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**GOVERNMENT OF THE PUNJAB
LAW AND PARLIAMENTARY AFFAIRS DEPARTMENT.**

**NOTIFICATION
(93 of 2017)**

4 July 2017

The following Notification No. No.SOR(LG)38-3/2017, dated 30.06.2017 issued under section 144 of the Punjab Local Government Act 2013 (XVIII of 2013) for the Punjab Local Governments (Works) Rules 2017 is published for general information:

DR SYED ABUL HASSAN NAJMEE
Secretary
Government of the Punjab
Law and Parliamentary Affairs
Department

**GOVERNMENT OF THE PUNJAB
LOCAL GOVERNMENT AND COMMUNITY
DEVELOPMENT DEPARTMENT**

30th June, 2017

NOTIFICATION

No.SOR(LG)38-3/2017.- In exercise of the powers conferred under section 144 of the Punjab Local Government Act 2013 (*XVIII of 2013*) and after previous publication, Governor of the Punjab is pleased to make the following rules:

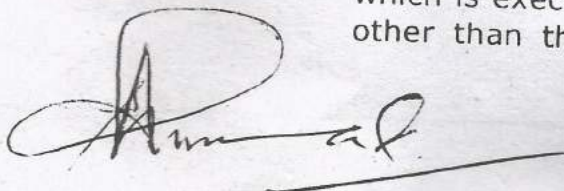
1. Short title, commencement and application.- (1) These rules may be cited as the Punjab Local Governments (Works) Rules 2017.

(2) They shall come into force at once.

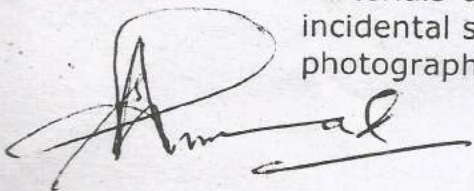
(3) They shall apply to the local governments, except the District Education Authorities, District Health Authorities and Union Councils established under the Punjab Local Government Act 2013.

2. Definitions.- (1) In these rules:

- (a) "Act" means the Punjab Local Government Act 2013 (*XVIII of 2013*);
- (b) "administrative approval" means the approval of the competent authority of the administrative feasibility of the work, financial sanction and permission to incur expenditure;
- (c) "agreement" means any kind of undertaking, express or implied, made by a local government and any other person for the purchase or supply of goods or materials, or for the acquisition, purchase or transfer by grant, gift, sale, mortgage, lease, exchange or otherwise, of any movable or immovable property or for the execution of any work or services;
- (d) "contract" means an agreement to be executed by the local government and successful bidder;
- (e) "contractor" means a person, firm, company, consultant or an organization which undertakes to supply goods or services or execute works and includes a consultant.
- (f) "deposit work" means any work, scheme or project which is executed or is to be executed by an agency other than the local government on behalf of any



- other local government or the Government or any other authority;
- (g) "Government" means Government of the Punjab;
 - (h) "House" means an elected body of the Metropolitan Corporation, a Municipal Corporation, a Municipal Committee or, as the case may be, a District Council;
 - (i) "Local Government Engineer" means a professionally qualified engineer appointed by the Local Government and Community Development Department of the Government or the Punjab Local Government Board;
 - (j) "local government" means a Municipal Committee, a Municipal Corporation, a District Council or the Metropolitan Corporation;
 - (k) "maintenance work" means any work undertaken to maintain an existing work;
 - (l) "major work" means a work, the estimated cost of which is more than rupees one hundred thousand;
 - (m) "minor work" means a work, the estimated cost of which is less than rupees one hundred thousand but more than rupees fifty thousand;
 - (n) "original work" means a new construction and includes material addition or alteration to an existing work;
 - (o) "petty work" means a work, the estimated cost of which does not exceed rupees fifty thousand or such other sum as the Government may specify;
 - (p) "PP rules" means the Punjab Procurement Rules 2014;
 - (q) "rules" means the Punjab Local Governments (Works) Rules 2017;
 - (r) "Schedule" means the Schedule appended to the rules;
 - (s) "technical sanction" means the technical sanction accorded after the scrutiny of detailed estimates from technical point of view; and
 - (t) "work" means a construction work, consisting of erection, assembly, repair, renovation or demolition of a building or structure or part thereof for site preparation, excavation, installation of equipment or materials and decoration and finishing and includes incidental services such as drilling, mapping, satellite photography, seismic investigations and similar



other activities, if the value of those services does not exceed the total value of the work.

