



HOOGHLY – CHINSURAH MUNICIPALITY

Pipulpati

P.O. & Dist. : Hooghly

Phone : 2680-2319/3166 , Fax No. 2680 - 6091

From : Sri Gouri Kanta Mukherjee
Chairman
Hooghly-Chinsurah Municipality

Memo No. 6175 /HD-PKB/HCM

Date. 31/12/2010

To
The Project Director
C.M.U., SUDA – KUSP
ILGUS Bhavan
Sector III, H.C. Block
Bidhan Nagore, Kol. – 106

Sub : Seeking grant for the purchase of 1) Eye, 2) Dental and 3) ENT instruments, for our E.S.O.P.D. Unit, IPP-VIII under KUSP Health fund in the interest of Health Services of our H.C., Municipal Health Services.

Sir,

Allow me taking this privilege to state that a list of requirement of ENT, Dental, & Eye instruments are urgently needed at our ESOPD Unit, IPP-VIII (HP), HCM in Karbala, Hooghly.

Separate quotations item wise are enclosed herewith which will speak itself.

Hope that you would pay singular attention to my request in the greater interest of Health Services under Hooghly-Chinsurah Municipality.

In this connection I would inform you that an additional fund may be sanctioned for the said purpose.

Thanking you,

Enclo :

- 1) Rupees Eighty two Thousand only for Eye instrument.
- 2) Rupees seventy eight thousand only for Dental instrument.
- 3) Rupees Thirteen thousand and nine hundred ten only (+4% vat in all respect's) for ENT. instrument.

Sincerely yours,

(Sri Gouri Kanta Mukherjee)
Chairman

Hooghly-Chinsurah Municipality

Memo No. 6175 (4) /HD-PKB/HCM

Copy forwarded to the :

Dated 31/12/2010

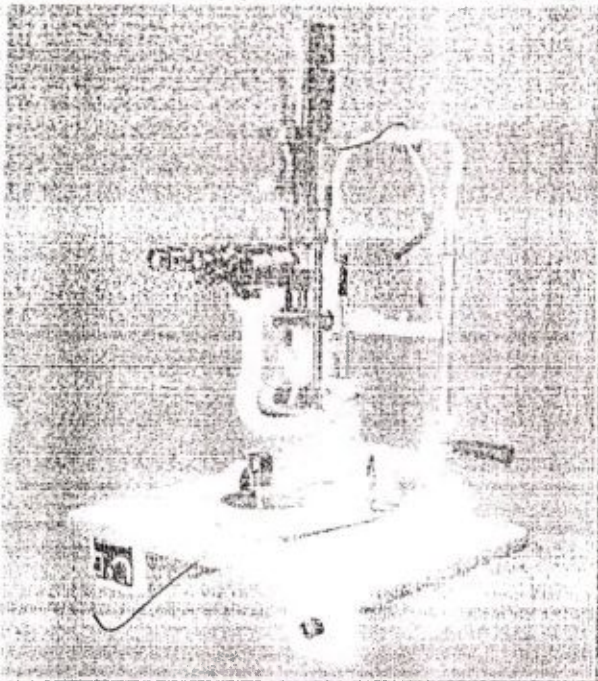
- 1) Dr. Shibani Goswami, Project Manager (Health), CMU/ KUSP, ILGUS Bhavan, HC Block, Sector-III, Salt Lake, Kol. -106
- 2) CIC, Health, HCM
- 3) Finance Co-ordinator, HCM
- 4) Accountant, HCM

For information and taking necessary action please.

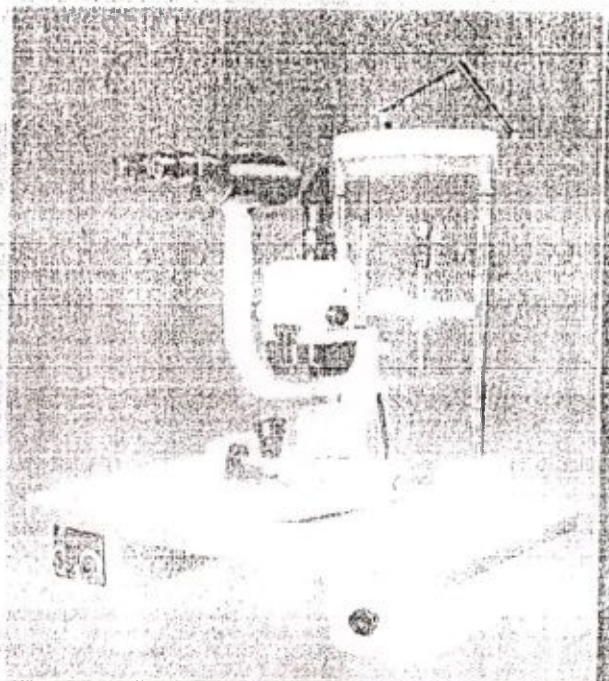
(Sri Gouri Kanta Mukherjee)
Chairman

Hooghly-Chinsurah Municipality

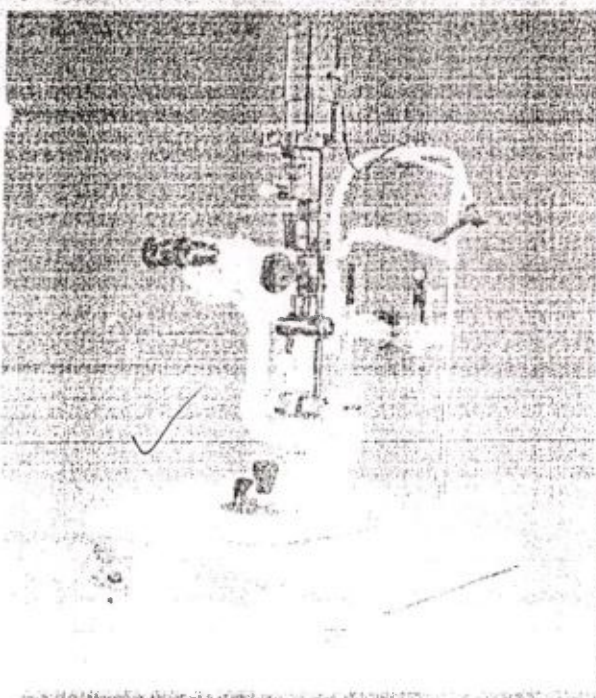
SLIP PLATE



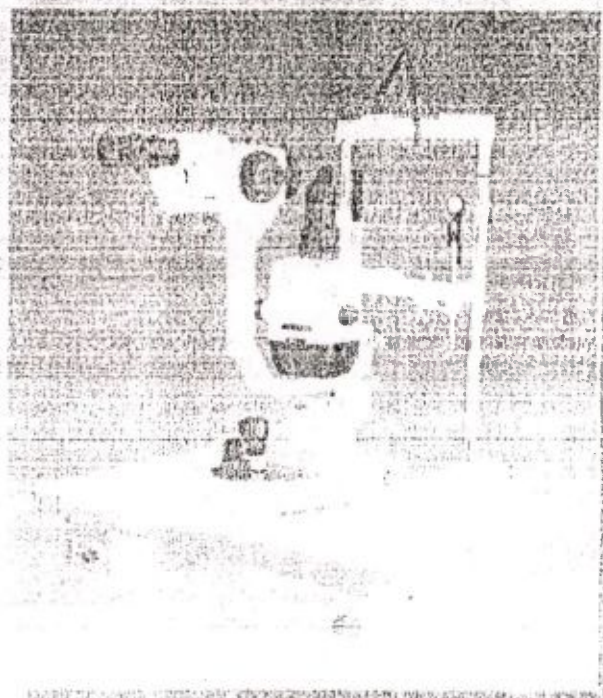
AIA 11



AIA 12



AIA 11 - 5S



AIA 12 - 5S

Enclo: 2
THE MODERN DENTAL & MEDICAL DEPOT.

STOCKISTS OF QUALITY DENTAL GOODS, MEDICAMENTS AND ORTHOPAEDIC IMPLANTS, EQUIPMENTS INSTRUMENTS

51, CHITTARANJAN AVENUE, KOLKATA - 700 012

TELEPHONE : 2237-4517, FAX : 2237-3813, MOBILE : 98310 13814

QUOTATION

Dated 25/2/2001

1. Dental Hydraulic Chair 'Prudent' Bride Rs. 50,000/-
as per Catalogue
2. Intra Oral Camera Imported Rs. 28,000/-

+ W.B.V.A.T @ 4% extra
Formalizing + Installation extra as
per actuals.



Kindly note that the above prices do
NOT include Computer / Television
sets.



Delivery :
Remarks :

VALIDITY 90 DAYS

For Modern Surgical

QUOTATION

IVAT No. : 19540554050

Enq. Date:

We take immense pleasure to quote our lowest rates for the following items :-

Remarks :

For Modern Surgical

State E.N.T.

Encls: 3

- Head light — 4000-00 + vat
- (2) Aural speculum — 400-00
- (3) Tongue depressor — 200-00
2 NO
- (4) Nasal Foreign body hook — 150-00
- (5) Aural syringe — 650-00
- (6) Kidney Tray 2 NO — 120-00
- (7) Rectangular Tray with
10x8 Cover 2 NO — 310-00
- (8) Crocodile cup Forceps — 4000-00
5 variety — 2 NO
- (9) Mirror Handle Laryngeal — 80-00
- (10) Revolving Chair — 4000-00

20,000
22,000

12,910-00
600-00 vat

Approx — 14,510-00

✓ 1

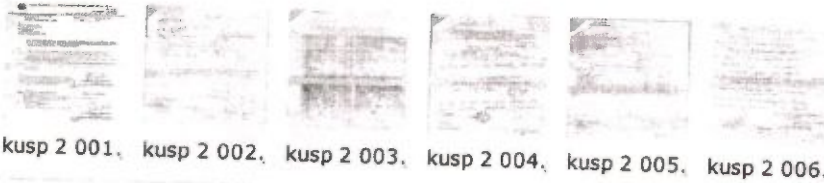
Kind Attention Dr. Shibani Ghoswami (Hooghly Chinsurah Municipality)

From: "Chairperson Hooghly_Chinsurah" <hoogch@yahoo.com>

Wednesday, 5 January, 2011 3:01 PM

To: "Project Director" <kuspcmu@vsnl.net>

6 Files (1424KB)



kusp 2 001, kusp 2 002, kusp 2 003, kusp 2 004, kusp 2 005, kusp 2 006,

From: Chairperson Hooghly_Chinsurah <hoogch@yahoo.com>

Subject: Kind Attention Dr. Shibani Ghoswami (Hooghly Chinsurah Municipality)

To: "Chairperson Hooghly_Chinsurah" <hoogch@yahoo.com>

Date: Monday, 3 January, 2011, 12:14 PM

Sir/ Madam

please check the attachment.

thanking you

Regards

Chairman

Hooghly Chinsurah Municipality

S.T.D No.-03473

Phone No.-242023/243647

Email ID: chakdahamunicipality@ymail.com

Website: www.chakdahamunicipality.com

H.E.
Discussed
with P.D.
15 may funds
J.S.
29/1/11

OFFICE OF THE COUNCILLORS

Chakdaha Municipality

P.O-Chakdaha, Dist.-Nadia.

(West Bengal)

Memo No. - 1619 /C.M

From: Dr. Kanak Moitra,
Chairman.

Dated- 27-10-2010.

To: The Project Director, CMU, KUSP,
ILGUS Bhawan, Salt Lake City, Kolkata-106.



EE
20.1.11

Sub: Release of fund amounting to Rs.15.00 Lakhs for the purchase of one Digital X-Ray Machine alongwith necessary accessories for our municipal polyclinic & pathological centre.

Ref: Our Office Memo No.-471 /CM dated-11.5.2009. & Telephonic Conversation with the P.D, CMU, KUSP on 20.12.10 at 1:00 pm.

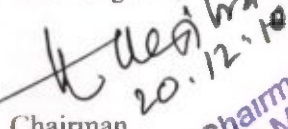
Sir,

I like to inform you that we have started Municipal Polyclinic & Pathological Centre mainly for the need of the BPL families in May-2009. Entire scheme has been funded from municipal fund and KUSP incentive Fund too. Since its inception, Public mainly belonging to BPL & EWS families are immensely benefited. The rates of different pathological tests are very low compared to other pathological centres. It acquires credibility for the accuracy of reports of different tests. But I am to inform you that one digital X-ray machine is urgently required for enriching the pathological centre. There is big demand for X-ray. Inspite our willingness, we are unable to purchase the digital X-ray Machine as the existing municipal resource does not permit. In early 2009-2010 we have invited rates from reputed firm and the rate of one Digital X-ray machine was Rs.15.00 lakhs. By this time rates may be enhanced. Under the above circumstances, I fervently request you to sanction & release Rs.15 lakhs for the digital X-ray machine along with necessary accessories forthwith and oblige. Needless to say, the additional fund required for the above purpose shall be borne by the Municipality. Be it noted that we shall utilize the fund if released for the purpose within 15 days from the date of received of the fund.

It may be mentioned that, this proposal has been included in ADP-2011-12, which will be sent shortly after approval of the BOC in the meeting to be held on 24.12.2010.

I am sure; I shall not be refused by you. Your sympathetic consideration will be highly appreciated.

Thanking You,
With Regards,


Chairman
Chakdaha Municipality
Chakdaha, Nadia

Encl. DPR & our previous office memo in this regard.

20/1/11

**DETAILED PROJECT REPORT
(DPR)
ON
SETTING UP OF MUNICIPAL
POLYCLINIC & PATHOLOGICAL
CENTRE**

**DPR FOR SOCIAL & LIVELIHOOD DEVELOPMENT
PLAN
(DDP-ADP Sub-Comp. – Health Care Service Improvement Plan.)
(YEAR 2011-2012)**



**CHAKDAHA MUNICIPALITY,
CHAKDAHA, NADIA**

Mithun Sarkar
20.12.10.

(MITHUN SARKAR)
Urban Planner (K.U.S.P.)
Chakdah Municipality

[Signature]
20.12.10
Chairman
Chakdah Municipality
Chakdah, Nadia

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Abbreviations & acronyms

CDS	Community Development Society
CMU	Change Management Unit
CO	Community Organizer
DDP	Draft Development Plan
DFID	Department for International Development
DLB	Directorate of Local Bodies
DPC	District Planning Committee
DPG	DDP Policy Group
DTG 1	DDP Technical Group 1
DTG 2	DDP Technical Group 2
DTG 3	DDP Technical Group 3
EMP	Environment Management Plan
GOI	Government of India
GoWB	Government of West Bengal
HHW	Honorary Health Workers
KUSP	Kolkata Urban Services for Poor
LED	Local Economic Development
ISF	Investible Surplus Fund
O&M	Operations and Maintenance
OD	Organization Development
PPP	Public Private Partnership
BM	Bimagar Municipality
SEB	Socio Economic Baseline Surveys
SFC	State Finance Commission
SJSRY	Swarna Jayanti Shahari Rozgaar Yojana
SWM	Solid Waste Management
TCG	Thrift and Credit Group
TOR	Terms of Reference
TPO	Town Project Officer
UDPFI	Urban Development Plans Formulation and Implementation
ULBs	Urban Local Bodies
UPE Cell	Urban Poverty Eradication Cell
WBPCB	West Bengal Pollution Control Board
WC	Ward Committee
WEC	Ward Education Committee

General Description of the Municipal Office

OVERVIEW OF THE MUNICIPALITY

Chakdaha is a prominent urban local body in the district of Nadia – Nadia being one of the southern districts of West Bengal. Located on the banks of Bhagirathi River, Chakdaha derived its name from its mythological past. According to one of these stories, when river Bhagirathi was taking Ganga along this path, the wheel (Chakaha) of his chariot got stuck in the sand, and from then on, that place became known as *chakradaha* or Chakdaha. Chakdaha is located between 22° 15' 47' north latitude and 88° 18' 52" east longitudes.

Presently the Municipality consists of 21 wards covering an area of 15.36 sq kms with a population of 86965 persons

Chakdaha have a rich cultural history behind. Even today remnants of its heritage is scattered all over the town. People from various religious communities have peacefully lived in Chakdaha since its birth. A number of temples, mosques and other archaeological structures are witness of the past. Once predominantly a Panchayat area under the British rules with only 5000 populations in 1885, it became a municipality on May Day 1886. John Beglar, a British Architectural engineer took the initiative to establish Chakdaha as a Municipality with Kazi Mirza Itteshamuddin as its first Chairman. 62 kms north of state capital Kolkata in the Nadia District, the Municipality is encircled by Gangaprasadpur in the north, national NH – 34 in the east Chanaduria and Rauturi Panchyat in the south.. Ganga flows as the western boundary of the Chakdaha town. Buriganga and Churni Flows through the old Chakdaha into the Ganga The Nearest town within the 10 km radius is Ranaghat; while the districts headquarter Krishnanagar is about 38 kms away. Presently the Municipality consists of 20 wards covering an area of 15.36 sq kms with a population of 86965 persons. Males constitute 51% of the population and females 49%. Chakdaha has an average literacy rate of 79%, higher than the national average of 59.5%; with male literacy of 84% and female literacy of 75%. 9% of the population is under 6 years of age. Village panchayats under it are – Chanduria I and II, Dewli, Dubra, Ghetugachhi, Hingara, Kanchrapara, Madanpur I and II, Saguna, Sarati, Silinda I and II, Simurali, Talatala I and II, Tautari.

Traffic lifeline of the Chakdaha town mainly the eastern railways connecting Kolkata through Sealdah-Krishnanagar, Sealdah-Ranaghat mainline. In 1862, when a railway was introduced in Nadia District, it also connected Chakdaha for the first item.

As per municipal record, the soil is sandy with alluvial soil found in certain places. The climate is moderate in nature, raising the summer temperature to 38° C, while the winter temperature falls down to 12° C. The average annual rainfall is about 150-160 mm.

Though agriculture was once a major economic activity, Chakdaha today is totally service sector oriented economy along with business as an unorganised informal sector. People living in this region work in the neighbouring areas and in Kolkata. Industries are almost nonexistent except a few small-scale industries mainly plastic factories. Once Chakdaha was centre of jute industry but due to the change in the course of river it lost all its glory and importance. Chakdaha was also an important center of indigo cultivation. . Many areas within the municipal area and also the surrounding places show the debris of indigo factories. In 1789, a disastrous flood washed away all the factories along the Sukhsagar. It ended the indigo cultivation in Chakdaha.

