

Description : CONTRACT - 22A(b)  
 First Party : PMU Primary and Secondary Health [10000-0000000-0]  
 Second Party : Agfa Pakistan Pvt Ltd [10000-0000000-0]  
 Agent : Syed Hassan Ali [35201-6734203-5]  
 Stamp Duty Paid by : Agfa Pakistan Pvt Ltd [10000-0000000-0]  
 Issue Date : 19-Dec-2023, 09:32:50 AM  
 Paid Through Challan : 2023DDE372F8C581  
 Amount in Words : Thirty Thousand Rupees Only

Please Write Below This Line



## Primary & Secondary Healthcare Department

**CONTRACT FOR THE PROCUREMENT OF SERVICE LEVEL  
 AGREEMENT FOR COMPUTERIZED RADIOGRAPHY UNITS  
 INCLUDING ALL ACCESSORIES**

**BETWEEN**

**PROJECT MANAGEMENT UNIT, PRIMARY & SECONDARY  
 HEALTHCARE DEPARTMENT**

**AND**

**M/S AGFA HEALTHCARE PAKISTAN**



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# CONTRACT AGREEMENT

**E-STAMP**  
CONTINUATION SHEET

THIS CONTRACT is made at Lahore on 19<sup>th</sup> December, 2023, between the **Project Management Unit, Primary & Secondary Healthcare Department (31 E/I, Gulberg-III, Lahore)** (hereinafter referred to as the "Procuring Agency") of the First Part; and **M/S AGFA HEALTHCARE PAKISTAN** a firm having its registered office at House No. 600-A, Peoples Colony No. 1, Faisalabad Pakistan (hereinafter called the "Service Provider") of the Second Part (hereinafter referred to individually as "Party" and collectively as the "Parties").

**WHEREAS** the Purchaser on behalf of its Procuring Agency invited bids for procurement of services, in pursuance where of **M/S AGFA HEALTHCARE PAKISTAN** being the Manufacturer/ authorized Supplier/ authorized Agent of **COMPUTER RADIOGRAPHY UNITS INCLUDING ALL ACCESSORIES MAKE: AGFA MODEL: CR 30XM(DIGITIZER)** in Pakistan and ancillary services offered to supply the required Services; and Whereas the Procuring Agency has accepted the bid by the Supplier for the service level agreement of **COMPUTER RADIOGRAPHY UNITS INCLUDING ALL ACCESSORIES** and services as per details mentioned in the table below.

NO	ITEM	APPROVED UNIT PRICE (INC. TAXES)	TOTAL QUANTITY	SLA COST FOR ONE (1) YEAR (INC. TAXES)	NO. OF YEARS	TOTAL SLA COST FOR THREE (3) YEARS (INC. TAXES)	AMOUNT OF PERFORMANCE SECURITY	STAMP DUTY
1	COMPUTER RADIOGRAPHY UNITS INCLUDING ALL ACCESSORIES Brand: Agfa Model: CR 30XM(Digitizer) Service Level Agreement Validity: 03 years		27		03			

Note: This SLA is only valid for equipment centrally procured in 2016-17 & 2017-18 P&SHD.

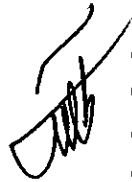
**NOW THIS CONTRACT WITNESSETH AS FOLLOWS:**

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to as "Contract":
2. The following documents shall be deemed to form and be read and construed as integral part of this Contract, viz: -
  - a. the Bid Form and the Price Schedule submitted by the Bidder
  - b. the Technical Specifications, details of equipment & allied requirements
  - c. the General Conditions of Contract
  - d. the Special Conditions of Contract
  - e. the Scope of Services
  - f. the Procuring Agency's Notification of Award
  - g. the Complete Bid Document
  - h. any other documents related to this Service Level Agreement
3. In consideration of the payments to be made by the Procuring Agency to the Supplier/ Manufacturer as hereinafter mentioned, the Service Provider/ Manufacturer hereby covenants with the Procuring Agency to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.



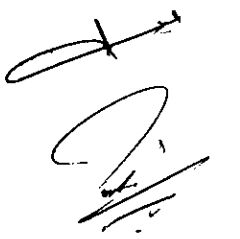
4. The Procuring Agency hereby covenants to pay the Service Provider in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the time and in the manner prescribed by this Contract.
5. Service Provider hereby declares that it has not obtained or induced the procurement of any Contract, right, interest, privilege or other obligation or benefit from Government of the Punjab or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of the Punjab) through any corrupt business practice.
6. Without limiting the generality of the foregoing, Service Provider represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or including the procurement of a Contract, right interest, privilege or other obligation or benefit in whatsoever form from Government of the Punjab, except that which has been expressly declared pursuant hereto.
7. Service Provider certifies that has made and shall make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Government of the Punjab and has not taken any action or shall not take any action to circumvent the above declaration, representation or warranty.
8. Service Provider accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any Contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to Government of the Punjab under any law, Contract or other instrument, be void able at the option of Government of the Punjab.
9. Notwithstanding any rights and remedies exercised by Government of the Punjab in this regard, Service Provider agrees to indemnify Government of the Punjab for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Government of the Punjab in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by Service Provider as aforesaid for the purpose of obtaining or inducing the procurement of any Contract, right, interest, privilege or other obligation or benefit in whatsoever form from Government of the Punjab.