(2) An expression used but not defined herein shall have the same meaning as is assigned to it in the Act, the Punjab Procurement Authority Act, 2009 or the PP rules.

3. Classification of works.- For purposes of the rules, a work may be classified as follows:

- (a) original work;
- (b) maintenance work;
- (c) deposit work;
- (d) major work;
- (e) minor work; and
- (f) petty work.

4. Schemes.- (1) The Local Government Engineer, while undertaking an original work, shall frame a scheme in accordance with law for the execution of such work.

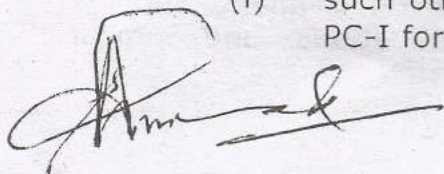
(2) The work costing less than rupees 1.5 million shall be prepared and approved on the basis of detailed cost estimates.

(3) The work costing rupees 1.5 million or above shall be prepared on the PC-I prescribed by the Government and approved in the manner prescribed for approval of PC-I.

(4) The local government may pay to an agency, in case a scheme is prepared by an agency, such fees for the preparation of the scheme as may be fixed by the Government through a general or special order.

(5) A draft scheme prepared under the rules, along with other matters, shall include:

- (a) a detailed description of the scheme including its nature and location;
- (b) full particulars of the work to be executed;
- (c) the justification for the scheme including the location of a similar scheme;
- (d) the estimated cost;
- (e) the manner in which the scheme shall be financed;
- (f) the agency through which the scheme shall be executed;
- (g) the benefits and returns from the scheme;
- (h) the agencies responsible for its maintenance; and
- (i) such other particulars as prescribed in the standard PC-I form issued by the Government.



(6) The execution of work shall be undertaken after the detailed estimates and the scheme is approved by the competent authorities.

5. Estimates and plans.- (1) The Local Government Engineer shall prepare rough cost estimates on BDD-4 or, as the case may be, on PC-I, before undertaking the work.

(2) For the preparation of rough cost estimates, the engineering staff shall inspect the site and work out the feasibility of the work through images or photographs of the site.

(3) The rough cost estimates, detailed estimates and PC-I shall be approved by the authority competent to do so.

(4) The standardized items in cost estimates, detailed estimates and PC-I shall be prepared on the basis of the rates mentioned in Market Rate System notified by the Government.

(5) An estimate on the basis of which a work is to be undertaken shall be subject to:

- (a) the availability of funds for the work;
- (b) administrative approval; and
- (c) technical sanction by the competent authority in the prescribed manner.

(6) A local government, in case of emergency declared by the competent authority, may adopt an alternative mode of direct contracting or negotiated tendering, as the case may be, in accordance with the provisions of the PP rules.

(7) The Development Committee of the local government shall exercise the powers of according administrative approval of the work, if it has been approved by the House and is reflected in the Annual Development Programme.

(8) The powers of the Development Committee are as under:

Sr. No	Local Government	Local Government Development Committees		Limit to accord Administrative Approval
1.	Municipal Committee	Chairman	Convener	Up to rupees ten million
		Chief Officer	Member	
		Municipal Officer (Finance)	Member	
		Municipal Officer infrastructure	Member/Secretary	
2.	(i) District Council and Municipal Corporation	Chairman / Mayor	Convener	Up to rupees twenty million
		Chief Officer	Member	
		District Officer Finance / Municipal	Member	

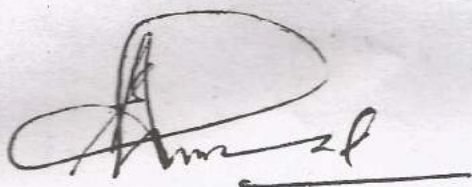
		Officer Finance		
		District Officer infrastructure /Municipal Officer infrastructure	Member/ Secretary	
	(ii) District Council and Municipal Corporation	Chief officer	Convener	Up to rupees three million
		Municipal Officer Finance	Member	
		District Officer infrastructure /Municipal Officer infrastructure	Member/Secretary	
3.	(i) Metropolitan Corporation	Mayor	Convener	Up to rupees fifty million
		Chief Officer	Member	
		Metropolitan Officer (Finance)	Member	
		Metropolitan Officer (infrastructure)	Member/Secretary	
	(ii) Municipal Corporation	Chief Officer	Convener	Up to rupees five million
		Metropolitan Officer (Finance)	Member	
		Metropolitan Officer (infrastructure)	Member/Secretary	

(9) The work estimates beyond the abovementioned limits shall be submitted to the District Development Committee, Divisional Development Committee or Departmental Development sub-Committee or Provincial Development Working Party, as the case may be, as notified by the Government, for administrative approval.