In the Chakdaha municipality small businesses are growing at a fast pace within the municipal area and constitutes a major economic base of the municipality. Population is rising at a very high speed resulting in higher and higher density of population. Lack of only seven small-scale industries implies

that the municipality has to be run on taxes collected from the middle class residents, most of whom are service persons. Very little taxes are collected from the slums and poor colonies. So, it is very difficult to improve this municipal area only on the basis of municipal taxes. Chakdaha Municipality now comprehends the situation and plans to supplement this revenue through other sources.

Governance and Organisational Structure

Chadaha has managed to keep abreast with the changing legislative and policy environment within which it operates. The entire Municipal organisation is being reoriented to address the increased pace of urbanization and the consequent changing nature of job. Decentralised functioning has been approached by constituting and formalizing Ward Committees. Several standing committees have been formed for work delegation and responsibility sharing.

The municipality undertakes almost all its obligatory functions of building plan sanction, mutation, trade license issue, drinking water supply, sanitation, garbage management, street lighting, crematorium management etc. Top priority is given to the supply appropriate drainage followed by road infrastructure and waste management.

The present staff strength of Chakdaha Municipality is 92 out of the total sanctioned posts of 127. The Municipality is into rational financial planning considering past trends and future revenue generation options. Chakdaha currently 'contracts out' work including maintenance of water supply infrastructure, photocopy and computer maintenance to different agencies.

Justification of the Proposed Project

Municipal Authority of Chakdaha wants to implement this project to provide modern, transparent and trustworthy primary health care services to the economically weaker sections and as well as the general people of Chakdaha Municipal Area.

There is no such modern X-ray diagnostic centre in and around the Chakdaha Municipal area. People of Chakdaha depend for this, on some 'high price diagnostic centres' of Ranaghat & Kalyani, which is far away from Chakdaha town. Chakdaha State General Hospital also overburdened to provide such modern diagnostic service to all the inhabitants of Chakdaha Block area including the Chakdaha Municipal area, based on the existing poor infrastructural situation of the Hospital.

As per the huge public demand, Municipal authority decides to implement this project within few months. Municipality already starts a Modern Municipal Pathological cum Poly Clinic Centre at the ground floor of Municipal Plaza of Ward no.-08 of Chakdaha Municipality. Municipality also applied for NOC from the Dist. Health Dept. and WB PCB to operate such 'municipal diagnostic centre'.

Basically many modern diagnostic instruments and machineries are required for this Municipal Pathological cum Poly Clinic Centre including a Computerised Digital X-ray machine with all necessary accessories, which have not been purchased by our municipality due to scarcity of municipal fund.

Now municipality wants to purchase this Computerised Digital X-ray machine with all necessary accessories for the Municipal Pathology cum Poly Clinic, out of the 'KUSP Accounting Reforms Incentive Fund' and Municipal Fund also.

The main justification to implement this project is to provide a modern, transparent and trustworthy primary health care and diagnostic service to the economically weaker sections and more well as the general people of Chakdaha Municipal area within the municipal town area, at a lower cost than the market.

Municipality wants to create a dependency of its citizens on Municipal Health Service system. Municipality also wants to minimise the pressure of the Chakdaha State General Hospital and to explore the CBPHCS health Services of Chakdah Municipality.

Executive Summary

Chakdaha Municipality has adopted a project to set up a Municipal PolyClinic & Pathological Centre. Project Priority No is 2 (Sl. No. -Health-1) for DDP and Sl. No.1 (Sub Comp.-Health)in ADP-2009-2010, location of the project is at Ground Floor of Municipal Plaza, beside the municipal office. This project is under Health Care Service Improvement Plan of the DDP. Objective of the project is to To purchase & install a Digital Computerised X-ray Machine for the newly set up Municipal Poly Clinic & Pathological Centre and to provide a good & trustworthy service through this to its poor citizens (Specially BPL) and as well as general people of Chakdaha Municipality.

The Project to be implemented in the Year 2011-12 and to be implemented in 2 month's time. Project Cost is estimated 1500000/- and Source of Funding: KUSP

Basically Chakdaha Municipality already starts to implement this project by setting up a Municipal Poly Clinic & Pathological Centre at the Ground Floor of Municipal Plaza, beside the Municipal Office at ward no.-08 of Chakdaha Municipality and to purchase necessary instruments, pathological goods, machineries, medicines out of Municipal Fund & others. Municipality already applied for NOC both from the Pollution Control Board, GoWB and Dist. Health and Family welfare department as per Govt. norms and regulations and Now Municipal Authority decides to purchase a Digital Computerised Modern X-ray Machine with all accessories especially for this Municipal Pathological Centre to provide a better and Trustworthy health service to its poor and general citizens by this KUSP-Acc. Reforms Incentive Fund.

Specific TOR of the Project is as follows:

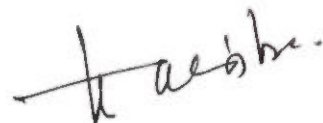
1. Technical Configuration:

- (a) Digital Computerised x-ray Machine with all accessories.
- (b) Project will be completed within two month after taking work order

(c) Project Monitoring & implementation Team

Chairman	Dr Kanak Moitra
Vice Chairman	Sri Bijan Behari Mitra
CIC Member	Smt. Nita Adikary
Health Officer	Dr. Chanchal Kr. Majumder
M.P Helper cum S.K Clerk	Sri Goutam Dhar

- (d) Chairman & Board of Councillors decision is final in any condition.



Annexure 1

A: GENERAL

1. Name of the ULB

Chakdaha Municipality

2. Nodal Officer in charge of executing the Project

Dr. C.K Majumder, Health Officer, Chakdaha Municipality

3. Name of the project

Setting up of Municipal Polyclinic & Pathological Centre.

4. DDP/ADP

a. DDP Page No: 15 & 191

b. ADP Page No: included in ADP-2011-12

5. Duration of the Project (in Months)

20 Working days require completing the process of purchase & installing a digital X-Ray Machine especially for the newly set up Municipal Poly Clinic cum Pathological Centre.

6. Project Objectives

To purchase & install a Digital Computerised X-ray Machine for the newly set up Municipal Poly Clinic & Pathological Centre and to provide a transparent & trustworthy service through this to its poor citizens (Specially BPL), economically weaker sections and as well as general people of Chakdaha Municipality.

7. Project Area

At the Ground Floor of Municipal Plaza, beside the municipal office of Ward No.-08 of Chakdaha Municipality.

8. Target group (including No of Beneficiaries)

All the Citizens of the Chakdaha Municipality, especially the Poor citizens (BPL & Economically Weaker Sections) & as well as the general people of Chakdaha Municipality, who trusts in the Primary Health Service of Chakdaha Municipality.

1. Out Puts (in measurable terms)

Chakdaha Municipality wants to provide a transparent and trustworthy- basic health services to its citizens especially the poor or marginal citizens at a lower cost than market. Municipality wants to create a dependency of its citizens on Municipal Health Service system. Municipality also wants to minimise the pressure of the Chakdaha State General Hospital and to explore the CBPHCS health Services of Chakdah Municipality.

2. Involvement of Community/ Other Stakeholders if any

Involvement of Community/other stakeholders is not decided but Municipality primarily decides to involve the Health staff of CBPHCS scheme of our ULB, the HHWs and the FTSs to this project.

3. Project Monitoring System

For proper monitoring of this project, Monitoring Committees have been set up to look after and monitor the progress of the Projects and initiatives. The indicator for monitoring progress will be completing every project within the scheduled time. The monitoring team, to monitoring the implemented project approved by Municipal authority as follows:

Chairman	Dr. Kanak Moitra
Vice Chairman	Sri Bijan Behari Mitra
CIC Member	Smt. Nita Adikary
Medical Officer	Dr. Chanchal Kr. Majumder
M.P Helper cum S.K Clerk	Sri Goutam Dhar

4. Any Other matter, not covered above

Not Applicable.

B2. For Non Engineering Projects

1. **Activity wise Cost:**

- (i) Purchase & install of 1 Digital Computerised X-Ray Machine for Municipal Poly Clinic & Pathological Centre with all accessories - Rs.1500000.00

2. **Equipment/Implement Cost:**

- (i) Purchase & install of 1 Digital Computerised X-Ray Machine for Municipal Poly Clinic & Pathological Centre with all accessories - Rs.1500000.00

3. **Administrative cost/ Running Expenses: - NIL**

4. **Total Cost:**

Rs.1500000.00 (Rupees Fifteen Lakhs Only)

B3. Total Budget for Project

From KUSP Fund: Rs. 15 lakhs (if sanctioned & released by CMU)

1. **Other Fund (if any): -**

2. **Beneficiary Contribution (if any): - N.A**


3. **Total:** Rs. 1500000.00

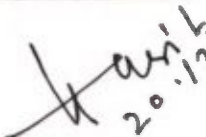
Budgetary Estimate: Purchase & install of 1 Digital Computerised X-Ray Machine for Municipal Poly Clinic & Pathological Centre with all accessories – Rs.1500000.00

Proposed Estimate

SI No	Item	Quantity	Amount (in Rs)
1.	Digital Computerised X-Ray Machine (CR System) for Municipal Poly Clinic & Pathological Centre with all accessories *.	1 no.	1500000.00
TOTAL: (Rupees Fifteen Lakhs only)			1500000.00




20/12/10
Health Officer
C.B.P.H.C.S.
Chakdaha Municipality, D.P.P.


20/12/10
Chairman
Chakdaha Municipality
Chairman
Chakdaha Municipality
Chakdaha, Nadia

* Accessories-

1. One Digitizer.
2. One Dry Laser Camera
3. Six Cassettes
4. Two Work Stations
5. Single Tray
6. Software

Technical Configuration-

Direct Digitizer

- **Exposure Size:** 14"x17"/ 14"x14"/ 11"x14"/ 10"x12"/ 8"x10"/ 18x24cm/ 24x30cm / 15x30cm and others
- **Sampling Pitch:** 2 types: 87.5/175
- **Maximum Resolution:** 4020x4892(14"x17"/87.5 m)
- **Digital Gradation Level:** 4096 levels (12bit)
- **Processing Capability:** Approx 70 plates/hour (14"x14"/175 m)
- **Cassette Feed /Load Time or Cassette Cycle Time):** Approx 40 secs
(14"x14"/175 m)
- **Reader Type:** Single slot- insert-read-erase-eject
- **Power Consumption:** AC100/115/120/200/220/230/240V+ _10%50/60 Hz approx.
1.1kW
- **Operating Conditions:** Temperature:15-30 Degree C , Humidity: 40-80% RH
(no condensation)

Console

- **Image Processing:** Automatic Gradation Processing (G processing)
Frequency Processing (F processing)
Equalization Processing (E processing)
Hybrid Processing (H processing)
- **Image Output: Maximum=** Host: 3ch for normal, 1ch for backup
Printer: 2ch for normal, 1ch for backup
CS-3 Standard Software= Host or Printer: 1ch for normal, 1ch for backup
- **DICOM Support:** Basic Grayscale Printer management (SCU)
Storage (SCU), Modality work list management, Modality
performed procedure step, Grayscale standard display function
(Print output)
- **Output Format:** 1x1, 2x1, 1x2

Control Console

- PC with Medical Grade High resolution touch Screen LCD Display

Main Options

- **Software option:** CS-3 stitching option

Cassettes Offered

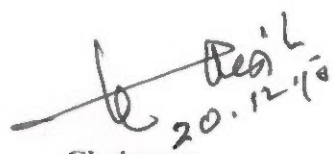
- 14 x 17: 2 No, 8x10: 2 No, 10x12: 2 No.

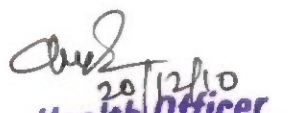
Dry Laser Printer

- **Laser Source:** Semiconductor laser

- **Film Size:**
14"X17"(35x43cm), 14"X14"(35x35cm), 11"X14"(28x35cm), 10"X12"(25x30cm) & 8"X10"(20x25cm) selectable.
- **Film:** Dry Image Recorded film SD-P/SD-PC
- **Image Format:** 1,2,4,6,8,9,12,15,16,20,24,25,30,35,36,42,48,54,56,60,63,64
- **Image memory:** Hard Disc(80GB/standard), print memory(512MB/standard)
- **Input port:** 16 ports
- **Number of pixels(14"X17"):** REGIUS connection:80799752pixel
Non REGIUS connection: 7805X933pixel
- **Pixels size:** 78.6 u(standard), 1GB memory are required & only available for 11"X14", 10"X12" and 8"X10"films.
- **Image Data input:** 8bits/12 bits
- **Output gradation:** 16384 levels(14bits)
- **Image mode:** pixel replication/Function interpolation process
- **Processing capability:** Approx 120 sheets(14"X17")/hour
- **Input interface:** Ethernet 10 base-T/100 base-TX
- **Protocol:** DICOM print management
- **Supply:** Max. 2 channels, 14 inch tray is always the 1st tray, 2nd trays are selectable (14"X17", 8"X10")
- **Standby function:** Start timer / Night time standby
- **Border Processing:** Black/White
- **Trimmed frame:** available
- **Density Correction:** Automatic via built-in densitometer
- **Positive/Negative:** Available
- **DICOM function:** Presentation LUT service class/Requested Image Size
- **Noise Level:** Printing: 55dB or less, Stand By: 55dB or less
- **Operating Condition:** 10-23 C (50-73 F)
- **Power:** 100-120V AC/220-240 V AC, 9.0-7.5 A/4.5-4.0 A
- **Heating Generation:** Approx 1200kj/hour (approx 286k cal/hour)
- **Foot print:** 0.43m
- **Dimensions:** W675XD640XH1420mm, W26.5XD25.1XH55.9inch

Enclo.- necessary rate related documents(Annex-A)


Chairman
Chakdaha Municipality
Chairman
Chakdaha Municipality
Chakdaha, Nadia


20/12/10
Health Officer
C.B.P.H.C.S.
Chakdaha Municipality

To
The Chairman ,
Chakda Municipality ,
Chakda ,
Dist :- Nadia

Annex - A
(Product & rate
details)

MEDITRONICS
SALES & SERVICES PVT. LTD.

Qtn No. : MSSPL/KOL/004/2009

Dated : 21. 04. 2009

Dear Sir,

Manufacturer : KONICA-MINOLTA (Japan)

In response to your inquiry for your requirement of CR System (Digital X-ray), we are pleased to submit you our quotation for model REGIUS 110(Digitizer) and DYPRO 832(Dry Laser Camera).

TECHNICAL SPECIFICATIONS

Direct Digitizer REGIUS Model 110

- ❖ **Exposure size:**
14"x17" / 14"x14" / 11"x14" / 10"x12" / 8"x10" / 18x24cm / 24x30cm / 15x30cm and others
- ❖ **Sampling Pitch:**
2 types : 87.5 / 175
- ❖ **Maximum Resolution:**
4020 x 4892 (14"x17" / 87.5µm)
- ❖ **Digital Gradation Level:**
4096 levels (12bit)
- ❖ **Processing Capability:**
Approx. 70 plates/hour (14"x14"/175µm)
- ❖ **Cassette Feed / Load Time or Cassette Cycle Time):**
Approx. 40 secs (14"x14" / 175µm)
- ❖ **Reader Type:**
Single slot – insert-read-erase-eject
- ❖ **Power Consumption:**
AC100/115/120/200/220/230/240V ±10% 50/60Hz approx. 1.1kW
- ❖ **Operating Conditions:**
Temperature : 15-30°C
Humidity : 40-80% RH (no condensation)

REGIUS Console CS-3:

- ❖ **Image Processing:**
Automatic gradation processing (G processing)
Frequency processing (F processing)
Equalization processing (E processing)
Hybrid processing (H processing)

Contd.....

Regn. Off. : 3 Royd Lane (1st Floor), Kolkata - 700 016 ● PH. : 033-2265 2795, 3240 6656 ● Telefax : 033-2265 2795
● e-mail : meditronics@vsnl.net

Head Off. : 101 Shiv Ind. Estate, K. B. B. Marg, Near Chinchpokli Station (E), Mumbai - 400 012 (INDIA)
PH : 2371 9143/2377/1739 ● Fax : 022-2379 1272 ● e-mail : medicoi@bom3.vsnl.net.in
website <http://www.meditronicsasia.com>

Image Output:**Maximum**

Host : 3ch for normal, 1ch for backup

Printer : 2ch for normal, 1ch for backup

CS-3 Standard Software

Host or printer : 1ch for normal, 1ch for backup

❖ DICOM Support:

Basic grayscale print management (SCU)

Storage (SCU)

Modality worklist management

Modality performed procedure step

Grayscale standard display function (print output)

❖ Output Format:

1x1, 2x1, 1x2

• Control Console :

PC with Medical Grade High resolution touch Screen LCD Display.

• Main Options:

Software option

CS-3 stitching option

• Cassettes Offered:

14 x 17 : 2 No

8 x 10 : 2 No

10 x 12 : 2 No

SPECIFICATIONS OF DRYPRO MODEL 832(DRY LASER PRINTER)

Laser Source	Semiconductor laser
Film Size	14"X17"(35x43cm), 14"X14" (35X35cm), 11"X14" (28X35cm), 10"X12"(25X30cm) and 8"X10" (20X25cm)selectable.
Film	Dry Image recorded film SD-P/SD-PC
Image format	1,2,4,6,8,9,12,15,16,20,24, 25,30,35,36,42,48,54,56,60,63,64
Image memory	Hard disk(80GB/standard), print memory(512MB/standerd
Input port	16 ports(max)
Number of pixels (14"X17")	REGIUS connection: 8079X9752pixel None REGIUS connection:7805X9336pixel

Pixels size	78.6 u (standard) ,1GB memory are required And only available for 11"X14",10"X12"and 8"X10"flims.
Image data input	8 bits/12 bits
Output gradation	16384 levels(14bits)
Image mode	Pixel replication/Function interpolation process
Processing capability	Approx.120 sheets(14"X17")/hour
Input interface	Ethernet 10 base-T/100 base-TX
Protocol	DICOM Print Management
Supply	Max.2channels.14 inch tray is always the 1 st tray, 2 nd trays are Selectable (14"X17", 8"X10")
Standby function	Start timer / Nighttime standby
Border processing	Black/White
Trimmed frame	Available
Density Correction	Automatic via built-in densitometer
Positive/negative	Available
DICOM functions	Presentation LUT service class/Requested Image Size
Noise Level	Printing :55dB or less, Stand By :55 dB or less
Operating condition	10-23 ⁰ C (50-73F)
Power	100-120 V AC/220-240 V AC,9.0-7.5 A/4.5-4.0 A
Heating generation	Approx.1200kJ/hour(approx.286kcal/hour)
Foot print	0.43m ²
Dimensions	W675XD640XH1420mm W26.5XD25.1XH55.9inch

Print Sizes

Single Tray

(For X-Ray , USG/DOPPER, CT,MRI)

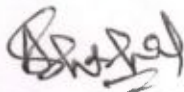
**PRICE : Regius 110 (Digitizer) + Dry Pro 832 (Dry Laser Camera) + 6 Cassettes
+ 2 Work Stations + Single tray + Software**

PRICE : Rs.15,000,00.00 (Rupees Fifteen Lacs Only)

Looking forward to receiving your valued order at the earliest.