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- 10. In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration Secretary Primary & Secondary Health Care Department or his nominee shall act as arbitrator. The decisions taken and/or award made by the Arbitrator shall be final and binding on the Parties.
- 11. The Contract shall not constitute a partnership between the parties and that the Service Provider shall not in any manner represent itself as agent or authorized representative of the Procuring Agency of the Government of the Punjab etc. or be considered as such included.
- 12. This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.


IN WITNESS Whereof the Parties hereto have caused this Contract to be executed at (the place) and shall enter into force on the day, month and year first above mentioned.

**Sign/ Seal by the Supplying Firm**


  
\_\_\_\_\_  
For & On Behalf of  
Service Provider 

  
\_\_\_\_\_  
Authorized Signatory 1


  
\_\_\_\_\_  
Authorized Signatory 2

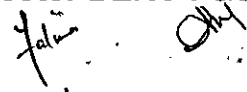

  
\_\_\_\_\_  
Authorized Signatory 3

**Sign/ Seal by the Procuring Agency**

  
\_\_\_\_\_  
Secretary  
Primary & Secondary  
Healthcare Department

  
\_\_\_\_\_  
Project Director  
PMU-P&SHD

  
\_\_\_\_\_  
Director BERC-P&SHD

  
  
\_\_\_\_\_  
Procurement Specialist  
PMU-P&SHD

## Section-II. General Conditions of Contract

### 1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Procuring Agency and the Service Provider, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) "The Contract Price" means the price payable to the Service Provider under the Contract for the full and proper performance of its contractual obligations.
- (c) "The Goods" means all of the equipment, machinery, and/or other materials which the Service Provider is required to supply to the Procuring Agency under the Contract.
- (d) "The Services" means those services and other such obligations of the Service Provider covered under the Contract.
- (e) "GCC" means the General Conditions of Contract contained in this section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Procuring Agency" means the organization purchasing the Services, as named in SCC.
- (h) "The Procuring Agency's country" is the country named in SCC.
- (i) "The Service Provider" means the Bidder or firm supplying the Services under this Contract.
- (j) "The Project Site," where applicable, means the place or places named in SCC.
- (k) "Day" means calendar day.
- (l) "End User" means health facility.



**2. Application**

2.1. These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

**3. Country of Origin**

3.1. All Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules, as further elaborated in the SCC.

3.2. The origin of Services is distinct from the nationality of the Service Provider. In any case, the requirements of rules 10 & 26, PPR-14, shall be followed.

**4. Standards**

4.1. The services supplied under this Contract shall conform to the standards mentioned in the Technical Specifications/ work plan/ deputation plan.

**5. Use of Contract Documents and Information; Inspection and Audit by the procuring agency.**

5.1. The Service Provider shall not, without the Procuring Agency's prior written consent, disclose the Contract, or any provision thereof, or information furnished by or on behalf of the Procuring Agency in connection therewith, to any person other than a person employed by the Service Provider in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2. The Service Provider shall not, without the Procuring Agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of executing the Contract.

5.3. Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring Agency and shall be returned (all copies) to the Procuring Agency on completion of the Service Provider's performance under the Contract if so required by the Procuring Agency.

5.4. The Service Provider shall permit the Procuring Agency to inspect the Service Provider's accounts and records relating to the performance of the Service Provider and to have them audited by auditors appointed by the donors, if so required by the donors.

**6. Performance Guarantee**

6.1. The proceeds of the Performance Guarantee shall be payable to the Procuring Agency as compensation for any loss



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resulting from the Service Provider's failure to complete its obligations under the Contract.

6.2. The performance guarantee will be discharged by the Procuring Agency and returned to the Service Provider not later than thirty (30) days following the date of completion of the Service Provider's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

**7. Incidental material**

7.1. The Service Provider may be required to provide any of the incidental material if any, specified in SCC:

**8. Payment**

8.1. The method and conditions of payment to be made to the Service Provider under this Contract shall be specified in SCC.