(10) Unless otherwise provided, the Local Government Engineer shall have the same powers of technical sanction, approval of rates of non-standardized items and all other powers not specified in the rules as are conferred on the engineers of the corresponding ranks in the Communications and Works Department, Public Health Engineering Department or Housing and Physical Planning Department under the Punjab Delegation of Financial Powers Rules 2016.

(11) An Engineer in BS-17 working as an independent engineer in-charge in a local government shall have the powers to accord the technical sanction up to rupees one million.

(12) The technical sanction of the detailed estimates exceeding the limit of the powers of the Engineer of a local government shall be accorded in the manner as under:



Sr. No	Local Government Engineer seeking technical sanction beyond his powers	Local Government Engineer by whom technical sanction is accorded
1.	Engineer in BS-17	Engineer in BS-18 in the respective District or Division.
2.	Engineer in BS-17 and BS-18	Engineer in BS-19 in the respective District or Division or the Chief Engineer (HQ), PLGB.
3.	Engineer in BS-17, BS-18 and BS-19	Engineer in BS-20 in the respective Division or the Chief Engineer (HQ), PLGB.

(13) An estimate for maintenance work shall lapse on the expiry of the relevant financial year.

(14) The administrative approval for a fresh work shall hold good for a period of two years.

(15) During the execution of a work, the cost of the work shall not be allowed to exceed 10% of the approved cost on account of change in design, scope or rates.

(16) If the cost of work exceeds the limit mentioned in sub-rule (15), new detailed cost estimates or PC-I of the scheme shall be formulated and revised administrative approval shall be obtained.

(17) In case the site of the work or nomenclature is changed, fresh administrative approval shall be obtained from the respective Development Committee.

6. Annual Development Plan.- (1) The local government shall prepare and approve its Annual Development Plan (ADP) as per procedure laid down in the Punjab Local Governments (Budget) Rules 2017.

(2) The Annual Development Plan, in addition to the other matters, shall specify:

- (a) the particulars specified for various works;
- (b) the order in which they shall be undertaken;
- (c) the probable dates of the commencement and completion;
- (d) an explanation whether the works shall be executed by the department or through a contractor or agency; and
- (e) such other information as may be specified by the local government.

(3) The Annual Development Plan shall be placed before the House for budget allocation in its ordinary meeting for consideration and approval, with or without modification.

(4) The Annual Development Plan sanctioned or modified shall be published in such manner as the Chairman or Mayor of the local government deems fit.

(5) After the sanction of the Annual Development Plan, the Local Government Engineer shall, subject to the general direction of the Chairman or Mayor of the concerned local government, proceed to take such steps as are necessary for the execution of the work in accordance with the Annual Development Plan.

(6) The Local Government Engineer shall submit to the Chairman or Mayor of the concerned local government on the seventh day of every month, the progress report of the Annual Development Plan for the preceding month.

(7) The Chairman or Mayor of the local government shall submit to the local government, at least once in three months, the progress report on the implementation of the Annual Development Plan.

(8) No original work, included in the Annual Development Plan, shall be executed unless the administrative approval and technical sanction have been accorded by the competent authorities.

7. Agencies for the execution of works.- (1) A work shall be executed in the manner specified and approved in PC-I or in the approved cost estimates.

(2) In case a work is executed or is to be executed by an agency other than the local government as deposit work, the local government shall pay to such agency such departmental charges for the execution of works as may be fixed by the Government.

(3) In case a work is executed by the local government on behalf of the Government or another local government or body, the Government or the concerned local government or, as the case may be, the concerned body shall pay to the local government such departmental charges for the execution of works as may be fixed by the Government.

(4) In case a work is to be executed by an agency as deposit work, the concerned Chairman or Mayor of the local government and the Local Government Engineer shall monitor the progress of the work at various stages, and such agency shall forward progress report to the Chairman or Mayor of the local government.