Thanking you

For Meditronics Sales & Services Pvt. Ltd.



Arindam Ghoshal



MEDITRONICS
SALES & SERVICES PVT. LTD.

To,
The Chair Man,
Chakda Municipality,
Chakda,
Dist :- Nadia

Qtn No. : MSSPL/KOL/005/2009
Dated : 21/04/2009

Dear Sir,

Manufacturer : KONICA-MINOLTA (Japan)

In response to your inquiry for your requirement of CR System (Digital X-ray), we are pleased to submit you our quotation for model **REGIUS 110(Digitizer) and DYPRO 873 (Dry Laser Camera)**.

TECHNICAL SPECIFICATIONS

Direct Digitizer REGIUS Model 110

- ❖ **Exposure size:**
14"x17" / 14"x14" / 11"x14" / 10"x12" / 8"x10" / 18x24cm / 24x30cm / 15x30cm and others
- ❖ **Sampling Pitch:**
2 types : 87.5 / 175
- ❖ **Maximum Resolution:**
4020 x 4892 (14"x17" / 87.5µm)
- ❖ **Digital Gradation Level:**
4096 levels (12bit)
- ❖ **Processing Capability:**
Approx. 70 plates/hour (14"x14"/175µm)
- ❖ **Cassette Feed / Load Time or Cassette Cycle Time):**
Approx. 40 secs (14"x14" / 175µm)
- ❖ **Reader Type:**
Single slot – insert-read-erase-eject
- ❖ **Power Consumption:**
AC100/115/120/200/220/230/240V ±10% 50/60Hz approx. 1.1kW
- ❖ **Operating Conditions:**
Temperature : 15-30°C
Humidity : 40-80% RH (no condensation)

Contd.....

Regn. Off. : 3 Royd Lane (1st Floor), Kolkata - 700 016 • PH. : 033-2265 2795, 3240 6656 • Telefax : 033-2265 2795
• e-mail : meditronics@vsnl.net

Head Off. : 101 Shiv Ind. Estate, K. B. B. Marg, Near Chinchpokli Station (E), Mumbai - 400 012 (INDIA)
PH : 2371 9143/2377/1739 • Fax : 022-2379 1272 • e-mail : medicol@bom3.vsnl.net.in
website <http://www.meditronicsasia.com>

- ❖ **Image Output:**
Maximum
 Host : 3ch for normal, 1ch for backup
 Printer : 2ch for normal, 1ch for backup
CS-3 Standard Software
 Host or printer : 1ch for normal, 1ch for backup
- ❖ **DICOM Support:**
 Basic grayscale print management (SCU)
 Storage (SCU)
 Modality worklist management
 Modality performed procedure step
 Grayscale standard display function (print output)
- ❖ **Output Format:**
 1x1, 2x1, 1x2
- **Control Console :**
 PC with Medical Grade High resolution touch Screen LCD Display.
- **Main Options:**
 Software option
 CS-3 stitching option
- **Cassettes Offered:**
 14 x17 : 2 No
 8 x 10 : 2 No
 10 x 12 : 2 No

SPECIFICATIONS OF DRYPRO MODEL 873 (DRY LASER PRINTER)

Dry Laser Printer DRYPRO Model 873 – Fastest & Smallest

- **Size Printing Capability** : 14"X17"(35x43cm), 14"X14"(35X35cm),
 and 3 Tray 11"X14"(28X35cm), 10"X12"(25X30cm) and
 8"X10"(20X25cm) selectable.
- **High Quality Image** : A semiconductor laser and precision optics are
 merged to produce 78.6µm/43.75µm pixel size
 resulting in sharp, high-definition films.
- **User Friendly Operability** : A clearly visible status light changes color to indicate
 "Ready", "Printing", and "Film Empty" conditions.
- **Centralized Printer** : Compatible with MRI, CT, USG & X-Ray
- **High Printing Speed** : Less than 25 Seconds
- **Environment-Friendly** : The excellent low noise design assures a pleasant
 environment.
- **Supply** : 3 Online Trays : 1st Tray : 14x17, 2nd Tray : 11 x 14
 3rd Tray : 8 x 10

REGIUS Console CS-3:

❖ **Image Processing:**

Automatic gradation processing (G processing)
Frequency processing (F processing)
Equalization processing (E processing)
Hybrid processing (H processing)

REGIUS Console CS-3 – Easy, Simple, but Smart!

- | | |
|---|--|
| • Highest Quality Image Processing | : Hybrid processing (H processing)- with Konica only
Automatic gradation processing (G processing)
Frequency processing (F processing)
Equalization processing (E processing)
You can get clear image of bone as well as soft tissue |
| • User Friendly | : Easy User friendly Control Panel. |
| • Multi Reader Control | : REGIUS 110/190 16 units and REGIUS 370 1unit |
| • Better real-time display | : Shorter time from exposure to image checking is important for the user's efficiency. |
| High Resolution | : 17" LCD Monitor |

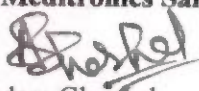
**PRICE : Regius 110 (Digitizer) + Dry Pro 873 (Dry Laser Camera) + 6 Cassettes + 3 Tray
+ 2 Work Stations with CS3 Software : Rs.17,00,000.00
(Rupees Seventeen lacs only)**

Looking forward to receiving your valued order at the earliest.

Thanking you

Yours Faithfully

For Meditronics Sales & Services Pvt. Ltd.


Arindam Ghoshal

TERMS & CONDITIONS

PRICES:

The quoted prices are on F.O.R. destination basis.

TAXES/DUTIES:

- VAT Tax @ 4% is included in the price offered.

PAYMENT:

- 25% Advance alongwith Official Order
- Balance (In full) against after Delivery & Installation .Payment should be made In favoring of "Meditronics Sales & Services Pvt. Ltd.," Payable at Kolkata.

DELIVERY:

45 - 60 days after receipt of confirmed order along with advance.

VALIDITY:

This offer is valid for acceptance upto 45 days from the date here of.

WARRANTEE:

- The quoted equipment carries warrantee of 12 months from the date of installation against any manufacturing defect only. But in any case not later then 15 months from the date of supply whichever is less.
- The warrantee is in lieu of all other warrantees, expressed or implies and does not cover consequential damage, defects resulting from accident, mishandling attempted repairs by unauthorized personnel or normal wear and tear.

INSTALLATION:

The company will carry out the installation FREE OF COST.

SERVICE:

Installation and after sales service will be provided by us

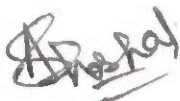
FORCE MAJOUR CLAUSE:

The indicated delivery period is subject to Force Majour conditions.

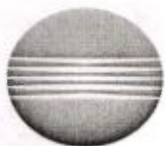
LEGAL JURISDICTION:

All disputes are subject to the jurisdiction of Mumbai Court.

For Meditronics Sales & Services Pvt. Ltd.



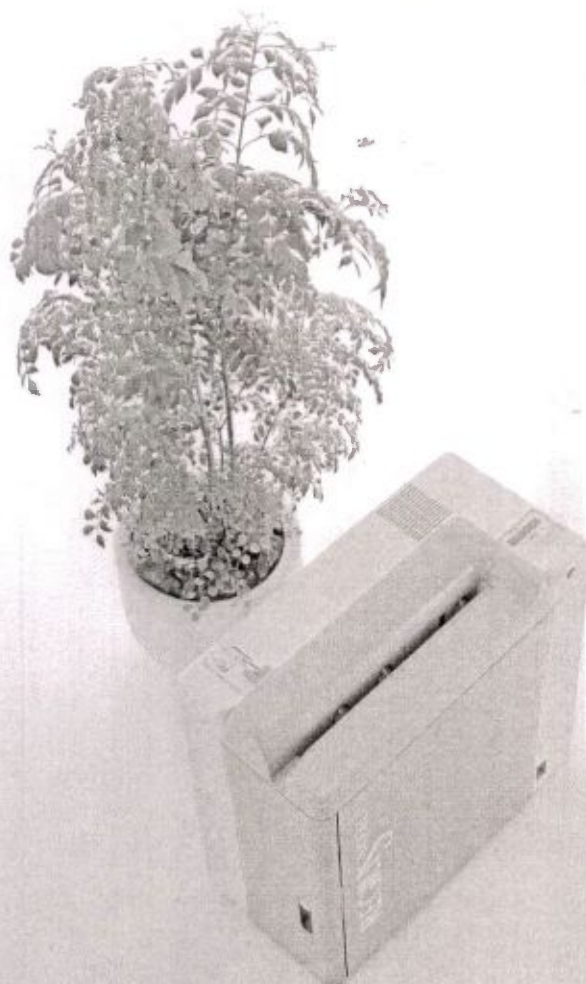
Authorized Signatory



KONICA MINOLTA

DIRECT DIGITIZER

REGIUS MODEL 110



The essentials of imaging

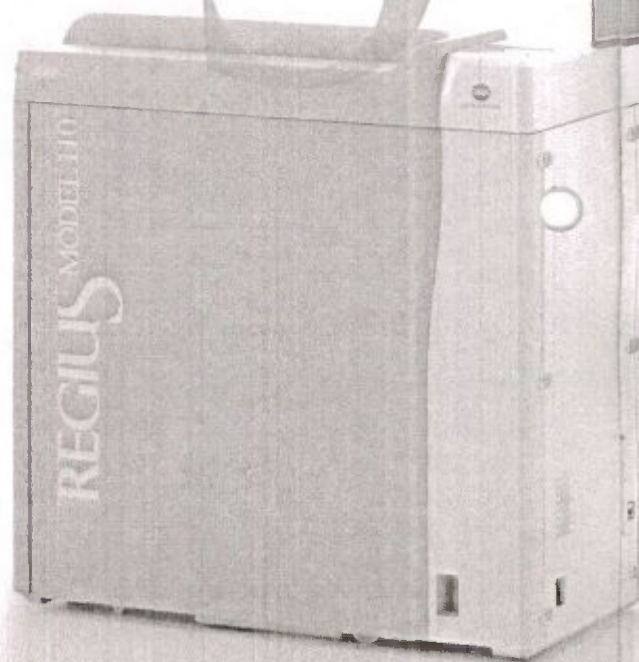


COMPACT & SPEEDY

DIRECT DIGITIZER

REGIUS

MODEL 110



M A G I N G



More Accessible

Sophisticated, exquisite form.

Space-saving design in a compact size.

Sufficient throughput for higher department efficiency.

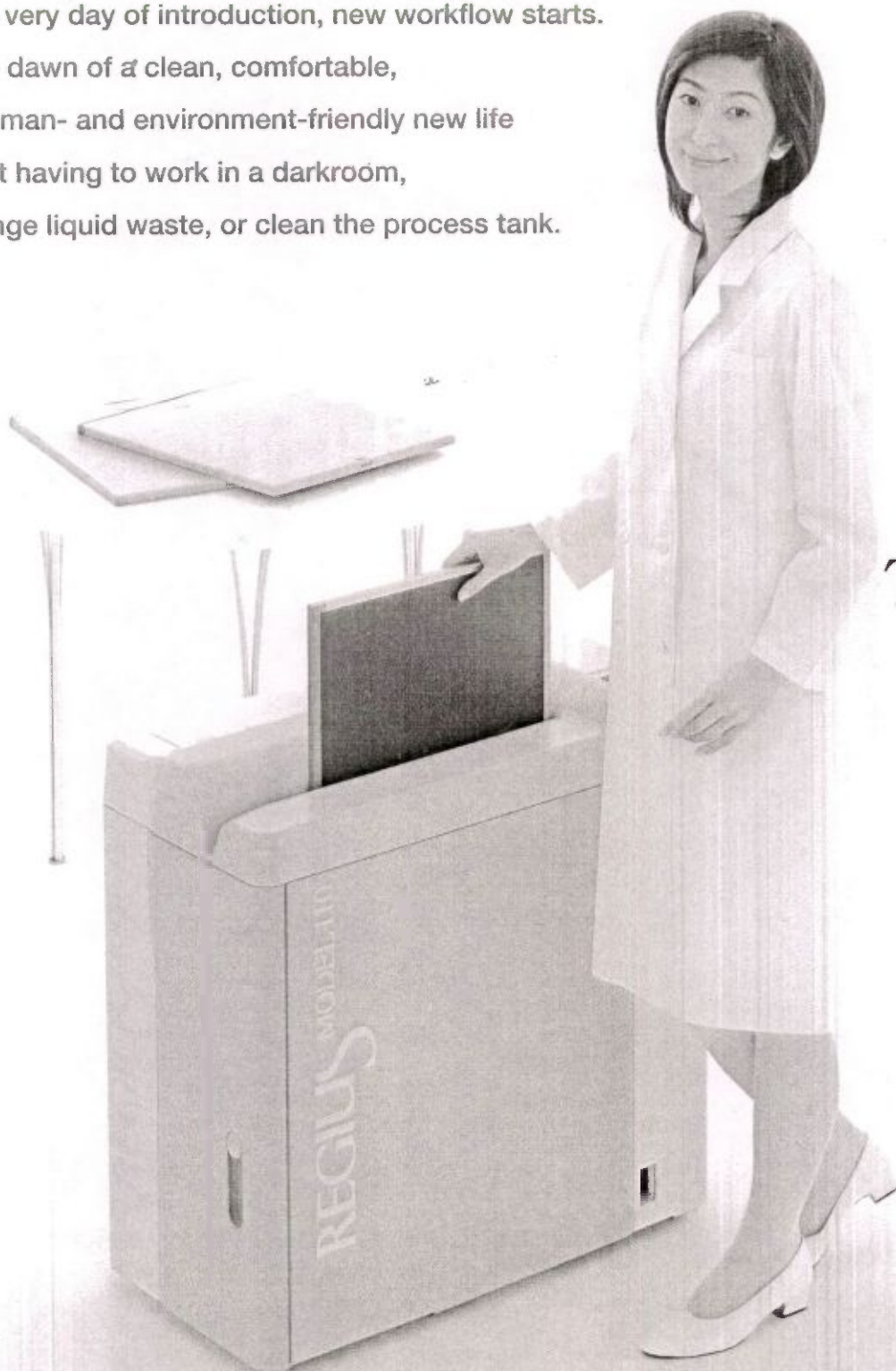
Dramatically evolved new Regius
maintaining high-quality diagnostic images.

A CR that is this accessible is hard to find.



COMPACT & SPEEDY

On the very day of introduction, new workflow starts.
It's the dawn of a clean, comfortable,
and human- and environment-friendly new life
without having to work in a darkroom,
exchange liquid waste, or clean the process tank.

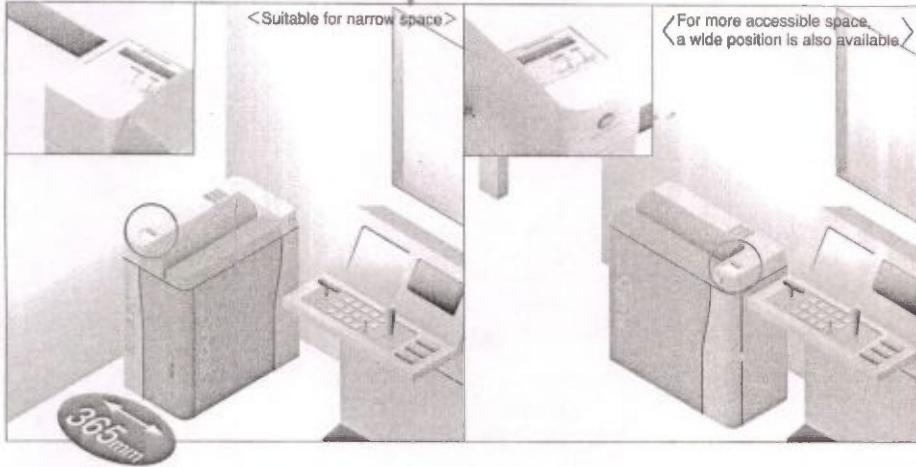


The Slim,

READER

■Flexible Placement Options

Operation panel location is adjustable at the user facility.



Compact Body Accepts a Variety of Work Styles

Compact Design with the Smallest Depth of 365mm

The Regius Model 110 features an astonishingly compact design with a footprint of only 0.27m². The two-way setting method allows selection of two patterns of layout depending on the use environmentally friendly. These proposals prove that we truly understand customer use environments.

Entirely Simple, Comfortable Operability

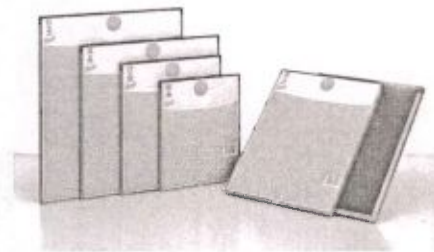
The Regius Model 110 allows for easy operation with the simple installation of an exposed cassette. The height of the cassette slot is 710 mm. Easy cassette installation is achieved. Continue to use existing cassettes for the Regius 170/190 as exposure cassettes.

*Only cassette & plate which was produced after April, 2004 can be used.