8.2. The Service Provider's request(s) for payment shall be made to the Procuring Agency in writing, accompanied by an invoice describing, as appropriate, Services performed, and by documents submitted and upon fulfillment of other obligations stipulated in the Contract.

8.3. As per rule-62 of PPR-14, payments shall be made promptly by the Procuring Agency, but in no case later than thirty (30) days after submission of an invoice or claim by the Service Provider provided the work is satisfactory.

8.4. The currency of payment is *PKR*.

**9. Prices**

9.1. Prices charged by the Service Provider and Services performed under the Contract shall not vary from the prices quoted by the Service Provider in its Bid, with the exception of any price adjustments authorized in SCC.

**10. Change Orders**

10.1. The Procuring Agency may at any time, by a written order given to the Service Provider pursuant to GCC Clause 11, make changes within the general scope of the Contract, only if required for the successful completion of the job.

10.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Service Provider's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price, or both, and the Contract shall accordingly be amended. Any claims by the



Service Provider for adjustment under this clause must be asserted within thirty (30) days from the date of the Service Provider's receipt of the Procuring Agency's change order. But, in no case, the overall impact of the change should exceed 15% of the contract cost and no provisions of PPR-14 should be violated.

**11. Contract Amendments**

11.1. Subject to GCC Clause 10, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

**12. Assignment**

12.1. The Service Provider shall not assign the whole of contract to anybody else. However, some parts of contract or its obligations may be assigned to sub-contractors with the prior written approval of the procuring agency.

**13. Sub-contracts**

13.1. The Service Provider shall notify the Procuring Agency in the Bid of all subcontracts to be assigned under this Contract. Such notification, in the original Bid or later, shall not relieve the Service Provider from any liability or obligation under the Contract.

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13.2. Subcontracts must comply with the provisions of GCC Clause 12.



**14. Delays in the Service Provider's Performance**

14.1. Performance of Services shall be made by the Service Provider in accordance with the Schedule of Requirements/ Work Plan/ Deputation Plan as prescribed by the Procuring Agency in Section VII.

14.2. If at any time during performance of the Contract, the Service Provider or its subcontractor(s) should encounter conditions impeding timely performance of Services, the Service Provider shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Service Provider's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Service Provider's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.

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14.3. Except as provided under GCC Clause 17, a delay by the Service Provider in the performance of its delivery obligations shall render the Service Provider liable to the imposition of liquidated damages.

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**15. Liquidated Damages**

15.1. Subject to GCC Clause 17, if the Service Provider fails to provide the Services as per requirement/ within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 16 along with other remedies available under PPR-14.

**16. Termination for Default**

16.1. The Procuring Agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Service Provider, may terminate this Contract in whole or in part:

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- (a) if the Service Provider fails to deliver any or all of the service within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency pursuant to GCC Clause 14;
- (b) if the Service Provider fails to perform any other obligation(s) under the Contract; or
- (c) if the Service Provider, in the judgment of the Procuring Agency has engaged in corrupt practices in competing for or in executing the Contract. For the purpose of this clause, corrupt practices will be defined as per Section-2 (d) of The PPRA Act, 2009.

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"Corrupt practices" in respect of procurement process, shall be as given in S-2 (d) of PPRA, Act, 2009:

(d) "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official, bidder or Contractor in the procurement process or in Contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a Contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, noncompetitive levels and to deprive the

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procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following:

- i. coercive practice by impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
- ii. collusive practice by arrangement between two or more parties to the procurement process or Contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- iii. offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- iv. any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- v. obstructive practice by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a Contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit process



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16.2. In the event the Procuring Agency terminates the Contract in whole or in part, pursuant to GCC Clause 16.1, the Procuring Agency may procure, upon such terms and in such manner as it

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deems appropriate, Services similar to those undelivered, and the Service Provider shall be liable to the Procuring Agency for any excess costs for such similar Services. However, the Service Provider shall continue performance of the Contract to the extent not terminated.

**17. Force Majeure**

17.1. Notwithstanding the provisions of GCC Clauses 14, 15, and 16, the Service Provider shall not be liable for forfeiture of its Performance Guarantee, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

17.2. For purposes of this clause, "Force Majeure" means an event beyond the control of the Service Provider and not involving the Service Provider's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes. Both, the Procuring Agency and the Service Provider, may agree to exclude certain widespread conditions e.g: epidemics, pandemics, quarantine restrictions etc from the purview of "Force Majeure".

25.3. If a Force Majeure situation arises, the Service Provider shall promptly notify the Procuring Agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing, the Service Provider shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. Any difference of opinion concerning "Force Majeure" may be decided through means given herein below.