(5) In case a work is to be executed by a local government, it shall be executed through a contract, except in cases of petty works.

8. Enlistment of contractors.- (1) The contractors registered with Pakistan Engineering Council or any person possessing such qualification and experience as may be specified by the Government,

may apply to the concerned local government for enlistment as a contractor.

(2) The person applying for enlistment as local government contractor shall fulfill the criteria laid down for the enlistment of the contractors by the Planning and Development Department of the Government.

(3) The contractor enlisted with any local government in the Division may participate in the bidding process initiated by any other local government in the Division without further enlistment.

(4) The categories of contractors according to the cost of the project for the enlistment and its renewal, subject to the performance evaluation of contractor for quality work and timeframe, shall be in accordance with Schedule-I

(5) The rates, from time to time, notified by Communication and Work Department of the Government shall be applicable for the enlistment or the renewal of enlistment of the contractors under the rules.

(5) The enlistment fee or renewal fee shall be non-refundable.

(6) The contractors of category C-A, C-B, C-1, C-2, C-3, C-4, C-5 or B, C-6 or C and D may tender for works in all local government departments according to the field of specialization.

(7) Subject to the PP rules, the local government, prior to inviting tenders, may engage for pre-qualification of contractors to ensure that only technically and financially capable firms having adequate professional and managerial capability are invited to submit bids for a project which costs rupees thirty million or above.

9. Tendering, work order and contract.- (1) When any work is to be executed by engaging daily labour, a muster roll shall be maintained for such work in such form and manner as prescribed by the Building and Road Works Code of the Government.

(2) After the administrative approval and technical sanction for the work is accorded, bids shall be invited with the prior approval of the Mayor or Chairman by the Chief Officer or any officer duly authorized by the Chairman or Mayor.

(3) The tendering process and procurement shall be in accordance with PP rules.

(4) The tender or bidding documents may be obtained from the concerned local government on payment of the prescribed fee.

(5) The bids shall be opened at the time and place specified in the public notice in the presence of the bidders or their representatives who care to be present, by the following Committee:

Sr No.	Composition	Designation
1	Chief Officer	Convener
2	Representative of the Deputy Commissioner concerned	Member
3	Assistant Engineer, concerned Local Government	Member
4	District Officer/Municipal Officer (Finance)	Member
5	District Officer/Municipal Officer (Infrastructure)	Member/Secretary

(6) The members of the committee shall affix their initials and date on every bid so opened and also on the comparative statement.

(7) The rates quoted by the contractor shall be written both in figures and words.

(8) The absence of one of the members of the committee shall not vitiate the proceeding the committee.

(9) The work order shall be issued by the engineer incharge to a person offering the lowest bid after approval of the Chairman or Mayor or the engineer incharge authorized by him, subject to the conditions that:

- the normal procedure for the invitation of bids under PP rules has been adopted;
- the rates quoted are such that total cost of the project does not exceed the amount of the technical sanction by more than 4.5 per cent;
- the lowest bid is accepted; and
- in case the rates of the lowest bid are equal to or less than 5% of the estimated cost, the lowest bidder shall be bound to deposit additional performance security from a scheduled bank from 5% to 10% (including CDR deposited at the time of tendering) within 15 days of issuance of notice as under:

Total tendered amount below corresponding estimated cost	Additional performance security
5%	5%
6%	6%
7%	7%
8%	8%
9%	9%
10% and below	10%

(10) The additional performance security shall be refunded after issuance of the completion certificate by the incharge of the engineering branch.

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(11) The work order issued under sub-rule 9 shall contain the description of work, the amount of the agreement along with the rates and the time within which it is to be executed.

(12) Prior to issuance of the work order, the Engineer Incharge shall ensure that the funds are available.

(13) The Engineer Incharge and his subordinates shall be responsible for strict implementation of the terms of the contract and shall adhere to the roles and responsibilities defined for the execution of development work in Building and Road Departments Works Code.

(14) All the contract deeds shall be executed on standard contract form.

(15) The contract between the local government and the contractor shall be executed by the Mayor or Chairman or an officer authorized by him, on the stamp paper of the requisite value.

10. Unauthorized execution of work.- No work shall be executed unless it is in conformity with the provisions of the rules and PP rules.