Compact, Speedy, and Powerful

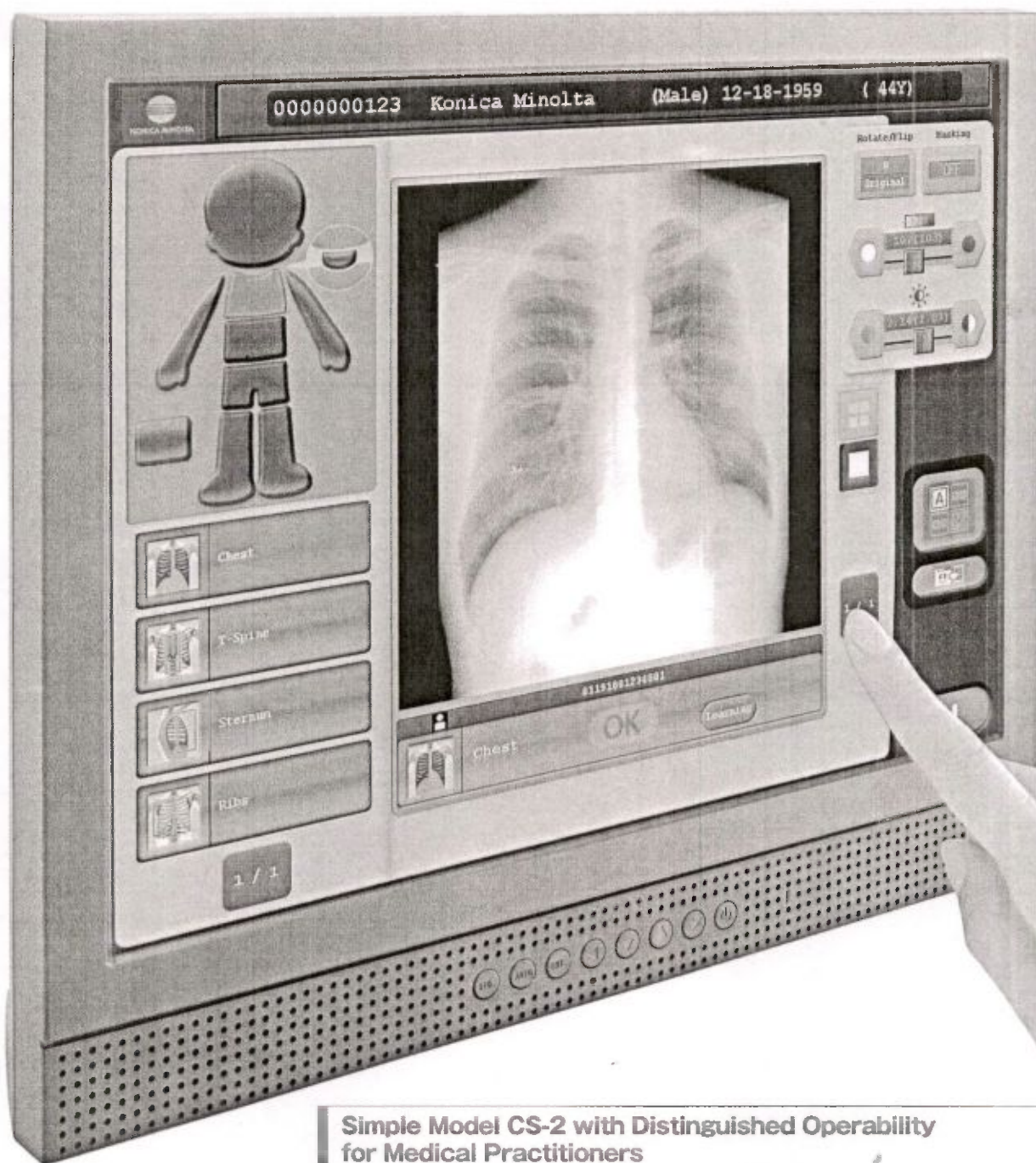
The Regius Model 110 delivers processing performance of 80 sheets/hour, achieving a high-speed processing cycle of 45 seconds/plate.

This is the smallest, top-of-the-line Regius model with both compact design and high performance.





COMPACT & SPEEDY



all

**Simple Model CS-2 with Distinguished Operability
for Medical Practitioners**

This Regius console features a user-friendly screen layout with intuitive, easy operability and a body shaped icon. The image-processing functions provide optimal images by body part. In addition, the unit stores information on adjusted image density and contrast, automatically customizing the finished images to suit the customer's needs.

C O N S O L E

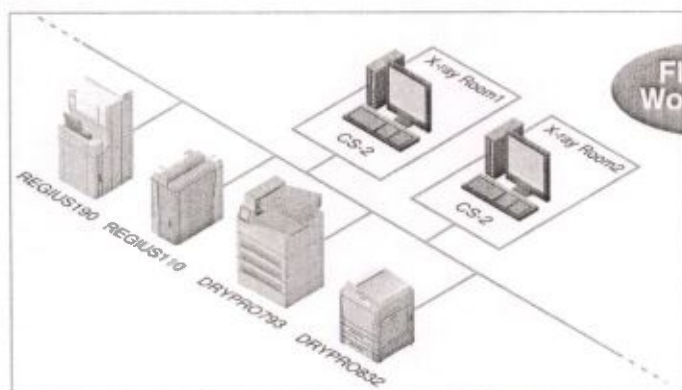
Professional Model CS-3[®] with User Customization Function

This is a high-end model with a multi-reader connection structure and an exposure condition key edit function. With user tools, execute such editing tasks as adjusting the image processing settings and output condition settings by body part. Abundant options and functions such as long integrated processing and coordination with X-ray equipment are also available.

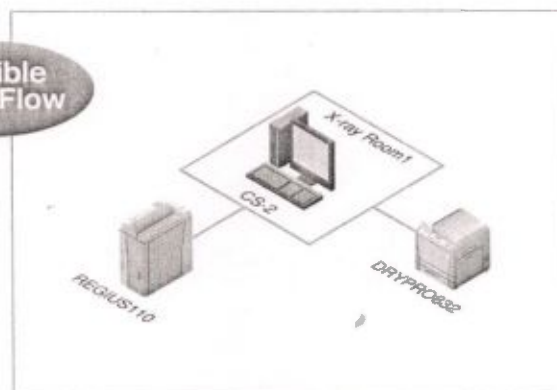


Our numerous console variations enable customers to use the Regius Model 110 as needed for complete customer satisfaction.

Any configuration will be available.



■ For handling over-flow patient
Regius 110 will be fully compatible with your existing console. It will provide true redundancy.



■ For new introduction of CR
We recommend one (1) unit of Regius 110 is connected one (1) unit of Drypro 832. This is a powerful yet simple configuration.

Direct Digitizer REGIUS MODEL 110

■ Exposure Size

14"X17" / 14"X14" / 11"X14" / 10"X12" / 8"X10"
35.5cm / 24X30cm / 15X30cm and other sizes

■ Sampling Pitch

2 types: 87.5 μ m / 175 μ m

■ Maximum Resolution

4020X4892 (14"X17" / 87.5 μ m)

■ Digital Gradation Level

4096 levels (12bit)

■ Processing Capacity

approx. 80 plates / hour (14"X14" / 175 μ m)

■ Cassette Feed / Load Time or Cassette Cycle Time

approx. 45 seconds (14"X14" / 175 μ m)

■ Outer Dimensions / Weight

W740 X D365 X H747mm / approx. 100kg

■ Power Consumption

AC100 / 110 / 115 / 120 / 200 / 220 / 230 / 240 V \pm 10%
50 / 60 Hz approx. 0.8kVA

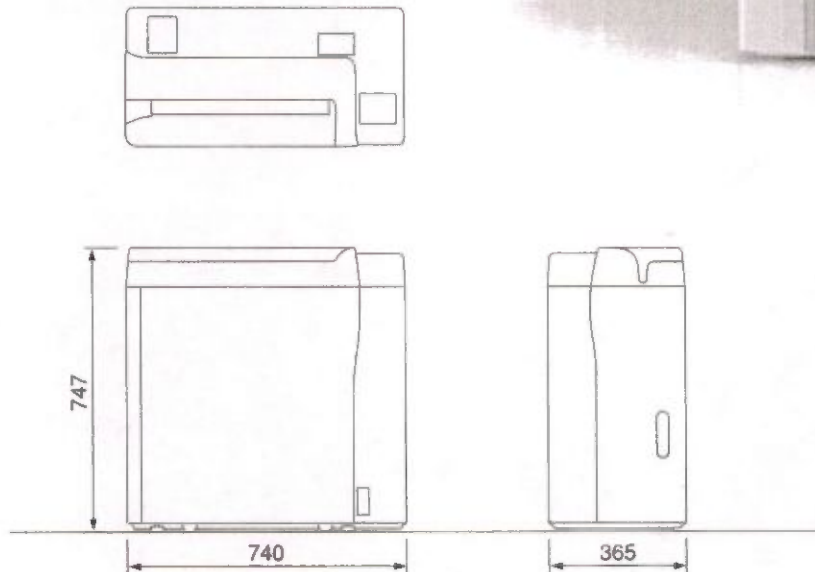
■ Operating Conditions

Temperature: 15-30°C

Humidity: 35-80%RH (no condensation)



REGIUS MODEL 110 Outer Dimensions



Unit: mm 1/20 scaled

★ Specifications are subject to change without prior notice.



KONICA MINOLTA

KONICA MINOLTA MEDICAL & GRAPHIC, INC.

No.1, Sakura-machi, Hino-shi, Tokyo, 191-8511, Japan

Distributed by :



KONICA MINOLTA

LASER IMAGER
DRYPRO
MODEL 832



The essentials of imaging

SMALL AND SOPHISTICATED

Konica Minolta technology pursues the ultimate performance in dry medical laser imagers. With the DRYPRO 832, superior image quality, ultra-high speed printing and increased cost effectiveness are all included in this very compact laser imager.

The DRYPRO 832 dry laser imager is more than just a compact printer. It delivers excellent productivity, boasting an unparalleled time to first print of 50 seconds and support of five film sizes - from 14X17 in. to 8X10 in. This full-spec, "tabletop," laser imager doesn't sacrifice performance or versatility.



DRYPRO

MODEL 832

World's fastest first printing time^{*1}

Time to first print, a major speed and productivity parameter, has been greatly improved to a short 50 seconds, dramatically enhancing productivity and workflow.

^{*1}: as of March 2007

Five film sizes and two trays^{*2}

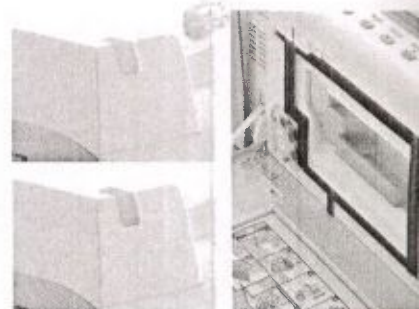
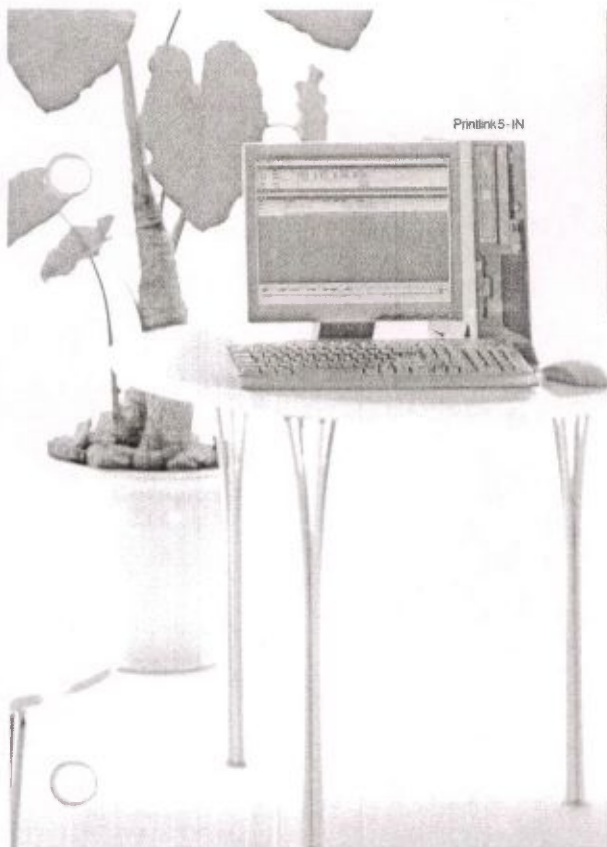
Five film sizes are available (14×17 in., 14×14 in., 11×14 in., 10×12 in., and 8×10 in.) And by installing an additional film supply tray, two film sizes can be used at the same time, for example, 14×17 in. and 11×14 in., or 14×17 in. and 8×10 in..

^{*2}: Optional

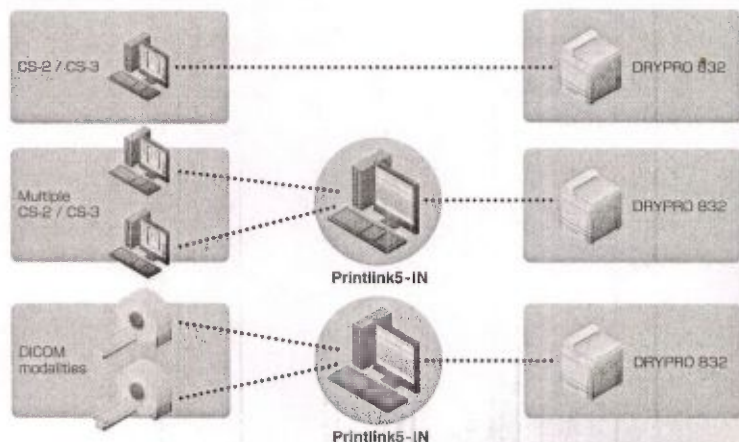
User-friendly

The DRYPRO 832 is very user friendly. It is easy to use, warms up quickly and is very quiet.

A clearly visible status light changes color to indicate "Ready", "Printing" and "Film Empty" conditions.



Example for Connectivity Layout



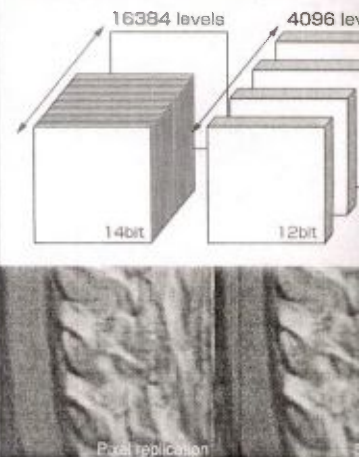
Stable operation with no HDD

Hard drives store system software and data and, with that, there is always a risk that the disc will crash, bringing operation to a standstill. With the DRYPRO 832, we have eliminated the hard drive and introduced a design where the essential system software is run from compact flash memory and image data is managed by an external computer (CS-2/3 or Printlink5-IN), thereby contributing to stable operation.

Networking by Printlink

With its flexible networking capability, the Printlink print management system provides the ideal output solution in a variety of environments, enabling output from multiple Regius consoles (CS-2/3) and printing from DICOM modalities. By using Printlink IV / ID (sold separately), you can also connect to non-DICOM modalities.

Comparison of density resolution

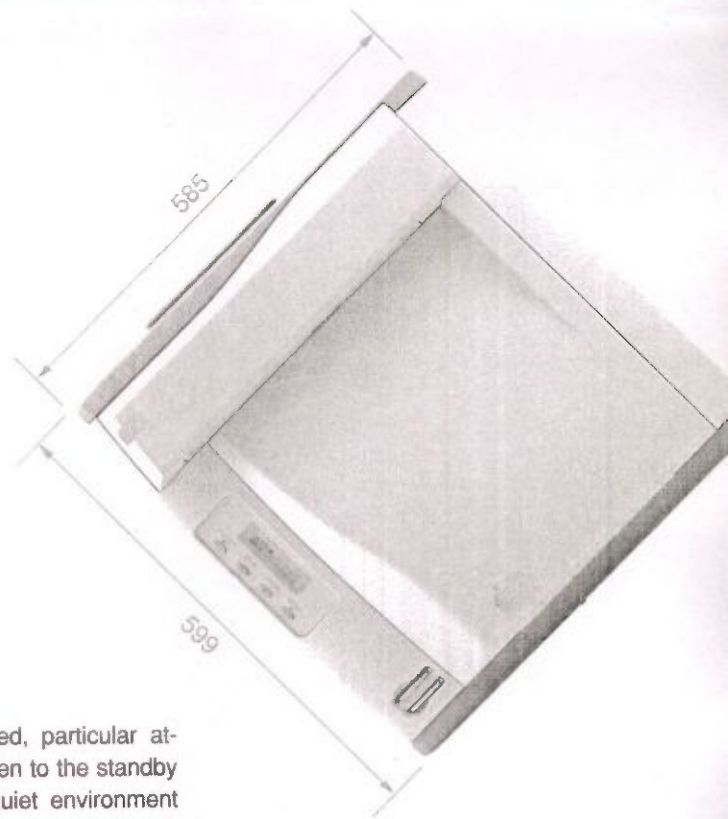


Environment-friendly design

The excellent low-noise design assures a pleasant environment. The actual running noise has been tuned to a low tone with a reduced high-temperature range, so that it gives the impression of being quieter than it actually is. While the overall noise



has been suppressed, particular attention has been given to the standby noise, ensuring a quiet environment for clinics where standby operation accounts for most of the usage time.



Storing and Handling Dry Film

Dry image recording film SD-Q / SD-QC does not require a WET process. When storing and handling film, be sure to observe the following.

1. Storing and handling unused film

After confirming that film is packaged, store unused film, like ordinary film, in a cool, dark place (recommended temperature: 10-23°C (50-73°F)) where it will not be affected by radiation. If film is stored in a place where temperature is more than 30°C (86°F) for a long period of time, the quality of the film may change. When storing film in a film storage, it should be stored in a place where temperature is not likely to rise.

2. Storing and handling processed film (image)

(1) As heat-processed-type film is susceptible to high temperature or strong sunlight even after it's processed, it should be stored in a cool, dark place. When storing film for a long period of time, be sure to place it in a film bag and store it in a place where temperature is 25°C (77°F) or below. The rise in density or discoloration may occur more frequently as the temperature rises.

(2) If the film is stored at a temperature of 40°C (104°F) or higher, this may cause density changes or discoloration even over a short period of storage. Avoid leaving the film in a car

in daytime, or using it with a hot lamp etc.

(3) As the film is susceptible to strong sunlight as well as temperature, avoid exposing it to direct sunlight, or leaving it on a viewing screen for a long time.

Dry film should not be cleaned with alcohol or cleaning agents that may cause density blotching and other defects. The film is resistant to water, so it may be cleaned with a soft cloth dampened with water.



available 5 sizes

High-quality images

A semiconductor laser and precision optics are merged to produce 78.6μm pixel size resulting in sharp, high-definition films.