**18. Termination for Insolvency**

18.1. The Procuring Agency may at any time terminate the Contract by giving written notice to the Service Provider if the Service Provider becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Service Provider, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Agency.

**19. Termination for Convenience**

19.1. The Procuring Agency, by written notice sent to the Service Provider, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify

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that termination is for the Procuring Agency's convenience, the extent to which performance of the Service Provider under the Contract is terminated, and the date upon which such termination becomes effective.

19.2. The Services that are complete and ready for shipment (if applicable) within thirty (30) days after the Service Provider's receipt of notice of termination shall be accepted by the Procuring Agency on the Contract terms and prices. For the remaining Services, the Procuring Agency may choose:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Service Provider—an agreed amount for partially completed Services and for materials and parts previously procured by the Service Provider.

**20. Resolution of Disputes**

20.1. After signing the contract or issuance of purchase order, The Procuring Agency and the Service Provider shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or connection with the Contract.

20.2. If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Service Provider have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration as per rule 68 of PPR-14 and in accordance with Arbitration Act-1940. The Arbitrator will be nominated by the Competent Authority of P&SHD.



**21. Governing Language**

21.1. The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

**22. Applicable Law**

22.1. The Contract shall be interpreted in accordance with the laws of Punjab (Pakistan) unless otherwise specified in SCC.

**23. Notices**

23.1. Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by any information technology mean for the time being in use and acceptable in ordinary course of business to the other party's address specified in SCC.

23.2. A notice shall be effective when delivered or on the notice's effective date, whichever is later.

**24. Taxes and Duties**

24.1. Service Provider shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Services to the Procuring Agency.

**25. Change in minimum wage rate**

25.1. If during the continuation of the service contract, minimum wage rate is revised by the competent authorized forum, then the ongoing contract shall be revised as per percentage increased in minimum wages declared for such category.

**26. Extension in Contract period**

Initially the contract will be for three (03) years. However, the same would be extended by the competent authority, on the satisfactory performance by the contractor for further a period of three (03) years on the same rate & TORs. Extension in the contact agreement shall be the discretion of the procuring agency and the contractor has no right to claim further extension as a matter of right in the contract.



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**Section-III. Special Conditions of Contract**

**1. Definitions (GCC Clause 1)**

GCC 1.1 (g)—The Procuring Agency is: Primary & Secondary Healthcare Department

GCC 1.1 (h)—The Procuring Agency's country is: Pakistan

GCC 1.1 (i)—The Service Provider is: **[M/s Agfa Healthcare Pakistan]**

**2. Performance Guarantee (GCC Clause 6)**

GCC 7.1—As per rule 56 of PPR-14, the amount of Performance Guarantee, as a percentage of the Contract Price, shall be: Two (02) percent of the Contract Price.

**3. Incidental Materials (GCC Clause 7)**

GCC 7.1—Incidental materials to be provided are:  
(Not Applicable)

**4. Payment (GCC Clause 8)**

GCC 8.1—The method and conditions of payment to be made to the Service Provider under this Contract shall be as follows:

**Payment for Services provided:**

Payment may be made in Pak. Rupees in the following manner:

- (i) Running Bill modality.

**5. Prices (GCC Clause 9)**

GCC 9.1—Prices shall be fixed and shall not be adjusted.

**6. Liquidated Damages (GCC Clause 15)**

GCC 15.1—Applicable rate: [As described in the scope of services.]

Maximum deduction: As described in the scope of services.

**7. Resolution of Disputes (GCC Clause 20)**

GCC 20.2—The dispute resolution mechanism to be applied pursuant to GCC Clause 20.2 shall be as follows:

As per rule-68 of PPR-14, in the case of a dispute between the Procuring Agency and the Service Provider, the dispute shall be referred for arbitration in accordance with the Arbitration Act 1940.

**8. Governing Language (GCC Clause 21)**

GCC 21.1—The Governing Language shall be: [English]

**9. Applicable Law (GCC Clause 22)**

GCC 22.1—The Contract shall be interpreted in accordance with the laws applicable in the jurisdiction of the province of Punjab, Pakistan.

**10. Notices (GCC Clause 23)**

GCC 23.1—As per contract agreement details.



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## Section-IV. Scope of Services

### 1. Equipment Covered:

The service provider shall be responsible for the service, maintenance, repair and replacement of the components/ parts of the biomedical equipment for which the SLA is being signed including batteries and probes etc. but excluding only those consumables which are required in the operation of the equipment. Tentative list of equipment with details of health facility is annexed.

### 2. Maintenance Services:

The service provider bound to conduct bi-annually visits per site of the qualified technical personnel/engineer for the periodic preventive maintenance. However, the visit for corrective maintenance shall be conducted by the service provider as and when required. The Service Provider shall attend the complaint regarding malfunctioning of biomedical equipment within 24 - 48 hours from lodging of the complaint and/or arrange its alternative/ backup (if time is required to resolve the issue). The Engineers of BERC will follow-up the complaint till its resolution.