(2) All contracts shall be recorded in a register to be maintained by an official of not less than BS-11 duly authorized by the incharge of the engineering branch.

(3) All contracts and related documents shall be kept in the custody of the Incharge of the concerned branch of the local government or an official of not less than BS-14 duly authorized by the Mayor or Chairman for the purpose.

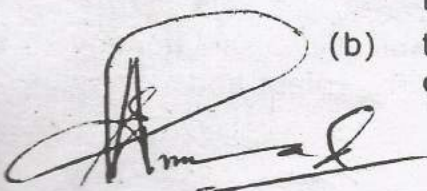
11. Enforcement of contracts.- (1) The Mayor or Chairman shall take such steps as may be necessary to enforce the performance of the contract in accordance with the terms and conditions thereof and in the best interest of the local government.

(2) In case the contractor fails to comply with the terms and conditions of the contract, the Engineer Incharge shall take such action as may be necessary including invoking the penal provisions of the contract to safeguard the interest of the local government.

(3) On completion of the contract, the Engineer Incharge shall record a certificate to that effect.

12. Workplace safety.- (1) The contractor shall take all necessary precautionary measures to pre-empt that:

- (a) any hazard at the place of work, during the execution of work, does not cause any threat to loss of life;
- (b) the work does not cause any loss to the property of any other person;



- (c) before commencing the work, all the safety equipment are in place and safety measures have been taken as necessarily required at the place of work;
- (d) all necessary safety requirements are strictly adhered to during the execution of the work; and
- (e) protective and safety equipment for workers, as specified by the Local Government Engineer, is functional.

(2) The Workmen's Compensation Act, 1923 (*VIII of 1923*) shall be applicable to the contracts for the purpose specified in that Act.

13. Operation and maintenance.- The Local Government Engineer shall ensure that:

- (a) all the safety measures, during the operation and maintenance of an existing infrastructure, according to the nature of work, have been adopted to secure life and property; and
- (b) all precautionary measures and use of sewer safety equipment specified in Schedule-II have been taken in respect of:
 - (i) sanitation functions; or
 - (ii) cleanliness of sewer, manholes and descending sanitary workers in the sewer manholes.

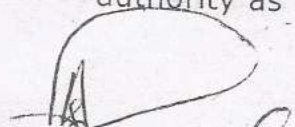
14. Terms and conditions of contract.- The conditions given in rules 12 and 13 shall be deemed to be part of every contract under the rules.

15. Disciplinary action.- The local government may, in case of failure of compliance with rules 12 and 13 and if such failure causes the death of a person, may initiate proceedings, subject to the preliminary inquiry within fifteen days, against the delinquent Local Government Engineer or take action against the contractor as per contract and in accordance with law.

16. Execution and Inspection Of Works.- (1) The local government engineer and his subordinates shall be responsible for ensuring that:

- (a) the work is executed in the best interest of the local government;
- (b) the work is executed in accordance with the specifications in the technically sanctioned estimates, and the provisions of the rules; and



- (c) the terms of the contract are strictly enforced, and nothing is done to nullify or vitiate the contract;
- (2) The authority competent to accord technical sanction may, from time to time, inspect the project and convey its observations for rectification to the Engineer Incharge and to the Mayor or Chairman.
- (3) The Local Government Development Committee shall inspect and if it deems necessary, may raise the requisite objections for the rectification of work by the Engineer Incharge.
- (4) If due to any unavoidable circumstances, the work could not be completed within the period specified in the contract, an extension of such period may be allowed as per contract conditions by:
- (a) the local government engineer, if the period of extension is not likely to exceed two months;
 - (b) the Chief Officer, if the period of extension is not likely to exceed three months;
 - (c) the Mayor or Chairman, if the period of extension is not likely to exceed six months; and
 - (d) the House if the period of extension is likely to exceed six months.
- (5) In the execution of the work, all possible care shall be taken to ensure that:
- (a) the safety and convenience of the public are duly attended to;
 - (b) the operations are carried out in a manner that they cause minimum interference with the traffic and ordinary pursuits of the people; and
 - (c) particular attention is paid towards adequate lighting at night of all obstructions to public roads and streets by the contractor or the executing agency, as the case may be.
- (6) The Local Government Engineer or the person in-charge of the work shall report the case to the Mayor or Chairman, if there is:
- (a) any interruption in the execution of the work;
 - (b) any unusual loss in materials;
 - (c) any damage to property; or
 - (d) any accident during the execution of any work.
- (7) The Mayor or Chairman shall take such action as he may deem necessary, under intimation to the House and to such other authority as may be specified by the Government.
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(8) An administration diary of progress shall be maintained for every work in such form and manner as is prescribed by the Communication and Works Department.