The DRYPRO 832 accepts 8-bit or 12-bit data and outputs with 14-bit density resolution to accurately reproduce the highest resolution images such as those from Regius CR.

Stable finished quality

The DRYPRO 832's density control function maintains the output density by automatically measuring a small density patch on every film.

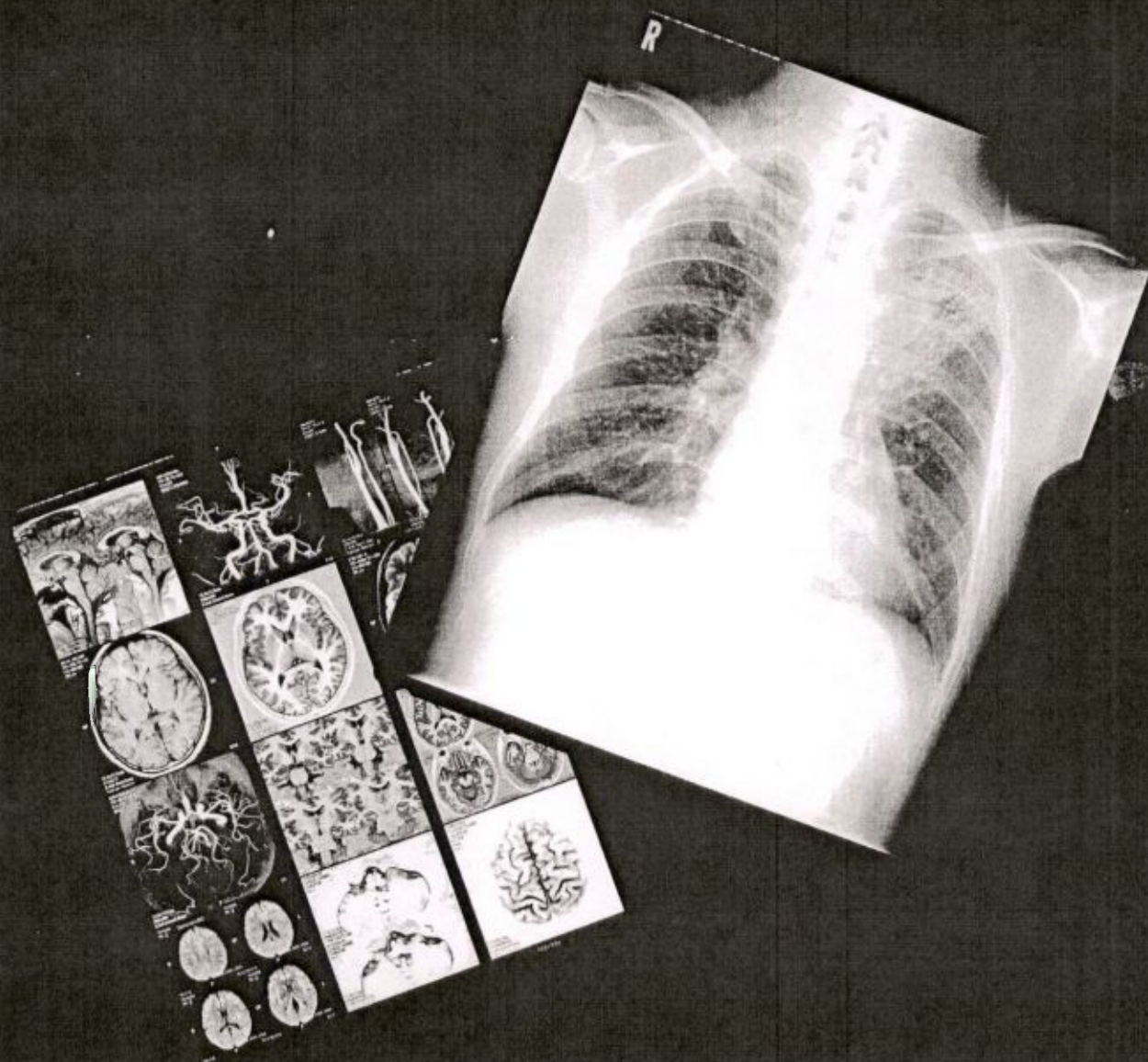
The system also automatically calibrates itself whenever a new box of film is loaded.



Density patch section



Calibration sheet



C O M P A C T & F U L L S P E C .

The DRYPRO 832 occupys a mere 0.35m²
enabling more efficient use of space.



KONICA MINOLTA

LASER IMAGER
DRYPRO
MODEL 873



The essentials of imaging

Fastest and smallest in the world

World's fastest drive power^(*)

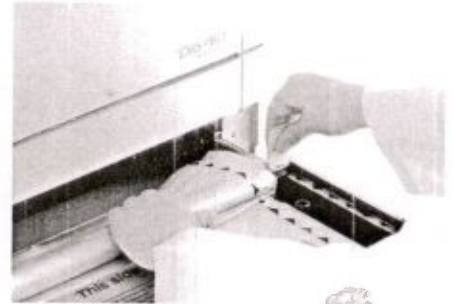
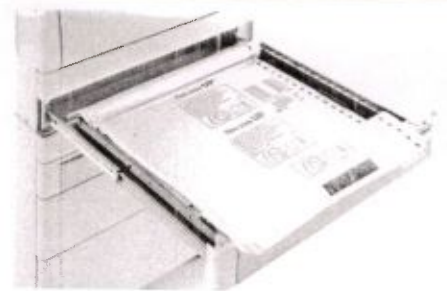
By adopting a number of new technologies, the first printing time, for which a user has to wait at shooting, has been reduced significantly to about 50 seconds. Also, the compact body, which resembles a small copier, offers the same high performance as the large flagship machine. By processing approximately 180 sheets (mixed sizes) per hour, the unit contributes to the steep rise in the productivity of printing work.

^(*): As of August 2008

Fully compatible with five sizes and the world's smallest design^(*)

The unit comes in less imposing compact body with 1150 mm in height and commands only 0.35 m² for an installation area while providing five sizes of printing film ranging from 14"x17" to 8"x10". Since it supports the main film sizes, it is possible to run a life-size printing operation. Also, it can support additional supply units of up to 3 trays. Film size can be selected depending on the purpose.

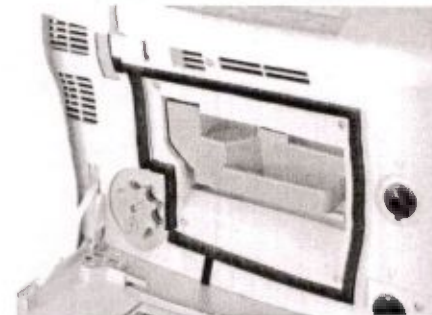
^(*): Footprint as of August 2008



The mechanism, size, touch..... all frie

User-friendly quiet design

The excellent design means the unit emits less noise for a user-friendly working environment. The actual noise is tuned to the lower tones with little high-frequency tones, making users feel the unit is quieter than the actual noise level. The overall noise, especially noise during the standby run, has been reduced. Even where the standby run is often used as an imager for the filmless era, it can provide a quiet working environment.



Thoroughly pursued ease of use

To realize user-friendly ease of use, we pursued easy, simple operation to allow users to intuitively grasp the body's condition. Status indicators, such as Film Empty, can be visibly recognized from a distance and the tray selection direct button at film setting have been adopted. Also, ease of operation has been realized like simple film setting with little mechanical operation.



Full options for various purposes

The standard film supply uses two trays but up to three trays can be optionally mounted. An additional optional film supply tray for the DRYPRO 873 (five sizes from 14"x17" to 8"x10") is available, and any combination is possible depending on the purpose. Also, the 6-channel sorter is available, which is useful for sorting after printing.

Design for 30% energy saving

The dry imager involves heat processing in the imaging step. Konica-Minolta is aggressively tackling eco-friendly technology. In the usual printing operation, we managed to achieve a 30% reduction in electricity consumption compared with previous types^(*), realizing earth-friendly ECO dry.

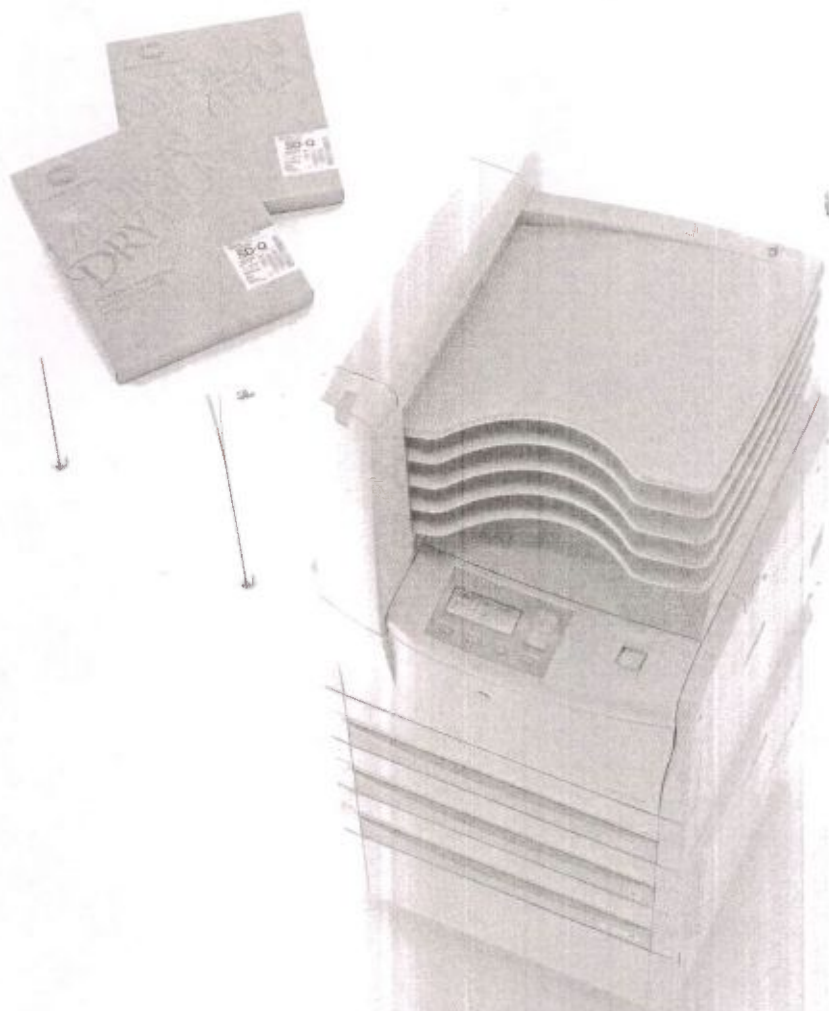
*3: 8 hours/day, printing of 100 sheets

ly for humans

Stable operation without HDD

The hard disk stores system data; however, there is a risk that any damage to the disk will cause the operation of the equipment to halt. With the DRYPRO 873, we changed the system configuration that activates the basic system software from memory and saves the image data to an external PC^(*). This change made it possible to eliminate the HDD from the body, contributing to stable system operation.

*4: ImagePilot, CS-2/3, ACIES, PrintlinkS-IN



Not just compact ...

Not just fast ...

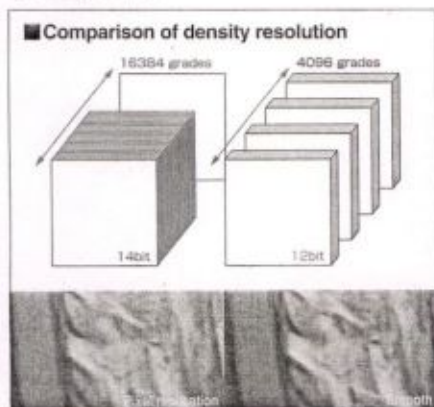
The genuine ease of use and the feeling of safety were the goal.

The appearance represents user friendliness that creates a new dimension.

PERFORMANCE

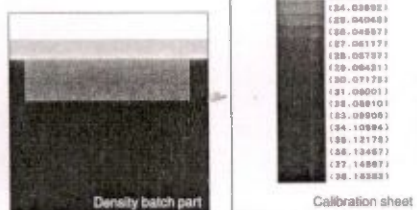
Provision of high-quality images

The image interpolation processing (pixel replication/function interpolation) has been enhanced, and intensity conversion processing has been adopted, which automatically recognizes images and letters in the images, executes proper processing, and displays smooth images and sharp letters.



Consistent quality finish

The DRYPRO 873 has an automatic density control function that prints constant exposure density batch onto the film, automatically measures the density with the built-in density meter, and controls the finishing density. Furthermore, the automatic calibration at film exchange enables image printing with consistent image quality.



Imaging Film SD-Q/SD-QM

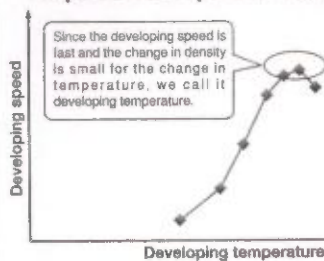
As for films for CR/modality (SD-Q) and digital mammography, the silver ion capacity that is pivotal for image formation on dry films has been greatly boosted and the ingredients of developer have changed to achieve highly sensitive, fast developing. As a result, sharp, stable images are swiftly provided.

One pack of daylight package contains 125 sheets that can be handled under room light. Both blue base and clear base are available depending on the purpose.



Unparalleled image stability and fast technology The pursuit of dry image quality has now evolved

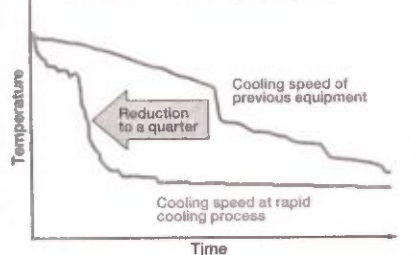
Temperature and speed of development



Reasons for fast printing Fast heat developing process

With the DRYPRO 873, the developing process has been fully reviewed to respond to fast and mass volume processing. Pre-heating the film from the early stage of film transfer is to be implemented. In addition to reducing unstable temperature areas when heating films, fast mass volume processing and excellent density stability have been achieved by dividing the heat developing part into five parts and closely controlling the process. Ten sheets of 14"x17"-size film can be printed within four minutes.

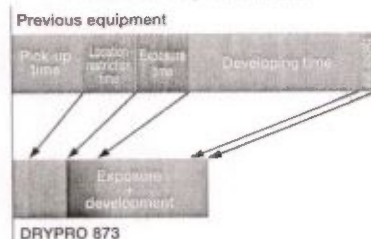
Comparison of cooling speed



It is fast so it is small. Rapid cooling process

To increase the printing speed, in addition to increasing the speed of image formation, a completely new control has been added to the cooling process that comes at the end of printing. To rapidly cool films after image formation, a film temperature history control system that controls both heating and cooling has been adopted. By accurately halting heat development and greatly increasing the cooling speed and time (some quarter) compared with previous equipment, stable quality images can be swiftly obtained even in centralized processing. In addition to the speed, the increased cooling speed has enabled the drastic downsizing of the unit, contributing to the compact body size.

Reduction in print out time



It is small so it is fast. The shortest film pass structure

To realize the compact body and the fast/mass volume processing, the hardware for the DRYPRO 873 has been overhauled. Various approaches to the compact imager, such as adoption of feed roller of film supply unit and adoption of the plate-method heating unit, have contributed to creating the shortest film pass structure. Speed and compactness have been realized.

T E C



For digital mammography

The combination of the optical unit (43.75 μm) that enables detailed recording and the newly developed image recording film SD-QM can support a maximum density 4.0D. As for daily maintenance of mammography, this imager can support mammography QC patterns for film density control and can clean roller dust, which is an ideal response to digital mammography.

* Cleaning is recommended every 2000 sheets.

d into a new dimension.

The first printing time is about 50 seconds.

With the world's fastest dash speed,

this imager can print 10 sheets of 14"x17"-size film within 4 minutes.

The sufficient recording capacity exerts its power for usual modalities as well.

The excellent stability provides high-quality images.

H N O

L O

SPEC. & NET

The network function and substantial specs th
and flexible imaging environment into account

Specifications for the DRYPRO MODEL 873

Laser source:	semiconductor laser	Input interface:	Ethernet 1000base-T
Film size:	Selectable from 14"X17"/14"X14"/11"X14"/10"X12"/8"X10"	DICOM Support:	DICOM Print Management Service Class, Presentation LUT Service Class ... (For details, refer to DICOM conformance statement)
Films to be used:	dry image recording films, SD-Q/SD-QC/SD-QM	Supply:	Two channels standard, maximum of three channels (option)
Image format:	1,2,4,6,8,9,12,15,16,20,24,25,30,35,36,42,48,54,56,60,63,64	Standby function:	Transfers to energy-saving mode after pre-set time for none-printing Boot time from the energy-saving mode is less than three minutes.
Image memory:	compact flash (standard 128MB) Main memory (256 MB) Print memory (256 MB)	Border processing:	Black/white
Input port:	maximum 16 ports	Image trimming frame:	Possible
Matrix (14X17):	REGIUS connection: 8079 X 9725 pixels (at 43.75 μ m) Connection other than the REGIUS: 7730 X 9260 pixels (at 43.75 μ m)	Density correction function:	Built in the body
Matrix size:	78.6 μ m/43.75 μ m	Negative/Positive:	Available
Image data input:	8-bit, 12-bit	Noise level:	Less than 53 db when printing/less than 46 db in standby
Output grades:	16384 grades (14-bit)	Footprint:	0.35 m ²
Image mode:	Pixel replication/function interpolation (with intensity conversion process function)	Operation conditions:	15°C to 30°C (59°F to 86°F), 30% to 70%RH (no condensation)
Processing capacity:	180 sheets/hour (mixed sizes/at ordinary modality)	Power:	UL: AC 120 V \pm 10%; 60 Hz \pm 1Hz 10A CE: AC 220 ~ 240 V \pm 10%; 50/60 Hz \pm 1Hz 6A
		Dimension:	H1150 X W599 X D585 mm Weight: approx. 152 kg (335lb)

Options for the DRYPRO MODEL 873

873 additional supply tray/ 873 additional supply tray for mammography

The supply unit for the third additional tray compatible with five sizes (14"X17"/14"X14"/11"X14"/10"X12"/8"X10") There are two types, ordinary type and mammography.