### 3. Repairs and Calibration:

The equipment which required calibration will be calibrated as per the manufacturer recommendation (Bi-annual ppm is mandatory). The faulty part / component shall be replaced by the service provider immediately and the service provider will refrain from adopting any hack/non-conventional method other than specified by the manufacturer.

### 4. Up-gradation:

Software and hardware up-gradation of the system should be carried out as and when launched/ recommended by the manufacturer during the Service Level Agreement.

### 5. Spare Parts and Consumables:

The Service Provider shall maintain optimum inventory of spare parts of every kind regardless of the fault or frequency of malfunctioning that are required for the smooth functioning of equipment. Any part which needs to be repaired/ replaced shall /may be assessed jointly with the engineers of BERC and repaired/ replaced accordingly.

### 6. Service Level & Penalties:

- i. The Service Level Agreement will start from the date of signing of contract. Equipment which is still uninstalled will be covered under standard warranty period of one year after installation. SLA of such equipment will start from the date of completion standard warranty period. An annual uptime of 95% is considered as acceptable level of performance. If the uptime percentage for the measurement period (06-months) shall fall short of 95% the following formula will be applied to determine additional days in the service contract period.

UP-TIME	PENALTY
100% - 95%	No Penalty
94.9% - 90%	The service period will be extended by 2.0 times the number of days as extra down time.
89.9% - 80%	The service period will be extended by 3.0 times the number of days as extra down time
Below 80%	The service period will be extended by 4.0 times the number of days as extra down time



- ii. Health facility wise Log Book for each equipment shall be maintained by the Service provider and verified by the Medical Superintendent of the health facility and concerned In-charge of Medical Equipment Repair Workshop/ Representative of BERC. This will include the name of the equipment, down time, preventive maintenance schedule, corrective maintenance, replacement of parts etc.
- iii. Uptime shall be defined as the time available to the user for doing procedures/ data acquisition and processing during working hours throughout the year except gazette holidays (from 9.00 am to 5.00pm) except for equipment placed in Emergency and Gynae Departments.
- iv. Down time is defined as the failure in the equipment operation to acquire or process the data or procedure, resulting in inability to carry out the required procedure properly.
- v. Down time will start when health facility / BERC notifies the service provider in writing or by electronic means.
- vi. Down time will end once the repairs have been affected and the system is again available for use. BERC and the end user along with the service provider will jointly address the complaint and BERC will verify the downtime of the equipment claimed by the service provider in the invoice. Downtime will be calculated and implemented Bi-annually. Payment will be made after imposition of the downtime penalty. The next measurement period of uptime of equipment will start after the completion of previous measurement period with the imposed downtime penalty. The Bi-annual payment will be calculated from the annual SLA cost quoted by the bidder *(For example: Bi-annual payment = Annual Payment / 2)*
- vii. An "Optimal Percentage" will be calculated by dividing "System in Service" hours by hours available, both measured on the basis of working hours as detailed above.
- viii. Remote service via modem shall be preferred if provided by the manufacturer to pick-up early faults at no cost to the end user.
- ix. The manufacturer / supplier / Service Provider shall keep a check for electrical / magnetic / temperature and humidity conditions. Such a check should be made bi-annually or as per manufacturer recommendation and record should be maintained in the log book available with the end user/ service provider.

**7. Responsibility Matrix:**

- a. In the event of complaint, the end-user/health facility lodge complaint to service provider beside lodging same on the helpline of BERC i.e., Phone No. 1454 / 042-99056000 / any defined official contact No., immediately after the malfunctioning of equipment.





b. The representative/ concern officer of the BERC will check with the database to check whether the complaint item is in SLA or not, if found in SLA, BERC will inform the service provider (along with PMU Technical Official) immediately telephonically / electronically via email. Additionally, the service provider shall submit/provide its official dedicated contact details (Phone & E-mail) to PMU-P&SHD & BERC-P&SHD before the signing of contract, which may be updated from time to time, if required, for the purpose of correspondence regarding complaints regarding functionality of Bio-Medical equipment.

c. The Service Provider shall respond to the complaint within 24-48 hours from the time of receiving the complaint (telephonically or by email) and provide feedback regarding its status whether resolved/pending/under-observation to the Engineers of BERC.

d. Upon resolution of the complaint, a report will be issued by the Service Provider duly signed by the Medical Superintendent/ In-charge of that health facility along with NMS / Biomedical Engineer (For DHQ/THQ only). The same report will be annexed with the invoice along with other documents.