17. Completion of works.- (1) All measurements shall be recorded in a measurement book in the form prescribed in Departmental Financial Rules Volume-III.

(2) All the measurements recorded shall be checked by the engineering staff in the manner prescribed in the Building and Road Departments Works Code and the practices of the Communication and Works Department.

(3) If a contractor is found guilty of any breach of any term of a contract, the penal provisions shall be enforced against him after approval of the Mayor or Chairman.

(4) Where, on inspection and measurement, the work is found to be in order, a completion certificate and a completion report shall be prepared on the Form in use in the Communication and Works Department and prescribed in the Building and Road Departments Works Code.

(5) For every completed original work, a completion plan shall be prepared with correct representation of the work as actually executed.

(6) On the seventh day of every month, a statement shall be forwarded by the local government engineer to the Mayor or Chairman showing the details of the progress of the works during the preceding month.

(7) After allotment of the work to the contractor, all documents, estimates running and final record entries of each bill of payment connected with that work shall be duly recorded in the works register by the Draftsman or by an official of not less than BS-14 duly authorized by the incharge of the Engineering Branch under the supervision of Local Government Engineer.

18. Accounts for works.- (1) The bills of work for payment shall be prepared in the Form prescribed in the Punjab Local Governments (Accounts) Rules 2017.

(2) In case a work is executed by a daily labourer, a muster roll along with an abstract of work executed as a piece work or a contract work and the measurement book shall form the basis of the account.

(3) Any payment either for the work done or procurement made for more than rupees fifty thousand shall be entered in the measurement book.

(4) The final payment shall be made when the work has been completed but running payments may be made during the course of

the execution of the work in accordance with the principles prescribed in the Building and Road Departments Works Code.

(5) The concerned local government engineer shall submit the bill of the work done to the Head of Finance Branch of the local government who shall check all the documents and may raise objections or seek information, if necessary.

(6) The Head of Finance Branch of the local government, on his satisfaction, shall submit, through Chief Officer, the bills for sanction by the Mayor or Chairman.

(7) After sanction of the bills by the competent authority, the Audit Branch shall pre-audit and payment shall be made in the prescribed manner.

(8) The payment to a contractor shall be made by crossed cheque and as far as possible within fifteen days of the submission of the bill.

(9) If for any reason the payment is not made within the period of thirty days, the reasons for such non-payment shall be reported to the Mayor or Chairman.

(10) The security, if any, deposited by the contractor, shall be retained for six months after the completion of the work and shall then be returned to the contractor, unless in the meantime the work has been found to be defective or not up to the specifications and the contractor has not remedied such defects or does not comply with the specifications in which case such sum shall be deducted and retained until such defects are remedied.

(11) In the case of supply of movable good or materials, the security shall be retained for three months subject to the conditions mentioned above.

(12) No advance payment to a contractor shall be made by a local government.

19. Miscellaneous. - (1) If any matter is not covered under the rules, the Punjab Government Works rules under the Building and Roads Department Works Code for Public Works Departments and PP rules shall *mutatis mutandis* apply.

(2) In case of any conflict between these rules and the PP rules, the provisions of PP rules shall prevail to that extent of the conflict.

(3) The contract for the repair or maintenance of road, sewerage, water supply system shall be made in accordance with the PP rules.

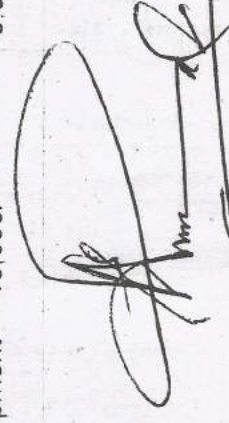
(4) The quality control field test shall be mandatory for each development work costing more than rupees ten million.

20. **Repeal.**- The Punjab Tehsil/Town Municipal Administration (Works) Rules, 2003 is hereby repealed.