873 sorter (6 bin)

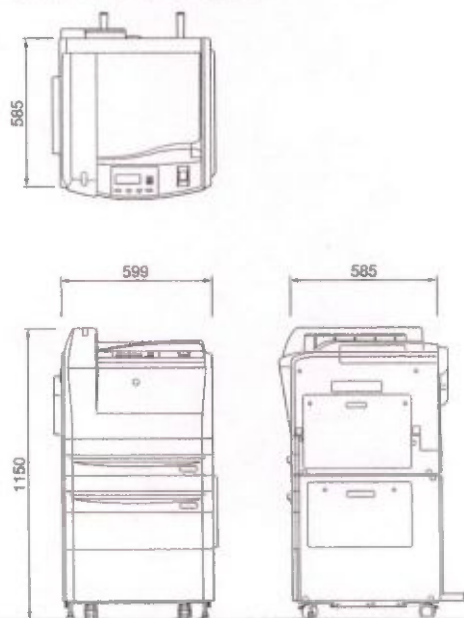
This sorter is useful to sort films. One bin can stock up to 30 sheets.

Dimension: H1459 X W599 X D585 mm (873 body + sorter) Weight: 170 kg (374lb) (873 body + sorter) Number of bins: 6

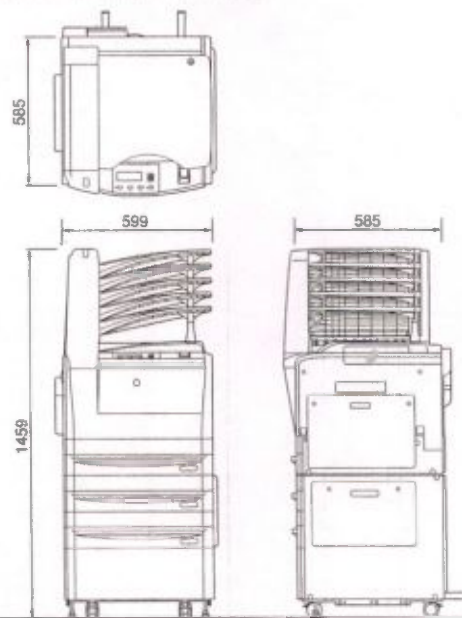
Sheets that can stored: A maximum of 30 sheets/bin Film size: 5 sizes (14"X17"/14"X14"/11"X14"/10"X12"/8"X10") Power: provided by the DRYPRO 873

Outer sizes

<Two channels standard specs>



<Three channels/specs with a sorter>



Unit: mm, magnification of 1/30

* The specs above are subject to change without prior notice for performance improvement.

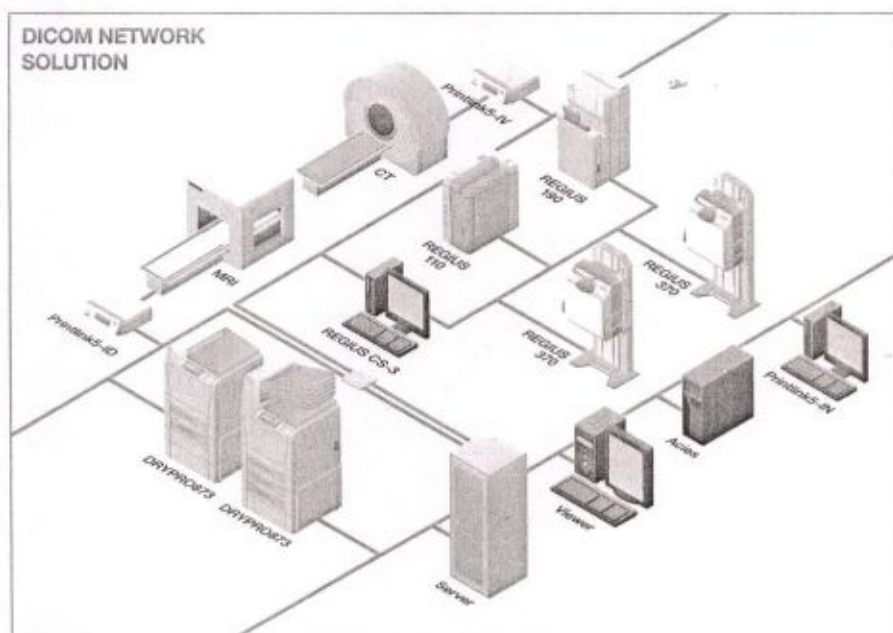
WORK

take open

Imager Network-Building Support by Printlink

Printlink5-IV, ID, IN

The Printlink5-IV/ID unit provides an open network environment for imager systems by converting signals from diagnostic devices into DICOM 3.0 (Print Management Service Class) international standard protocol. When combined with the Printlink5-IN, the various licensed functions (optional) of the Printlink5-IN can also be used. The Printlink5-IN enables network printing from DICOM modalities. By employing a variety of different functions, the network can be expanded to include storage that transmits images to an image server or viewer, extraction of patient information from image data by the automatic character recognition function, enlarged printing of the identified patient's name and ID number in the film margin, and MWM compatibility.



Printlink5-IN



Printlink5-IV/ID

Storing and Handling Dry Film

Dry image recording film SD-Q/SD-QC/SD-QM does not require a WET process. When storing and handling film, be sure to observe the following.

1. Storing and handling unused film

After confirming that film is packaged, store unused film, like ordinary film, in a cool, dark place (recommended temperature: 10-23°C (50-73°F)) where it will not be affected by radiation. If film is stored in a place where temperature is more than 30°C (86°F) for a long period of time, the quality of the film may change. When storing film in a film storage, it should be stored in a place where temperature is not likely to rise.

2. Storing and handling processed film (Image)

(1) As heat-processed-type film is susceptible to high temperature or strong sunlight even after it's processed, it should be stored in a cool, dark place. When storing film for a long period of time, be sure to place it in a film bag and store it in a place where temperature is 25°C (77°F) or below. The rise in density or discoloration may occur more frequently as the temperature rises.

(2) If the film is stored at a temperature of 40°C (104°F) or higher, this may cause density changes or discoloration even over a short period of storage. Avoid leaving the film in a car in daytime, or using it with a hot lamp etc.

(3) As the film is susceptible to strong sunlight as well as temperature, avoid exposing it to direct sunlight, or leaving it on a viewing screen for a long time. Dry film should not be cleaned with alcohol or cleaning agents that may cause density blotching and other defects. The film is resistant to water, so it may be cleaned with a soft cloth dampened with water.





**DRYPRO
MODEL 873**



KONICA MINOLTA

KONICA MINOLTA MEDICAL & GRAPHIC, INC.

No.1, Sakura-machi, Hino-shi, Tokyo, 191-8511, Japan

Distributed by :

O/c

OUR PREVIOUS MEMO
(with enclosure)

S.T.D No.-03473

Phone No.-242023

OFFICE OF THE COUNCILLORS

Chakdaha Municipality

P.O-Chakdaha, Dist.-Nadia.

(West Bengal)

Memo No.- 471/C.M

Dated-11-05-2009.

From: Dr. Kanak Moitra,
Chairman.

To: The Project Director,
CMU, KUSP, ILGUS Bhawan,
HC Block, Sec-III, Salt Lake City,
KOI-106.



Sub: Submission of the DPR for accessing KUSP –Acct. Reforms Incentive Fund for Social & Livelihood Development (ADP-2009-2010, Component-II).

Sir,

We are hereby submitting the following Detailed Project Report (DPR) for your necessary action:

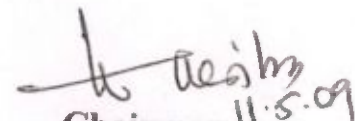
1. Setting up of Municipal Poly Clinic & Pathological Centre (Sub Comp.- Health care delivery improvement)

You are requested to give us necessary administrative & financial approval for this project, linked with the ADP-2009-2010 of Chakdaha ULB.

For any clarifications, please revert.

Thanking you,

Yours Truly,


Chairman 11.5.09

Chakdaha Municipality

Chairman

Chakdaha Municipality
Chakdaha, Nadia

Encl.: DPR on

1. Setting up of Municipal
Poly Clinic & Pathological Centre.



20/5/09

**DETAILED PROJECT REPORT
(DPR)
ON
SETTING UP OF MUNICIPAL
POLYCLINIC & PATHOLOGICAL
CENTRE**



**DPR FOR SOCIAL & LIVELIHOOD DEVELOPMENT
PLAN
(DDP-ADP Sub-Comp. – Health Care Service Improvement Plan.)
(YEAR 2009-2010)**

**CHAKDAHA MUNICIPALITY,
CHAKDAHA, NADIA**

Hithun Sarkar.
U.P.

Hithun Sarkar
Chairman
Chakdaha Municipality
Chakdaha, Nadia

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Abbreviations & acronyms

CDS	Community Development Society
CMU	Change Management Unit
CO	Community Organizer
DDP	Draft Development Plan
DFID	Department for International Development
DLB	Directorate of Local Bodies
DPC	District Planning Committee
DPG	DDP Policy Group
DTG 1	DDP Technical Group 1
DTG 2	DDP Technical Group 2
DTG 3	DDP Technical Group 3
EMP	Environment Management Plan
GOI	Government of India
GoWB	Government of West Bengal
HHW	Honorary Health Workers
KUSP	Kolkata Urban Services for Poor
LED	Local Economic Development
ISF	Investible Surplus Fund
O&M	Operations and Maintenance
OD	Organization Development
PPP	Public Private Partnership
BM	Birnagar Municipality
SEB	Socio Economic Baseline Surveys
SFC	State Finance Commission
SJSRY	Swarna Jayanti Shahari Rozgaar Yojana
SWM	Solid Waste Management
TCG	Thrift and Credit Group
TOR	Terms of Reference
TPO	Town Project Officer
UDPFI	Urban Development Plans Formulation and Implementation
ULBs	Urban Local Bodies
UPE Cell	Urban Poverty Eradication Cell
WBPCB	West Bengal Pollution Control Board
WC	Ward Committee
WEC	Ward Education Committee

General Description of the Municipal Office

OVERVIEW OF THE MUNICIPALITY

Chakdaha is a prominent urban local body in the district of Nadia – Nadia being one of the southern districts of West Bengal. Located on the banks of Bhagirathi River, Chakdaha derived its name from its mythological past. According to one of these stories, when river Bhagirathi was taking Ganga along this path, the wheel (Chakaha) of his chariot got stuck in the sand, and from then on, that place became known as *chakradaha* or Chakdaha. Chakdaha is located between 22° 15' 47" north latitude and 88° 18' 52" east longitudes.

Presently the Municipality consists of 21 wards covering an area of 15.36 sq kms with a population of 86965 persons

Chakdaha have a rich cultural history behind. Even today remnants of its heritage is scattered all over the town. People from various religious communities have peacefully lived in Chakdaha since its birth. A number of temples, mosques and other archaeological structures are witness of the past. Once predominantly a Panchayat area under the British rules with only 5000 populations in 1885, it became a municipality on May Day 1886. John Beglar, a British Architectural engineer took the initiative to establish Chakdaha as a Municipality with Kazi Mirza Itteshamuddin as its first Chairman. 62 kms north of state capital Kolkata in the Nadia District, the Municipality is encircled by Gangaprasadpur in the north, national NH – 34 in the east Chanaduria and Rauturi Panchyat in the south.. Ganga flows as the western boundary of the Chakdaha town. Buriganga and Churni Flows through the old Chakdaha into the Ganga The Nearest town within the 10 km radius is Ranaghat; while the districts headquarter Krishnanagar is about 38 kms away. Presently the Municipality consists of 20 wards covering an area of 15.36 sq kms with a population of 86965 persons. Males constitute 51% of the population and females 49%. Chakdaha has an average literacy rate of 79%, higher than the national average of 59.5%; with male literacy of 84% and female literacy of 75%. 9% of the population is under 6 years of age. Village panchayats under it are – Chanduria I and II, Dewli, Dubra, Ghetugachhi, Hingara, Kanchrapara, Madanpur I and II, Saguna, Sarati, Silinda I and II, Simurali, Talatala I and II, Tautari.

Traffic lifeline of the Chakdaha town mainly the eastern railways connecting Kolkata through Sealdah-Krishnanagar, Sealdah-Ranaghat mainline. In 1862, when a railway was introduced in Nadia District, it also connected Chakdaha for the first item.

As per municipal record, the soil is sandy with alluvial soil found in certain places. The climate is moderate in nature, raising the summer temperature to 38° C, while the winter temperature falls down to 12 ° C. The average annual rainfall is about 150-160 mm.

Though agriculture was once a major economic activity, Chakdaha today is totally service sector oriented economy along with business as an unorganised informal sector. People living in this region work in the neighbouring areas and in Kolkata. Industries are almost nonexistent except a few small-scale industries mainly plastic factories. Once Chakdaha was centre of jute industry but due to the change in the course of river it lost all its glory and importance. Chakdaha was also an important center of indigo cultivation. . Many areas within the municipal area and also the surrounding places show the debris of indigo factories. In 1789, a disastrous flood washed away all the factories along the Sukhsagar. It ended the indigo cultivation in Chakdaha.

In the Chakdaha municipality small businesses are growing at a fast pace within the municipal area and constitutes a major economic base of the municipality. Population is rising at a very high speed resulting in higher and higher density of population. Lack of only seven small-scale industries implies

that the municipality has to be run on taxes collected from the middle class residents, most of whom are service persons. Very little taxes are collected from the slums and poor colonies. So, it is very difficult to improve this municipal area only on the basis of municipal taxes. Chakdaha Municipality now comprehends the situation and plans to supplement this revenue through other sources.

Governance and Organisational Structure

Chadaha has managed to keep abreast with the changing legislative and policy environment within which it operates. The entire Municipal organisation is being reoriented to address the increased pace of urbanization and the consequent changing nature of job. Decentralised functioning has been approached by constituting and formalizing Ward Committees. Several standing committees have been formed for work delegation and responsibility sharing.

The municipality undertakes almost all its obligatory functions of building plan sanction, mutation, trade license issue, drinking water supply, sanitation, garbage management, street lighting, crematorium management etc. Top priority is given to the supply appropriate drainage followed by road infrastructure and waste management.

The present staff strength of Chakdaha Municipality is 92 out of the total sanctioned posts of 127. The Municipality is into rational financial planning considering past trends and future revenue generation options. Chakdaha currently 'contracts out' work including maintenance of water supply infrastructure, photocopy and computer maintenance to different agencies.

Justification of the Proposed Project

Municipal Authority of Chakdaha wants to implement this project to provide modern, transparent and trustworthy primary health care services to the economically weaker sections and as well as the general people of Chakdaha Municipal Area.

There is no such modern X-ray diagnostic centre in and around the Chakdaha Municipal area. People of Chakdaha depend for this, on some 'high price diagnostic centres' of Ranaghat & Kalyani, which is far away from Chakdaha town. Chakdaha State General Hospital also overburdened to provide such modern diagnostic service to all the inhabitants of Chakdaha Block area including the Chakdaha Municipal area, based on the existing poor infrastructural situation of the Hospital.

As per the huge public demand, Municipal authority decides to implement this project within few months. Municipality already starts a Modern Municipal Pathological cum Poly Clinic Centre at the ground floor of Municipal Plaza of Ward no.-08 of Chakdaha Municipality. Municipality also applied for NOC from the Dist. Health Dept. and WB PCB to operate such 'municipal diagnostic centre'.

Basically many modern diagnostic instruments and machineries are required for this Municipal Pathological cum Poly Clinic Centre including a Computerised Digital X-ray machine with all necessary accessories, which have not been purchased by our municipality due to scarcity of municipal fund.

Now municipality wants to purchase this Computerised Digital X-ray machine with all necessary accessories for the Municipal Pathology cum Poly Clinic, out of the 'KUSP Accounting Reforms Incentive Fund' and Municipal Fund also.

The main justification to implement this project is to provide a modern, transparent and trustworthy primary health care and diagnostic service to the economically weaker sections and more well as the general people of Chakdaha Municipal area within the municipal town area, at a lower cost than the market.

Municipality wants to create a dependency of its citizens on Municipal Health Service system. Municipality also wants to minimise the pressure of the Chakdaha State General Hospital and to explore the CBPHCS health Services of Chakdah Municipality.

Executive Summary

Chakdaha Municipality has adopted a project to set up a Municipal PolyClinic & Pathological Centre. Project Priority No is 2 (Sl. No. -Health-1) for DDP and Sl. No.1 (Sub Comp.-Health) in ADP-2009-2010, location of the project is at Ground Floor of Municipal Plaza, beside the municipal office. This project is under Health Care Service Improvement Plan of the DDP. Objective of the project is to purchase & install a Digital Computerised X-ray Machine for the newly set up Municipal Poly Clinic & Pathological Centre and to provide a good & trustworthy service through this to its poor citizens (Specially BPL) and as well as general people of Chakdaha Municipality.

The Project to be implemented in the Year 2009-2010 and to be implemented in 2 month's time. Project Cost is estimated 1500000/- and Source of Funding: KUSP & MF.

Basically Chakdaha Municipality already starts to implement this project by setting up a Municipal Poly Clinic & Pathological Centre at the Ground Floor of Municipal Plaza, beside the Municipal Office at ward no.-08 of Chakdaha Municipality and to purchase necessary instruments, pathological goods, machineries, medicines out of Municipal Fund & others. Municipality already applied for NOC both from the Pollution Control Board, GoWB and Dist. Health and Family welfare department as per Govt. norms and regulations and Now Municipal Authority decides to purchase a Digital Computerised Modern X-ray Machine with all accessories especially for this Municipal Pathological Centre to provide a better and Trustworthy health service to its poor and general citizens by this KUSP-Acct, Reforms Incentive Fund.

Specific TOR of the Project is as follows:

1. Technical Configuration:

- (a) Digital Computerised x-ray Machine with all accessories.
- (b) Project will be completed within two month after taking work order

(c) Project Monitoring & implementation Team

Chairman	Dr Kanak Moitra
Vice Chairman	Sri Bijan Behari Mitra
CIC Member	Smt. Nita Adikary
Medical Officer	Dr. Chanchal Kr. Majumder
M.P Helper cum S.K Clerk	Sri Goutam Dhar

- (d) Chairman & Board of Councillors decision is final in any condition.