**8. Training:**

The service provider shall train the staff/operator on the operational use of the equipment as per manufacturer recommendation from time to time. The service provider shall clearly communicate the correct usage, care and maintenance on staff level both verbally and in written, and be liable to ensure the implementation accordingly. The training may be requested by the MS / BERC or can be self-initiated by the firm to build the capacity of the staff.

**9. Payment:**

a. The Payment to the service provider shall be in Pak. Rupees.

b. The service provider shall submit invoices Bi-Annually (SKU / single equipment wise / Unit) as per below checklist. The invoices will be vetted by BERC and submitted to PMU-P&SHD for payment process.

c. The Invoice of the Service Provider shall be submitted in the manner as follows;

Invoice Checklist (to be attached with invoice for each SKU / single equipment wise / Unit)		
Sr. No.	Description	Annexure
1.	Original invoice/bill(s)	A.
2.	<b>PPM Report:</b> Duly signed by MS / In-charge Health Facility along with NMS / Biomedical Engineer (For DHQ/THQ only)	B.
3.	<b>Logbook Bi-Annually</b> Duly signed by MS / In-charge Health Facility along with NMS / Biomedical Engineer (For DHQ/THQ only)	C.

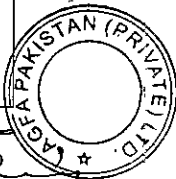


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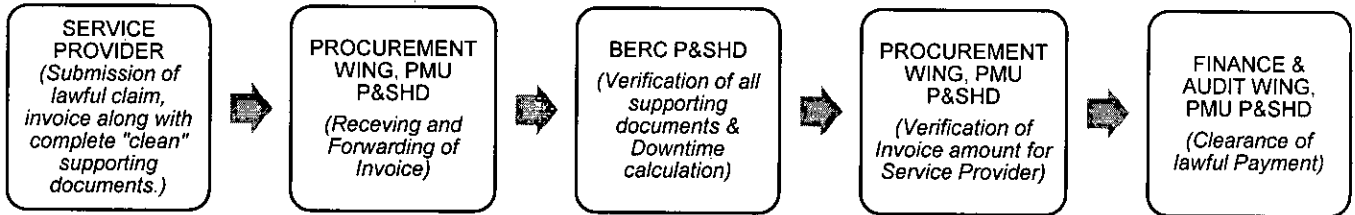
4.	Service/Complaint Reports (If any)	D.
5.	Pending complaint status of the invoiced period (If any)	E.
6.	Detail of part replaced (if any); (If required)	F.
7.	Training Operational Training Report of Staff Bi-Annually (If required)	G.
8.	Any other document if required for processing of payments	H.

**Note:**

- i. The Service Provider must submit the invoice in proper file cover, for each SKU / single equipment wise / Unit wise.
- ii. It is mandatory for each supporting documents to be signed & stamped by MS / In-charge Health Facility and relevant NMS staff (Biomedical Engineer or any other NMS with additional charge of Biomedical Engineer).
- iii. In case of training conducting, the attendance of the training must be signed & stamped by MS and relevant NMS staff.
- iv. The page numbering of the whole invoice must be done adequately and documents must be attached in the same sequence / order as mentioned in the table.



INVOICE PROCESSING MECHANISM



# M/s AGFA HEALTHCARE

ANNEX-C

## Technical Specifications

### 39. Computerized Radiography Unit

Model: CR30XM(Digitizer) + Drystar DS5503 (Printer)

Make : Agfa

Country of Manufacturer : Germany

Country of Origin : Germany

#### Specifications;

Snr.	CR-30Xm with DS-5503 Printer	Qty
1	CR 30-Xm DIGITIZER	1
2	NX9000 HP rp5810 RAID1 PC	1
3	NX Premium-EL (incl. MUSICA <sup>2</sup> )	1
4	NX Optiview SW	1
5	NX Precision Tool SW	1
6	NX RIS Connectivity	1
7	NX MAMMO / MIXED USE	1
8	NX 3.0 Features license	1
9	HP EliteDisplay E190i LED MNT (19" HP LA1956x LED backlit monitor)	1
10	CR MD4.0T GENERAL SET 35x43 CM	3
11	CR MD4.0T GENERAL SET 24x30 CM	3
12	CR MD4.0T GENERAL SET 18x24 CM	3
13	Drystar 5503	1
14	Drystar 5503 Mammo license	1

#### Computed Radiography - CR 30-Xm Digitizer & 5503 IMAGER

CR 30-Xm is a compact multiple size plates reading capability, single slot, table-top digitizer that that meets the high-level quality demanded for Digital mammography along with all General radiography, Orthopedics, and Dental applications etc.