**SECRETARY
GOVERNMENT OF THE PUNJAB
LOCAL GOVERNMENT AND COMMUNITY
DEVELOPMENT DEPARTMENT**

Schedule-I
[rule 8(4)]

Sr.#	Category of Contractor	Project Code	Recommended by	Authority	Enlistment Fee (In Rs)	Renewal Fee (In Rs)
i.	C-A	No limit	Local Government Development Committee	Secretary LG&CD Through Chief Engineer (HQ) PLGB	110,000/-	60,000/-
ii.	C-B	Upto Rs.2000 Million	Local Government Development Committee	Secretary LG&CD Through Chief Engineer (HQ) PLGB	1,00,000/-	55,000/-
iii.	C-1	Upto Rs.1000 Million	Local Government Development Committee	Secretary LG&CD Through Chief Engineer (HQ) PLGB	90,000/-	50,000/-
iv.	C-2	Upto Rs.500 Million	Local Government Development Committee	Additional Secretary (Dev) Through Chief Engineer (HQ) PLGB	80,000/-	45,000/-
v.	C-3	Upto Rs.250 Million	Local Government Development Committee	Additional Secretary (Dev) Through Chief Engineer (HQ) PLGB	70,000/-	40,000/-
vi.	C-4	Upto Rs. 100 Million	Local Government Development Committee	Chief Engineer (HQ) PLGB	60,000/-	35,000/-
vii.	C-5 or B	Upto Rs. 30 Million	Local Government Development Committee	Chief Engineer (HQ) PLGB	50,000/-	30,000/-
viii.	C-6 or C	Upto Rs. 15 Million	Local Government Development Committee	Mayor/Chairman	25,000/-	16,000/-
ix.	D	Upto Rs 2 Million	Local Government Development Committee	Chief Officer	15,000/-	8,000/-
x.	E	Upto 1.0 Million	Local Government Development Committee	Local Government Development Committee	10,000/-	6,000/-



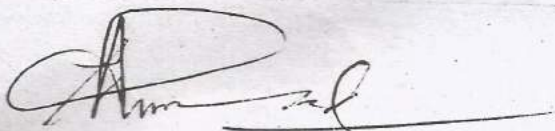
Schedule-II

[See clause (b) of rule 13]

SPECIFICATIONS OF SEWER SAFETY EQUIPMENT

S #	Item	Specification/Description
1	Fresh air line system	Fresh compressed air line system at 300 bars (Compressed air cylinders to be filled by air compressor)
	(a) Compressed air line system along with	(a) <u>Quality</u> USA/Europe/Japan origin or approved equivalent, and (b) <u>Comprising of</u> (i) Full face mask. (ii) Breathing hose to be coupled with two air cylinders. (iii) Feeding hose not less than 15m without joint as standards length and wound on a reel with pressure demand valve. (iv) Two compressed air cylinders (6 liters each with minimum 300 bars pressure mounted on 2-wheeled trolley). (v) Waist belt (vi) Pressure reducer (vii) Audible warning device. (viii) Case of personal outfits. (ix) One extra length (minimum 15m) of the feeding hose
	(b) Single Phase Portable Air Compressor (including safety base to fill air cylinders at minimum pressure of 300 bars)	(a) <u>Quality</u> USA/Europe/Japan origin or approved equivalent, and (b) <u>Comprise of:</u> (i) Electrically operated 220-230 volts, 50-60 cycles and single phase motor; (ii) Compressor equipped with all starting and protection devices for safe guard against low voltage and overloading current; (iii) Automatic shut off device/ facility; (iv) Charging medium: Air; (v) Safe working pressure: 300 bars; (vi) Compressor will be supplied with one major overhauling kit & set of keys I spanners.
2	Multi Body Rescue Harness	(i) Dorsal anchorage point. (ii) One dorsal attachment D-Ring. (iii) One sternal attachment D-Ring. (iv) Ventral suspension D-Ring. (v) Two work positioning D-Ring. (vi) Padded thigh and shoulder straps. (vii) Padded ergonomic back panel. (viii) Adjustment: thigh and shoulder straps. (ix) Accessory rings. (x) Maximum Load weight: 1,950 kg.
3	Safety Belt	Fully adjustable rear leg risers and chest harness adjusts to fit (25" to 55" waists) with side and back D ring Breaking Strength minimum 22 KN with Rugged, Fire and all weather, resistant. Load capacity (minimum 150 Kg).
4	Figure of Eight and D-Ring	(i) <u>Figure of 8 (Aluminum alloy)</u> • Breaking strength is not less than 35 KN. (ii) <u>Carabineer (D Shape) (Aluminum alloy)</u> • Breaking strength is not less than 35 KN.
5	Rescue Life line Static Rope	Minimum 50 meter long, Diameter minimum 9 mm, breaking strength