Annexure 1

A: GENERAL

1. **Name of the ULB**
Chakdaha Municipality
2. **Nodal Officer in charge of executing the Project**
Dr. C.K Majumder, Medical Officer, Chakdaha Municipality
3. **Name of the project**
Setting up of Municipal Poly Clinic & Pathological Centre
4. **DDP/ADP**
 - a. **DDP Page No:** 15 & 191
 - b. **ADP Page No:** 13 & 75
5. **Duration of the Project (in Months)**
60 Working days require completing the process of purchase & installing a digital X-Ray Machine especially for the newly set up Municipal Poly Clinic cum Pathological Centre.
6. **Project Objectives**
To purchase & install a Digital Computerised X-ray Machine for the newly set up Municipal Poly Clinic & Pathological Centre and to provide a transparent & trustworthy service through this to its poor citizens (Specially BPL), economically weaker sections and as well as general people of Chakdaha Municipality.
7. **Project Area**
At the Ground Floor of Municipal Plaza, beside the municipal office of Ward No.-08 of Chakdaha Municipality.
8. **Target group (including No. of Beneficiaries)**
All the Citizens of the Chakdaha Municipality, especially the Poor citizens (BPL & Economically Weaker Sections) & as well as the general people of Chakdaha Municipality, who trusts in the Primary Health Service of Chakdaha Municipality.

Sh

1. Out Puts (in measurable terms)

Chakdaha Municipality wants to provide a transparent and trustworthy- basic health services to its citizens especially the poor or marginal citizens at a lower cost than market. Municipality wants to create a dependency of its citizens on Municipal Health Service system. Municipality also wants to minimise the pressure of the Chakdaha State General Hospital and to explore the CBPHCS health Services of Chakdah Municipality.

2. Involvement of Community/ Other Stakeholders if any

Involvement of Community/other stakeholders is not decided but Municipality primarily decides to involve the Health staff of CBPHCS scheme of our ULB, the HHWs and the FTSs to this project.

3. Project Monitoring System

For proper monitoring of this project, Monitoring Committees have been set up to look after and monitor the progress of the Projects and initiatives. The indicator for monitoring progress will be completing every project within the scheduled time. The monitoring team, to monitoring the implemented project approved by Municipal authority as follows:

Chairman	Dr Kanak Moitra
Vice Chairman	Sri Bijan Behari Mitra
CIC Member	Smt. Nita Adikary
Medical Officer	Dr. Chanchal Kr. Majumder
M.P Helper cum S.K Clerk	Sri Goutam Dhar

4. Any Other matter, not covered above

Not Applicable.

B2. For Non Engineering Projects

1. **Activity wise Cost:**

- (i) Purchase & install of 1 Digital Computerised X-Ray Machine for Municipal Poly Clinic & Pathological Centre with all accessories - Rs.1500000.00

2. **Equipment/Implement Cost:**

- (i) Purchase & install of 1 Digital Computerised X-Ray Machine for Municipal Poly Clinic & Pathological Centre with all accessories - Rs.1500000.00

3. **Administrative cost/ Running Expenses: - NIL**

4. **Total Cost:**

Rs.1500000.00 (Rupees Fifteen Lakhs Only)

B3. Total Budget for Project

1. **From KUSP Fund:** Rs. 900000.00 (Accounting Reforms Completion & First 10 ULB Incentive Fund)

2. **Other Fund (if any):** - Rs. 600000.00 (Municipal Fund)

3. **Beneficiary Contribution (if any):** - N.A

4. **Total:** Rs. 1500000.00

Budgetary Estimate: Purchase & install of 1 Digital Computerised X-Ray Machine for Municipal Poly Clinic & Pathological Centre with all accessories - Rs.1500000.00

Proposed Estimate

Sl No	Item	Quantity	Amount (in Rs)
1.	Digital Computerised X-Ray Machine (CR System) for Municipal Poly Clinic & Pathological Centre with all accessories *.	1 no.	1500000.00
TOTAL: (Rupees Fifteen Lakhs only)			1500000.00

Chairman
Chairman
Chakdaha Municipality

Chairman
Chakdaha Municipality
Chakdaha, Nadia

* Accessories-

1. One Digitizer.
2. One Dry Laser Camera
3. Six Cassettes
4. Two Work Stations
5. Single Tray
6. Software

Technical Configuration-

Direct Digitizer

- **Exposure Size:** 14"x17"/ 14"x14"/ 11"x14"/ 10"x12"/ 8"x10"/ 18x24cm/ 24x30cm / 15x30cm and others
- **Sampling Pitch:** 2 types: 87.5/175
- **Maximum Resolution:** 4020x4892(14"x17"/87.5 μ m)
- **Digital Gradation Level:** 4096 levels (12bit)
- **Processing Capability:** Approx 70 plates/hour (14"x14"/175 μ m)
- **Cassette Feed /Load Time or Cassette Cycle Time):** Approx 40 secs
(14"x14"/175 μ m)
- **Reader Type:** Single slot- insert-read-erase-eject
- **Power Consumption:** AC100/115/120/200/220/230/240V \pm 10%50/60 Hz approx. 1.1kW
- **Operating Conditions:** Temperature:15-30 Degree C , Humidity: 40-80% RH
(no condensation)

Console

- **Image Processing:** Automatic Gradation Processing (G processing)
Frequency Processing (F processing)
Equalization Processing (E processing)
Hybrid Processing (H processing)
- **Image Output: Maximum=** Host: 3ch for normal, 1ch for backup
Printer: 2ch for normal, 1ch for backup
CS-3 Standard Software= Host or Printer: 1ch for normal, 1ch for backup
- **DICOM Support:** Basic Grayscale Printer management (SCU)
Storage(SCU), Modality worklist management, Modality performed procedure step, Grayscale standard display function (print output)
- **Output Format:** 1x1, 2x1, 1x2

Control Console

- PC with Medical Grade High resolution touch Screen LCD Display

Main Options

- **Software option:** CS-3 stitching option

Cassettes Offered

- 14 x 17: 2 No, 8x10: 2 No, 10x12: 2 No.

Dry Laser Printer

- **Laser Source:** Semiconductor laser

- **Film Size:**
14"X17"(35x43cm), 14"X14"(35x35cm), 11"X14"(28x35cm), 10"X12"(25x30cm) & 8"X10"(20x25cm) selectable.
- **Film:** Dry Image Recorded film SD-P/SD-PC
- **Image Format:** 1,2,4,6,8,9,12,15,16,20,24,25,30,35,36,42,48,54,56,60,63,64
- **Image memory:** Hard Disc(80GB/standard), print memory(512MB/standard)
- **Input port:** 16 ports
- **Number of pixels(14"X17"):** REGIUS connection:80799752pixel
Non REGIUS connection: 7805X933pixel
- **Pixels size:** 78.6 u(standard), 1GB memory are required & only available for 11"X14", 10"X12" and 8"X10"films.
- **Image Data input:** 8bits/12 bits
- **Output gradation:** 16384 levels(14bits)
- **Image mode:** pixel replication/Function interpolation process
- **Processing capability:** Approx 120 sheets(14"X17")/hour
- **Input interface:** Ethernet 10 base-T/100 base-TX
- **Protocol:** DICOM print management
- **Supply:** Max. 2 channels, 14 inch tray is always the 1st tray, 2nd trays are selectable (14"X17", 8"X10')
- **Standby function:** Start timer / Night time standby
- **Border Processing:** Black/White
- **Trimmed frame:** available
- **Density Correction:** Automatic via built-in densitometer
- **Positive/Negative:** Available
- **DICOM function:** Presentation LUT service class/Requested Image Size
- **Noise Level:** Printing: 55dB or less, Stand By: 55dB or less
- **Operating Condition:** 10-23°C (50-73 F)
- **Power:** 100-120V AC/220-240 V AC, 9.0-7.5 A/4.5-4.0 A
- **Heating Generation:** Approx 1200kj/hour (approx 286k cal/hour)
- **Foot print:** 0.43m²
- **Dimensions:** W675XD640XH1420mm, W26.5XD25.1XH55.9inch

Chairman
Chakdaha Municipality
Chakdaha, Nadia



Sub:- Support & Health Letter - detail
Project Report (no-5) of Baidyabati Municipality

The civil part of the estimate as submitted
by the Baidyabati Municipality has been
checked in general as per P.C. schedule
of rates 2010 and found in order.

The estimate stands as Rs 57,844.00

AA 2FS may be issued after verifying
other items from your part.

Dr (Pm) Goswami
Health Expert

Carmy
29/12/10
PE

AA 2FS accorded.

Goswami
29.12.10



2632-6554

Office : 2632-0443

Satyajit Roy Bhawan : 2632-3605

Fax : 91-33-2632-0443

OFFICE OF THE MUNICIPAL COUNCILLORS BAIDYABATI
P.O. SHEORAPHULI, Dist. HOOGHLY, PIN - 712 223

Ref. No1801/KUSP (Support to Health)/2010-'11

Date 13/12/2010

To,
The Project Director,
CMU
Bidhannagar
Kolkata



Sub: Submission filled up format related to savings in Support to Health

Ref: CMU-94/2003(Pt.VIII)/1655, Dt: 03/12/2010

Sir,

I am attaching filled up format stating the project status that received both AA & FS, AA & FS accorded Actual expenditure incurred for each project and savings. This report will help you to allow us to conduct project whose DPR has been submitted (1615/KUSP (Support to Health)/2010-'11, Dt: 11/11/2010) but AA & FS is not yet received.

Sd/-

Chairman
Baidyabati Municipality

Copy forwarded for needful:-

1. ✓ Health Expert, CMU
2. Engineering Expert, CMU

Chairman
Baidyabati Municipality

Ref. No. ~~1801~~ /KUSP (Support to Health)/2010-11
Attention to Health Expert and Engineering Expert, CMU

DC: 13/12/2010

Fund Status of Support To Health on 10/12/2010

Sl. No.	Name of Projects	Allotted Fund	AA & FS Accorded	Actual Expenditure Incurred	Savings	Remaining Unutilised Fund (Allotted Fund- AA & FS Accorded= Answer + Unutilised Fund of Project in Sl.No. 4)	Total Savings= (Savings+ Unutilised Fund)	Remark
1	Procurement of medicine and dental chair	963000	232720	193837	38883	165323	216449.00	Completed
2	Improvement of Health Centres with required infrastructure, medicines and equipments and strong linkage with referral units- Extension of Bishalakshmi HAU		433243	424000	9243			Completed
3	Improvement of Health Administrative Unit		131714	131714	0			Completed
4	Training at grass-root		3000	0	3000			Could not be implemented so amount has been considered in the submitted new DPR
	Total		800677	749551	51126	165323	216449.00	

Savings in Support to Health= Rs. 216449.00

According To 1615/KUSP (Support to Health)/2010-11, Dt: 11/11/2010 on basis of above mentioned amount a DPR has been submitted for improvement of Matri Sadan.

Fund Status of Support to Health till 16/12/2010

AA & FS Ref	AA & FS Accorded Fund(Rs.)	Actual Expenditure Amount (Rs.)	Head-wise	Savings (Rs.)	Remark
Memo No: CMU- 94/2003(Pt.VII)/2882; Dt:16.02.2010	232720	186658	Supply of medicine and dental chair	46062	Completed
Memo No: CMU- 94/2003(Pt.VII)/1934; Dt:10.11.2009	433243	254300	Construction of sub- centre at Bishalakshmi Tala in ward-20- 1st phase payment	8487	Completed
Memo No: CMU- 94/2003(Pt.VII)/1934; Dt:10.11.2009		170456	Construction of sub- centre at Bishalakshmi Tala in ward-20- 2nd phase payment		
Memo No: CMU- 94/2003(Pt.VII)/751; Dt:13.08.2010	131714	22385	Improvement of Health Administrative Unit	00	Partly completed but all fund will be spent no savings will remain
Memo No: CMU- 94/2003(Pt.VII)/751; Dt:13.08.2010		109329	Improvement of Health Administrative Unit		
Memo No: CMU- 94/2003(Pt.VII)/624; Dt:	3000	00	Training at grass root	3000	Not Done
	800677	743128		57549	


Chairman
Baidyabati Municipality

baidyabati municipality to me

Madam,
Please check the attachment
Regards,
Urban Planner
Baidyabati Municipality

List of Cases of Interest in Health Care (2010-2018)					
Case ID	Case Name	Case Description	Case Status	Case Type	Case Category
1	Case 1	Case 1 Description	Case 1 Status	Case 1 Type	Case 1 Category
2	Case 2	Case 2 Description	Case 2 Status	Case 2 Type	Case 2 Category
3	Case 3	Case 3 Description	Case 3 Status	Case 3 Type	Case 3 Category
4	Case 4	Case 4 Description	Case 4 Status	Case 4 Type	Case 4 Category
5	Case 5	Case 5 Description	Case 5 Status	Case 5 Type	Case 5 Category
6	Case 6	Case 6 Description	Case 6 Status	Case 6 Type	Case 6 Category
7	Case 7	Case 7 Description	Case 7 Status	Case 7 Type	Case 7 Category
8	Case 8	Case 8 Description	Case 8 Status	Case 8 Type	Case 8 Category
9	Case 9	Case 9 Description	Case 9 Status	Case 9 Type	Case 9 Category
10	Case 10	Case 10 Description	Case 10 Status	Case 10 Type	Case 10 Category

health.JPG
64K [View](#) [Download](#)

Budget-
11-12

RE 40-11

PE is requested
to scrutinize
proposal for
issuance of AA & A
21.12.19

BAIDYABATI MUNICIPALITY



Detailed Project Report

Support To Health

Project No. -5

1801
No. 2007KUSP (Support to Health)/2010-11
Attention to Health Expert and Engineering Expert, CMU

Dt: 13/12/2010

Fund Status of Support To Health on 10/12/2010

Sl. No.	Name of Projects	Allotted Fund	AA & FS Accorded	Actual Expenditure Incurred	Savings	Remaining Unutilised Fund- (Allotted Fund- AA & FS Accorded= Answer + Unutilised Fund of Project in Sl.No. 4)	Total Savings= (Savings+ Unutilised Fund)	Remark
1	Procurement of medicine and dental chair	963000	232720	193837 186658	38883 46062	165323	216449.00	Completed
2	Improvement of Health Centres with required infrastructure, medicines and equipments and strong linkage with referral units- Extension of Bishalakshmi HAU		433243	424000 424754	9243 8487			Completed
3	Improvement of Health Administrative Unit		131714	131714	0			Completed
4	Training at grass-root		3000	0	3000			Could not be implemented so amount has been considered in the submitted new DPR
Total			800677	749551	51126 54514	165323	216449.00	

Savings in Support to Health= Rs. 216449.00

According To 1615/KUSP (Support to Health)/2010-11, Dt: 11/11/2010 on basis of above mentioned amount a DPR has been submitted for improvement of Matri Sadan.

List of Contents

Sl. No.	Contents	Page No.
1	List of Annexure	1
2	List of Abbreviations	2
3	General Description of the Municipal Office	3
4	Population as per Census – 2001, Present & Future Design Population	5
5	Justification / Need of the Proposed Project	5
6	Executive Summary	6
7	Organization Details	6
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List of Annexure:-

- 1. Auto-Cad Drawing
2. Abstract
3. Estimate of the Project
4. Comparative Statement.

List of Abbreviations :-

- **CM – Chairman**
- **VC – Vice-Chairman**
- **EO – Executive Officer**
- **AFC – Accounts & Finance Co-ordinator**
- **UP – Urban Planner**
- **HO – Health Officer**
- **ITC – Information Technology Co-ordinator**
- **AE – Assistant Engineer**
- **SAE – Sub-Assistant Engineer**
- **NCLP – National Child Labour Project**
- **TPO – Town Project Officer**
- **CO – Community Organizer**
- **SJSRY – Swarna Jayanti Sahari Rojgar Yojana**
- **ULB – Urban Local Body**
- **C – in – C – Chairman – in – Council**
- **BOC – Board of Councillors**

General Description of the Municipal Town :-

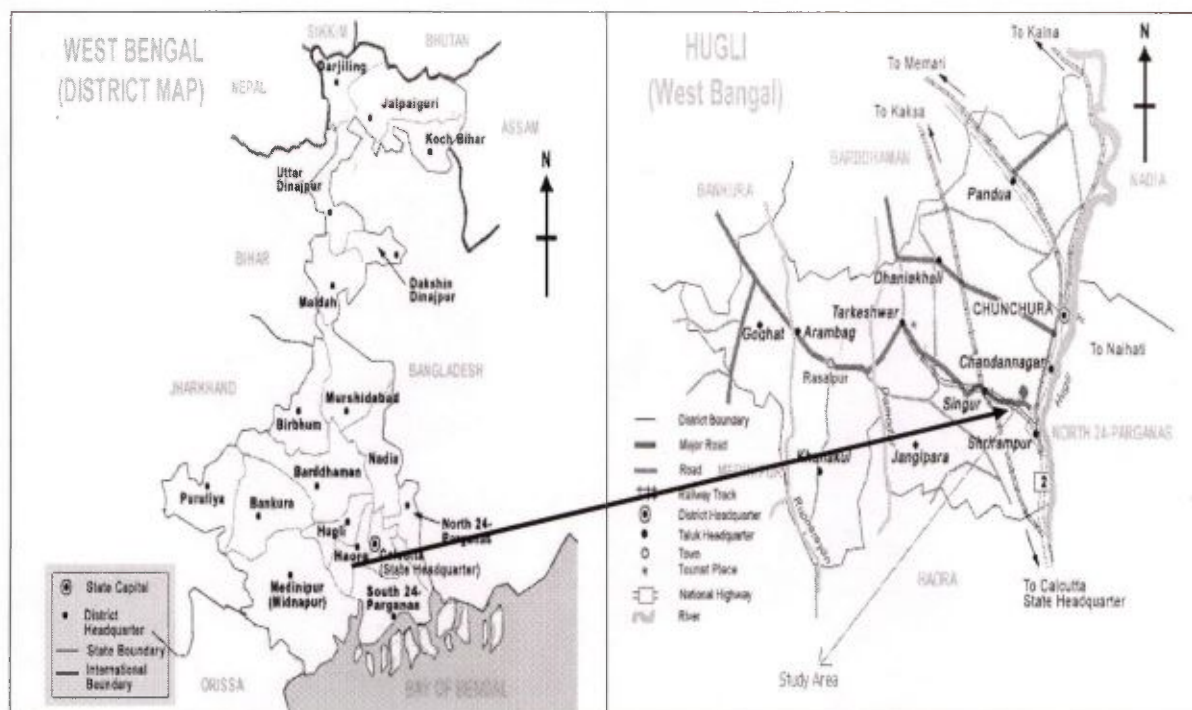
Baidyabati, one of the old habitat of Hooghly district, recollects the memory of the famous physician, first within this region, Dr. Madhusudan Gupta, probably from whom the name Baidyabati originated. Also the memory of having the footprint of Lord Chaitanya at the Nemai Tirtha Ghat, around 400 years back, is still bright. Thus the area is well known for its deep cultural and literary tradition.