#### Highest productivity

CR-30-Xm maximizes highest productivity with the throughput of 82 image plates (IP) per hour (depending on size and application). Using CR 30-Xm as a central digitizer in the radiology department, multiple examination rooms can be supported as it provides broad range of applications

#### Broad range of applications



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In combination with the application-specific plates and cassettes, CR 30-Xm supports a broad range of applications:

- General radiography
- Orthopedics - Extremities
- Dental
- Chiropractic
- Full Leg/Full Spine
- Mammography

### Size & Optimal Accessibility

With its table-top size, the CR 30-Xm digitizer can be placed easily at any location. It works with dedicated cassettes and is designed with ease of use in mind, for optimal handling, comfort and maintenance. When combined with a universal X-ray shield, the CR 30-Xm can be used inside the X-ray room. It also integrates into vans, trucks and other mobile facilities, for mobile applications such as mobile breast screening initiatives.

### An economical way to go digital.

CR-30Xm is compatible with all existing X-ray systems allowing X-ray departments to go digital without significant additional investments and workflow adaptations.

### CR User Station .

The flexibility of Agfa's CR User-Station makes it highly suitable for all CR environments: centralized, decentralized or personal CR solutions. It can be used either as a stand-alone configuration or in combination with a digitizer.

The CR User Station is Agfa's integrated solution for Modality Workstation equipment. This operating console facilitates the work of the radiographer. It is designed with the look and feel of the range of new Agfa digitizers. Its modular and ergonomic design offers space for:

A workstation for image handling, processing and dispatching a monitor, a network switch and UPSA monitor

### Cassettes.

#### No Change In Exposure Routine

The CR MD4.0 cassette contains the phosphor imaging plate. The CR MD4.0 cassette and plate are compatible with existing X-ray tables. The exposure equipment and routines do not have to be modified when switching from conventional to digital imaging.

### Embedded memory

A CR MD4.0 cassette has a permanently mounted memory chip to store the data entered at the ID terminal. The identification is performed by no-touch radiofrequency tagging via a built-in antenna card in the CR MD4.0 cassette.



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- **User friendly**

The CR MD4.0 cassette is lightweight and very comfortable to use. It is made of synthetic material and it is warm and pleasant to the touch, minimizing patient discomfort.

- **Designed to last**

The synthetic material of the CR MD4.0 cassette has a special ribbed structure that provides maximum rigidity. This makes the CR MD4.0 cassette almost indestructible. The corners are rubber protected against accidental dropping.

- **Foolproof manipulation**

The CR MD4.0 cassettes are protected against accidental insertion into Curix film centers, so that even in hybrid conventional/digital departments the occurrence of errors is avoided.

- **Backscatter protection**

CR MD4.0 cassettes are lead-backed to ensure optimal backscatter protection and avoid adverse effects of backscatter on image quality

- **Antistatic inner lining**

The inner lining of the CR MD4.0 cassette body is made of felt. This ensures a high degree of protection against electrostatic charging, dust collection and mechanical damage on the CR MD4.0 imaging plates.

- **A unique service**

CR MD4.0 cassettes and plates can be ordered separately but Agfa also offers the choice of ordering pre-staged cassette/plate sets. The CR MD4.0 cassettes are in this case loaded with the corresponding imaging plates and pre-initialized in the factory. Using this unique service results in savings in installation and start-up time on site.



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### **Software/Tools.**

NX covers the TECHNOLOGIST's daily needs. When facility has specialized requirements, multiple available options provide the specific tools the TECHNOLOGIST

with the technologist in mind, the technologist can complete all standard tasks quickly and effortlessly. Thanks to the intuitive interface, easy access to the system is assured, providing more flexibility and efficiency in the radiology department. Agfa HealthCare's image processing allows the technologist to spend much less time adjusting, for faster image delivery to the radiologist. The in-room integration means a more convenient workflow for the technologist throughout the imaging process. Offering improved interoperability with other systems within the hospital, NX delivers a higher level of integration.

- **Designed for intuitive use**

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- Convenient workflow at point-of-care
- Facilitates hospital integration

**NX MUSICA Feature:** The CR 30-Xm makes no compromises in image quality, for mammography or other applications. It reads conventional CR mammography imaging plates at 20 pixels/mm (50 µm pixel pitch). Imaging plates for general radiology applications are read at the high resolution of 10 pixels/mm (100 µm pixel pitch). MUSICA2 intelligent image processing software automatically optimizes the final image quality without the need for human intervention

### **NX Optiview.**

NX Optiview features minimize artifacts and optimize viewing quality for improved reading by the radiologist.