S #	Item	Specification/Description
6	Double Pulley	minimum 7,000 lbs MBS: 36KN
7	Portable Multiple Gas Detector	(i) USA/ Europe/ Japan origin or approved equivalent (ii) Must be detected (CH4, CO, O2, H2S) (iii) Power supply: Lithium battery (iv) Water proof. (v) Alarm with LED buzzer & vibration
8	Tripod (Corrosion-resistant finish)	(i) Minimum 02 anchorage point. (ii) Maximum height: 10 feet. (iii) Non slip bed plates. (iv) Load capacity (minimum): 250kg. (v) 03 load locking pins in each pole of the Tripod. (vi) Material: Heavy duty aluminum alloy tripod. (vii) Chain/webbing set to secure the bottom legs of the tripod.
	Tripod Hand Winch (Corrosion-resistant finish)	(i) Heavy duty aluminum alloy body with handle. (ii) Load lifting capacity (minimum): 250kg (iii) Length of galvanized or stainless steel wire not less than 6 mm thick = 100 feet (iv) Attach to tripod with locking safety pins (v) One man set up. (vi) Manual safety lock.
9	SMD Head Lamp	(i) Easy to install at safety helmet (ii) Rechargeable battery. (iii) Water proof.
10	Air Blower & Exhaust (with Air Duct) (Portable)	(i) Electrically operated single phase (ii) Power: heavy duty minimum 01 hp motor, standard 220-230 volts 50 cycles. (iii) Equipped with rubber feet (iv) Minimum air displacement in the assembly = 1100 m ³ hour
11	SMD Flood Light with Stand	(i) Type: SMD LED Floodlight. (ii) Light source: SMD LED / COB LED (Bridgelux, Epistar Cree/Osram/Philips LEDs) warm light. (iii) Capacity: 50 watts. (iv) Material: AL + tempered glass. (v) Input voltage: 190-265 VAC 50 hertz (vi) Equipped with highly stable ground stand having 120° swivel
12	Portable Generator	(i) Alternator = Single phase 220-230 volts 50 Hertz (ii) Capacity = 3 - KVAC. (iii) Engine = Imported 4-stroke air cooled hand start petrol engine directly coupled with alternator (iv) Power take off = Two Nos three pin and one No two pin outlet ports (v) Instrumentation = Ammeter, voltmeter, power indication light, overload relay or circuit breaker.
13	Dry Suit with logo	
	(a) Area of operation	A dry suit is required for underwater search of a drowned victim in muddy, sewer water or sludge.
	(b) Type	Dry suit made up of cut/abrasion water proof and chemical resistant material. Front or rear entry zipper with protective flaps. Inflator and relief valves in the suit. extra padding on elbows and knees.
	(c) Material	Tri-laminated one piece suit with latex seals on wrists and collar. Compressed rubber boots.
	(d) Accessories	Water proof detachable neoprene hood, separate abrasion resistant gloves. Inflator Hose and Repair kit.
	(e) Color	Orange/yellow fluorescent color.
14	Safety Shoes	



S #	Item	Specification/Description
	(a) Sole	Black direct injection sole made of Rubber PVC combination which should be Acid. Heat & Oil resistant. Anti-slippery and anti-static.
	(b) Insole	Anti-Static Taxon 1.75mm (imported)+Steel plate to resist nail penetration.
	(c) Collar	Inner synthetic collar with foam padding (Foam Sheet High Density)
	(d) Back Counter	GAMA Counter Sheet (Min 1.2mm thick)
	(e) Eyelets	Aluminum Black.
	(f) Laces	Plain Black Nylon Flat 36-Inches.
	(g) Shank	Steel, thickness 0.9mm
	(h) Heel	Chip Board of maximum 20mm thickness
	(i) Shoe Height	Minimum 12cm from inside without in sock
15	Safety Helmet	Outer shell made of high strength and impact proof material. Inner lining to be breathable with individual heard adjustment and chinstrap.
16	Mobile Unit for Sewer Cleaning	800 CC Carrier vehicle

