, preparation of estimates, tendering of works and procedure for the checking of construction quality. (Detail of project attached)

The project duration will be one complete semester. Attractive stipend and TA will be given to the trainees based on their performance. As this project is very beneficial for the students & faculty, you are requested to kindly encourage maximum number of students to take part in this project.

In this regard you are requested to forward the name of minimum two faculty members and **atleast 20 willing students of civil engineering branch** of your institution through Email at placements.ptu@gmail.com by December 17, 2015 before 1700 hrs.

Regards,



Director (College Development)

CC:

M. S. Sharma
15/12/15

- 1 Sh. Ajoy Sharma, IAS, OSD to Hon'ble CM (For Information)
- 2 Hon'ble VC, IKG PTU (For Information)
- 3 Registrar, IKG PTU (For Information)
- 4 Dean Academics, IKG PTU (For Information)
- 5 Sh. S K Jain, SE, PBDWSS, (For Information)

Subject: World Bank assisted Punjab Rural Water and Sanitation Sector Improvement project: Regarding nominating final year students of Civil Engineering branch for training in Department of Water Supply and Sanitation.

The Department of Water Supply and Sanitation is implementing World Bank assisted Punjab Rural Water and Sanitation Sector Improvement project with an estimated cost of Rs. 2200 crore. The project was launched by Hon'ble Chief Minister Punjab on 17th June 2015. Closing date of the project is 31st March 2021.

The development objective of the project is to improve water and sanitation service levels, reduce open defecation, and strengthen service delivery arrangements for the supply of safe water in 6241 villages in Punjab. The project is a complete package and includes implementation of water supply and sanitation schemes, construction of individual household toilets, interaction with community, triggering of community to generate demand, community development, preparation of estimates, tendering of works and procedure for the checking of construction quality. The project has four components. The Component wise physical and financial targets to be achieved under the project are given below.

SI No	Particulars	Unit Rates - INR Lakhs	Physical targets	Financial targets
1A: Strengthening: Upgradation of service delivery				
i	Canal schemes (SV / MV)	164.31	135	234
ii	Tubewell schemes (SV / MV)	41.63	435	203
	Subtotal (1A)		570	437
1B: Sewerage Schemes with treatment systems				
i	Sewerage Schemes with treatment systems	150.00	315	555
	Subtotal (1B)		315	555
2A: Improved access to water through household connections				
i	Improved access to water through household connections (no. of households)	0.01500	650000	110
	Subtotal (2A)			110
2B: Operational Improvement for improved Water Supply Service levels				
i	Operational Improvement for improved Water Supply Service levels	11.00	400	45
	Subtotal (2B)		400	45
2C: Household Sanitation (toilet)				
i	Household Sanitation (toilet) (no of households)	0.06	625000	375
	Subtotal (2C)		625000	375
3A: Water Quality Monitoring				
i	Water Quality Monitoring and Mitigation		0	42
	Subtotal (3A)			42
3B: Safe and Treated Water for Water Quality Affected Villages				
i	Installation of Water treatment plants for retrofitting	18.00	150	29
ii	Safe and Treated Water for Water Quality Affected Villages	225.00	121	302
	Subtotal (3B)		271	331
COMPONENT 4: INSTITUTIONAL DEVELOPMENT AND PROJECT MANAGEMENT				
	4A: Institutional Costs			230
	4B: Project Management			74
	Subtotal (4)			305
	GRAND TOTAL			2,200

Department intends to provide training opportunities to civil engineering students for implementing sub component 2a, 2b and 2c of the project which pertains to providing Improved access to water through household connections along with laying of distribution system in the left over streets and making the village Open Defecation Free.

The objective of the subcomponent 2a is to promote delivery of minimum 10 hours of water supply through private household connections to 100% households, thereby reducing the need for women and children to carry water from public stand-posts or other sources. The component covers villages that have well-built water schemes which are relatively old and connections are limited to a few households, thus not effective in delivering services.

Component 2b pertains to operational improvement of relatively newer `water supply schemes. These component focus on building the capacity of the community to execute the work and after completion of work takeover the scheme for operations and maintenance and run it sustainably. Before taking up the execution of the work the following soft activities will be conducted.

Soft Activities	Soft Activities to be undertaken
First visit	Sensitization and awareness campaign for communities on
	· benefits of 10 hrs water supply & 24x7 metered water supply.
	· water quality issues
	· Women in decision making, gender mainstreaming and vulnerable community
	· Complaint Redressal System(SNK)
Second visit	· Formation of the GPWSC (if not already existing) or strengthening (if already existing) as standing committee of in the Gram Sabha meeting (SV) Formation/strengthening of multi village water and sanitation committee for MVS where applicable
	· Displaying List of GPWSC members along with their phone numbers through 2-3 wall writings at public places
Third visit	Capacitating GPWSC
	· Roles and responsibilities of GPWSC and others
	· Ensuring equity, inclusion (Gender, vulnerable groups), transparency & accountability
	· benefits of 10 hrs water supply & 24x7 metered water supply.
	· Financial
	· Sustainability
	· Water quality issues
	· Awareness about Complaint Redressal System(SNK)
Fourth visit	· Tripartite MOU (Agreement) (for SVS) signed among EE, GP and GPWSC
	· Opening of separate bank account by GPWSC
Fifth visit	· Display of details of scheme, contribution collected
Sixth visit	GPWSC O&M Management Trainings
	· Technical
	· Financial
	· Book keeping
	· Discussions with community members on O&M plan and budget
	· Conduct GP/ VWSC meeting to fix user fees in a participative manner. Inclusion and Equity with focus on vulnerable groups during O&M
	· Appoint operator and assistant to collect user fees
	· Ensure sufficient spares are available and
	· village resource persons are trained in O&M
Seventh visit	· Training of GPWSC members on O&M Activities related to components of water connections
	· Capacitating school children about cleanliness how to use water economically and hygiene education
	TOTAL

After the completion of soft activities procurement of works for the installation of water connections will be done by Gram Panchayat Water and Sanitation Committee (GPWSC) themselves mostly by adopting shopping procedure for the procurement of work as cost is not

likely to increase from Rs. 9 lac (the threshold limit for shopping procedure). In case cost exceeds Rs. 9 lac then the procurement of work for the installation of water connections (with or without water meters as per choice of community) and laying of small distribution lines, will follow National Competitive Bidding procedure (NCB). In addition, the GPWSC will also have an option to implement water supply distribution works by procuring material like cement, steel, and pipes separately and installing them either by awarding a labor contract or through the community. Component 2c pertains to the construction of house hold toilets to make the villages Open Defecation free. It mainly focuses on behavior change followed by construction of Individual household sanitary Latrine.

The project provides very good opportunity to the civil engineering students for practical learning of the civil engineering works. It has been decided that for implementing the above mentioned works under sub component 2a, 2b and 2c for the installation of water connections, operational improvements of existing schemes and construction of individual household latrines in about 10000 villages the trainee engineer would be attached with an Executive Engineer or Sub Divisional Engineer and they will assign the villages and nature of work to be done by the trainees under their guidance.

Accordingly, it is requested to send the first list of nominees for the training course for the current year 2015-16.

HOD DWSS

Best Regards, Ajoy Sharma Visiting Scholar, Goldman School of Public Policy University of California, Berkeley +1 (201)-885-9146