- The area outside the diagnostic area is automatically made black or grey, even when multiple exposures are made on one plate.
- Detected repetitive patterns, caused by anti-scatter grids, are removed.
- A square marker is automatically placed in the top left corner of all images. As the image is rotated and/or flipped, the marker also moves, indicating a manual change.



### **NX Precision Tools**

NX Precision Tools allows the technologist to fine-tune the image and deliver more specific information to the radiologist.

- Annotations can be added to an image, such as: markers, predefined text, drawing lines or geometrical shapes, applying shutters to mask areas of the image, etc;
- The technologist can zoom in an image for a more detailed view or zoom directly to a specific Region of Interest;
- NX Precision Tools measures distances and angles and determines leg length differences and scoliosis.
- The technologist can show histograms for image analysis;
- Manual adjustment of the MUSICA image processing parameters allows fine-tuning for specific purposes.

*With NX Optiview's top-left corner marker, image rotation or flipping is apparent.*

### **NX RIS Connectivity**

By decreasing typographical errors and allowing easy access to patient data, NX RIS Connectivity provides more consistent patient data and reduces identification time, resulting in improved technologist workflow.

- NX connects with existing information systems, such as Hospital Information Systems (HIS) and Radiology Information Systems (RIS).

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- Direct access is available to patient data stored in the RIS, such as patient demographics, exam types and exposures. RIS Protocol codes can also be supported.

**Drystar 5503 IMAGER** is a versatile partner capable of handling a diversity of printing tasks from different sources with speed and reliability. Below you can find other key benefits of this innovative imager.

### Improved workflow across departments.

Drystar 5503 offers high throughput of up to 100 14 x 17" sheets/hour, a unique multi-format architecture and sorting by modality function, to enhance workflow across departments.

### Every pixel tells a story

The Direct Digital Imaging technology employed by Drystar 5503 is not only clean, fast and environmentally friendly, it is also one of the best ways of translating the high-resolution capability of 508 ppi at a spot size of 50 µm to a final image. Direct Digital Imaging ensures that every pixel in the image is fully software controlled for virtually flawless and consistent image quality. A significant reduction in wear and tear is due to an equally significant reduction in moving parts as a result of using Direct Digital Imaging technology.

### Multi-format and 3 media sizes on-line

Although Drystar 5503 features multiple-format handling, the three most popular media sizes and types are permanently on-line. This means that the imager is capable of delivering CT, MRI, DSA, digital R&F, CR, DR and mammo images at high speed onto different Drystar DT2 media, making the final image versatility of this stand-alone, small footprint unit remarkable.

### Sorting it out

To increase efficiency and user-friendliness, Drystar 5503 has a unique sorter function. This ensures that whichever modality is being served, whichever print command is currently being handled, all tasks will be carried out and sorted, according to modality of patient record, if available. With Drystar 5503, high traffic density input no longer means bottlenecks and slow-speed output at the imager, virtually eliminating log jams.

### Increasing performance for mammo

As an option, Drystar 5503 can also print mammography images. Using our dedicated DT2 Mammo film ensures you the highest image quality, in accordance with mammography standards. With its 508 dpi resolution and the A# Sharp technology, Drystar 5503 produces the sharpest images, ideally suited for digital mammography.



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## Drystar DT 2 B Films

To support its top-of-the-line DRYSTAR 5x00 imagers, a special medium, DRYSTAR DT 2, was developed. This page highlights the key features and benefits that DRYSTAR DT 2 provides.

### Premier quality and throughput

Agfa's state-of-the-art Direct Digital dry imaging technology produces grayscale hardcopies with high Dmax and contrast. It gives the same clear, high-quality results as wet laser film, but offers all the advantages of dry technology: no wet processing, no darkroom and no chemicals. DRYSTAR DT 2 is capable of coping with the higher throughput of Agfa's advanced imagers. In other words, premier quality images are generated faster and more conveniently.

### Ecological technology in an easy-to-use system

The Direct Digital dry imaging technology ensures easy and convenient use. The heat-sensitive characteristics of DRYSTAR DT 2 make daylight loading effortless. With no wet processing or darkroom required, there is no need for cleaning products, time-consuming adjustments or chemical disposal. Image processing is more efficient and cost-effective. The DRYSTAR DT 2 packaging is fully recyclable and, combined with the elimination of processing chemicals, provides a more environmentally friendly solution.

### Consistently Clear and Sharp images

DRYSTAR DT 2 is built on a 168  $\mu\text{m}$  thick PET base, coated with silver salts and covered with a protective top layer for resistance to scratches and moisture. The PET base has rounded corners, to allow the medium to be handled in the same way as regular X-ray film. The silver-based imaging layer is heat-sensitive rather than light-sensitive, guaranteeing low fog and high contrast, combined with excellent image stability.



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