Baidyabati Municipality is having a population of 1.08231 lakh (Census 2001), comprising of two important urban settlements such as Baidyabati and Sheoraphuli. This sizeable population settled in such an unplanned manner, causes real problem to provide proper services e.g., proper road, drainage & sewerage system, solid waste management, etc.

The municipality has constantly made an effort to provide basic municipal services to the people of the town. Roads, drainage, sewerage and other infrastructure have been created from time to time, based upon assessed needs. These initiatives always have been constrained by shortage of funds and therefore never fulfill the demand of the people. Today, the town of Baidyabati extends over 12.09 square kilometers, which exhibit several features of unplanned urban growth.

Baidyabati possibly started as a village settlement known from physician's village of practice, Baidyapara mouza along with two more mouzas Dhirgangi and Shankarpur. It experienced in having the footprints of Lord Chaitanya during his journey to Puri. The town was constituted as a municipality 140 years back, with a common boundary with Champdani, Bhadreswar and Serampore Municipality. At the east there is River Hooghly flowing as a witness of lot of events in and around Baidyabati.

In the present incarnation, Baidyabati Municipality was reconstituted in 1981 after the Municipal acts were democratized and elections were held. Thereafter, the continuity in planning and activities of this Municipality can be assessed.



- Baidyabati Municipality has an area of 12.09 square kilometers and a population of 1,08,231 by the last census. It is located approximately 30 kilometers northwest of Kolkata.
- * Important rail linkage is made via the Sheoraphuly Railway Junction located on the Eastern Railway of Burdwan-Howrah section. Important road linkage is the famous Grand Trunk Road, a heritage road that still serves as the main arterial roadway in the region. Ferry service is also an important mode of communication here.

In Baidyabati there are no major industries, though a considerable number of small-scale industrial units are present. Baidyabati has a number of secondary and higher secondary schools.

According to the last census annual average growth rate of population is just above 2.7 percent. Total illiteracy rate is 21.95 percent with male illiteracy rate being 18.83 percent while female illiteracy stands higher at 25.36 percent.

The area is home to many traditional crafts such as rope and leather bag making, bidi making, garland industry, etc. Much of these are in poor shape due to loss of indigenous knowledge and out-migration.

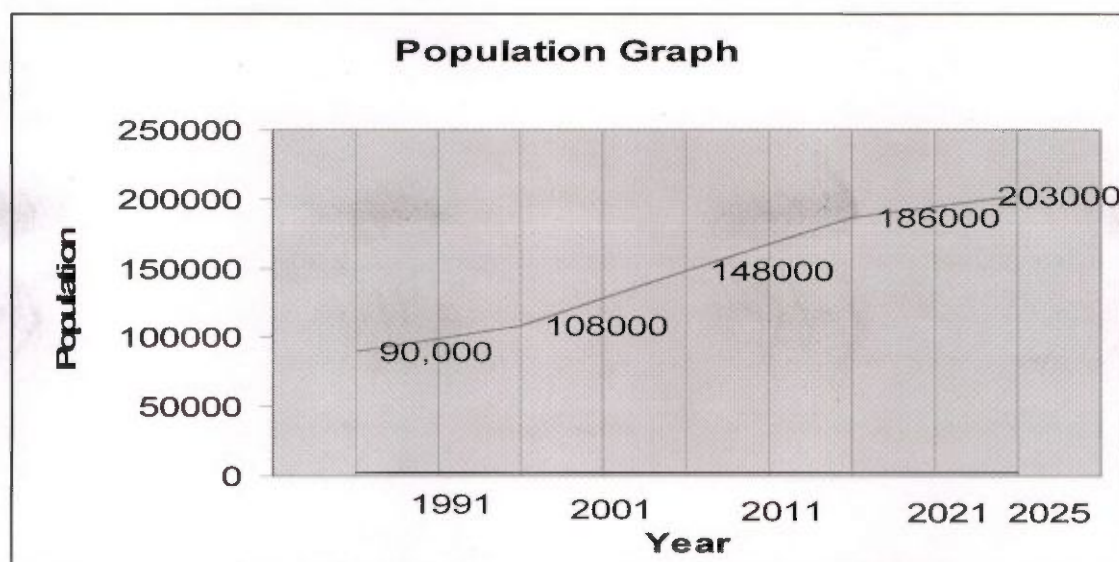
The region is characterized by a generally hot and humid climate with a mild winter. Rainfall is heavy and consistent with the plains of Gangetic West Bengal. The soil is generally alluvial and fertile. There was a rich reservoir of groundwater but this stands somewhat depleted due to overuse.

The people are largely poor and middle income and greatly dependent on informal sector income. The area is very heterogeneous in terms of caste and religious and linguistic composition. The Municipal authorities are determined to accept the current conditions and rise to the challenge of urban planning that is posed before them.

Population as per Census – 2001, Present & Future Design Population :-

Year	Population	No. of H/H	Additional	Total H/H
1991	90,000	15231	--	15231
2001	1,08,000	24537	---	24537
2011	1,48,000	30000	5463	35463
2021	1,86,000	36136	3156	39292
2025	2,03,000	38636	2500	41136

Source :- Census of India 2001 and Perspective Plan of KMA-Vision 2025 (Table-23)



Justification / Need of the Proposed Project :-

- During discussion at the ward level and with the focused group it was found out that the in the existing sub-centres the sanitary condition is poor due to poor condition of latrine or due to non-availability of latrine which might disturb the health and hygiene of the citizens.

Executive Summery:-

Baidyabati municipality comprises of two urban settlements- namely, Baidyabati and Sheoraphuli. Present Health Service of the municipality is only available at Baidyabati but the health service is not adequate in respect to the present population. To improve the heath-care service delivery in respond to cover the all population extension of the Health Administrative Unit under IPP-VIII, CUDP. The project has been considered in DDP in **Component-II of Health-Care Service Delivery Plan**. It is in **DDP Plan Document Page.No. 251** and also in detail in **Annexure Vol. 3B in Page .No. 577** . It is also considered in **ADP 2009-10 in Page.No. 98**

Organization Part :-

Name of the ULB & Address and Contact No. :-

BAIDYABATI MUNICIPALITY
Satyajit Roy Bhawan
G. T. Road, P.O. - Sheoraphuli,
District - Hooghly,
PIN - 712223.
Phone No. - 033-26320365.
Fax No. - 033-26320443.
E-mail address: - baidyabatimunicipality@yahoo.co.in

Project Details:-

1. **Name of the Project :** Improvement of Matri Sadan.
2. **Objectives:** Betterment of healthcare service delivery.
3. **No. of Beneficiaries :** All citizens
4. **Justification:** To gain knowledge primitive health care service.
5. **Activity:** Tender for procurement of the building material. Construction of two pit latrine. The responsibility of the whole work rests on E.O., A.E. and Health Officer.
6. **Sub – Activity :**

Activity Month				Dec 2010	
Sl. No.	Activity / Task Name	Persons Responsible	Days		
1	Tender Process	Chairman, E.O. and Tender Committee	7		
2	Preparation of CS and preparation of work order	S.A.E	7		
3	Construction Work	S.A.E and overseer and C-I-C (PWD)	7		

7. **Project Period:** 30 days
8. **Project Cost :** Rs. 131714.00
9. **Source of Funding :** KUSP
10. **Measurable Outcomes / Means of Verification:** People of the municipal area will get adequate health service facility.
11. **Monitoring Mechanism:**
 - Present infrastructural condition related to no. of patient.
12. **O & M Responsibility :** ULB

Annexure:

Abstract

Name of the work :- Improvement of Matri Sadan

Fund :- KUSP (Support to Health) Fund 2010 – 11.

Sl. No.	Name of Work	Estimated Cost (Rs.)
1	Improvement of Matri Sadan	216449.00
Total		216449.00



**Chairman
Baidyabati Municipality**

Estimates

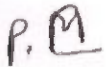
Name of Work: - Improvement of Matri Sadan

Scheme: - KUSP (Support to Health) /10-11

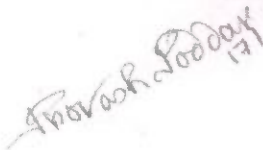
Electrical Works

Part – A

Sl. NO	Particulars	Make	Quantity	Rate	Amount
1.	Light Fan & Tube Point (ISI ;PVC conduit pipe wiring)	Havell's , Anchor	95 Nos	325/-	30875/-
2.	Plug Point 10-15 A (ISI ;PVC conduit pipe wiring)	Anchor	25 Nos	325/-	8125/-
3.	100A Main Switch	Havell's , Flora	1 Nos	5000/-	5000/-
4.	62A Main Switch	Havell's , Flora	1Nos	4000/-	4000/-
5.	Tub Light Fittings	Philips	45 No	500/-	22500/-
6.	Ceiling Fan	Havell's	23 No	1600/-	36800/-
7.	Main Line 6 M.M	Havell's	150 ft	150/-	22500/-
8.	Mainline 2.5M.M	Havell's	300ft	25/-	7500/-
9.	Earthing (for all building)	G.I		10000/-	10000/-
10.	M.C.B 12W	Havell's	1Nos	5000/-	5000/-
	Total Amount(Rs)				152300/-



Electrician
Baidyabati Municipality



C-in-C (PW)
Baidyabati Municipality



Chairman
Baidyabati Municipality

Civil Works

Part – B

(P.W.D. schedule – 2010)

Sl. No.	Description of Work	Unit	Qty	Rate / Unit	Amount (Rs.)
1.	Scraping of moss, blisters etc..... <u>Page No. 329, Item No. 1.</u>	M ²	1000.00	4.46	4460.00
2.	White washing including clearing and <u>Page No. 329, Item No. 3 (b).</u> <i>Two Coat</i>	% M ²	1200.00	1163.52	13962.24
3.	Colour washing with any shade..... <i>one Coat</i> 5) ii) External Surface (Ground Floor) a) ii) Yellow, Pink. <u>Page No. 331, Item No. 5 (ii) (a) (ii).</u>	% M ²	1800.00	1070.60	19270.80
4.	Removing loose scales, blisters etc. from old painted <u>Page No. 341, Item No. 1.</u>	M ²	300.00	14.95	4485.00
5.	Painting with best quality synthetic enamel paint a) On timber or plastered surface with other than high gloss..... ii) Two coats (With any shade) ✓ <u>Page No. 343, Item No. 8 (a) (ii).</u>	M ²	300.00	52.22	15666.00
Total					57844.04

(Say Rs. 57844.00)

SAE
Baidyabati Municipality

Member, C-in-C (P.W.D.)
Baidyabati Municipality

Chairman
Baidyabati Municipality

Abstract of Part-A and Part-B with contingency

Sl. No.	Name of Work	Type of Work	Estimated Cost (Rs.)
1	Improvement of Matri Sadan	Electrical Works (Part-A)	152300.00
		Civil works (Part-B)	57844.00
Sub-Total			210144.00
Contingency (3% of Sub Total)			6304.32
Total			216448.32

(Say Rs. 216449.00)

P. 100

SAE

Provesh Poddar

Chairman

Electrician Baidyabati Municipality SAE Baidyabati Municipality C-in-C (PW) Baidyabati Municipality Chairman Baidyabati Municipality

Comparative Statement for Electrical works for Improvement of Matri Sadan

Baidyabati Municipality
PO – Sheoraphuli, Dist. - Hooghly

Comparative Statement

Sl. No.	Particulars	Name of Quoters		
		Dutta Electric Co.	AK Enterprise	Universal Enterprise
1	Light Fan & Tube Point (ISI ;PVC conduit pipe wiring)	30875/-	31350/-	31825/-
2	Plug Point 10-15 A (ISI ;PVC conduit pipe wiring)	8125/-	8250/-	8375/-
3	100A Main Switch	5000/-	5300/-	5500/-
4	62A Main Switch	4000/-	4200/-	4500/-
5	Tub Light Fittings	22500/-	24750/-	27000/-
6	Ceiling Fan	36800/-	37950/-	39100/-
7	Main Line 6 M.M	22500/-	23250/-	24000/-
8	Mainline 2.5M.M	7500/-	12000/-	10500/-
9	Earthing (for all building)	10000/-	12000/-	11000/-
10	M.C.B 12W	5000/-	5400/-	5200/-
Total		152300/-	164450/-	167000/-

From the aforesaid comparative statement the rates offered by M/S. Dutta Electric is lowest accordingly order may be placed in favour of him (refer the attached scanned document of quotation).



Chairman
Baidyabati Municipality

Scanned Document of Quotation

DUTTA ELECTRIC CO.

GOVT. AUTHORISED LICENCED CONTRACTOR

Office

98/1, N. T. ROAD,
P.O. SHEORAPHULI,
Dist. HOOGHLY,
PIN-712 223

RESIDENCE :

51, KNAS BAGAN LANE,
P.O. SHEORAPHULI,
Dist. HOOGHLY,
PIN-712 223

To

The Chairman

Baidyabati Municipality

Sub: - Matri Sadan Electrical Works estimate.

List Of Items With Rate (Rs){supply and fixing}

Sl. No	Particulars	Make	Quantity	Rate	Amount
1.	Light Fan & Tube Point (ISI ;PVC conduit pipe wiring)	Havell's , Anchor	95 Nos	325/-	30875/-
2.	Plug Point 10-15 A (ISI ;PVC conduit pipe wiring)	Anchor	25 Nos	325/-	8125/-
3.	100A Main Switch	Havell's , Flora	1 Nos	5000/-	5000/-
4.	62A Main Switch	Havell's , Flora	1Nos	4000/-	4000/-
5.	Tub Light Fittings	Philips	45 No	500/-	22500/-
6.	Ceiling Fan	Havell's	23 No	1600/-	36800/-
7.	Main Line 6 M.M	Havell's	150 ft	150/-	22500/-
8.	Mainline 2.5M.M	Havell's	300ft	25/-	7500/-
9.	Earthing (for all building)	G.I		10000/-	10000/-
10.	M.C.B 12W	Havell's	1Nos	5000/-	5000/-
Total Amount(Rs)					152300/-

Dutta Electric Co.

Proprietor

UNIVERSAL ENTERPRISE

All kinds of Civil Constructions.
411 (270 / A). G.T Road, Chatra, Bowbazar
P.O: - Chatra, Dist: Hooghly

To

The Chairman

Baidyabati Municipality

Sub: - Matri Sadan Electrical Works estimate.

List Of Items With Rate (Rs){supply and fixing}

Sl. No	Particulars	Make	Quantity	Rate	Amount
1.	Light Fan & Tube Point (ISI ;PVC conduit pipe wiring)	Havell's , Anchor	95 Nos	335/-	31825/-
2.	Plug Point 10-15 A (ISI ;PVC conduit pipe wiring)	Anchor	25 Nos	335/-	8375/-
3.	100A Main Switch	Havell's , Flora	1 Nos	5500/-	5500/-
4.	62A Main Switch	Havell's , Flora	1Nos	4500/-	4500/-
5.	Tub Light Fittings	Philips	45 No	600/-	27000/-
6	Ceiling Fan	Havell's	23 No	1700/-	39100/-
7	Main Line 6 M.M	Havell's	150 ft	160/-	24000/-
8	Mainline 2.5M.M	Havell's	300ft	35/-	10500/-
9	Earthing (for all building)	G.I		11000/-	11000/-
10	M.C.B 12W	Havell's	1Nos	5200/-	5200/-
Total Amount(Rs)					167000/-

Universal Enterprise

Proprietor

A.K. ENTERPRISE

TUBULE PLUMBER, CONTRACTOR & GENERAL ORDER SUPPLIERS

15/31/11 H. D. Ghosh Sarani, Zaveri Road

Shreekrishna, Hoshiy, Tel: 712225

Phone : (033) 2632 5361

To

The Chairman

Baidyabati Municipality

Sub: - Matri Sadan Electrical Works estimate.

List Of Items With Rate (Rs){supply and fixing}

Sl. NO	Particulars	Make	Quantity	Rate	Amount
1.	Light Fan & Tube Point (ISI ;PVC conduit pipe wiring)	Havell's , Anchor	95 Nos	330/-	31350/-
2.	Plug Point 10-15 A (ISI ;PVC conduit pipe wiring)	Anchor	25 Nos	330/-	8250/-
3.	100A Main Switch	Havell's , Flora	1 Nos	5300/-	5300/-
4.	62A Main Switch	Havell's , Flora	1Nos	4200/-	4200/-
5.	Tub Light Fittings	Philips	45 No	550/-	24750/-
6.	Ceiling Fan	Havell's	23 No	1650/-	37950/-
7.	Main Line 6 M.M	Havell's	150 ft	155/-	23250/-
8.	Mainline 2.5M.M	Havell's	300ft	40/-	12000/-
9.	Earthing (for all building)	G.I		12000/-	12000/-
10.	M.C.B 12W	Havell's	1Nos	5400/-	5400/-
Total Amount(Rs)					164450/-

A.K. Enterprise

A.K. Enterprise

Proprietor

NEW BARRACKPORE MUNICIPALITY

NEW BARRACKPORE, KOLKATA-700 131

Chairperson : *Smt. Nirmika Bagchi*
Vice-Chairman : *Sri Manoj Neogi*

Ref no: NBM/Health/ *2887/10*

Date: 07/12/2010



HE
SS
7/1 ✓

To
The Project Director, CMU, KUSP
ILGUS Bhavan,
HC Block, Sector-3
Bidhannagar,
Kolkata -700106.

Sub: Upgradation of Dr. B.C.Roy General Hospital & Maternity Home, Managed by New Barrackpore Municipality

Sir,

I am to inform you that steps have been taken to upgrade the existing service facilities of Dr. B.C.Roy General Hospital & Maternity Home, managed by New Barrackpore Municipality. In order to provide the quality of services it requires immediate installation of some diagnostic machinery and instruments. Since this is the final year KUSP project, savings arising from any health and other component may be released in favour of this project.

Therefore it is my request to you to look into this matter and do the needful as required.

Thanking you,

Enclose: Detailed Project report.

AA & FS account
vide no. CMU - 94/2003 dt 11/11/1785
dt - 16.12.10.

Yours faithfully,

nythi
Chairperson,

New Barrackpore Municipality

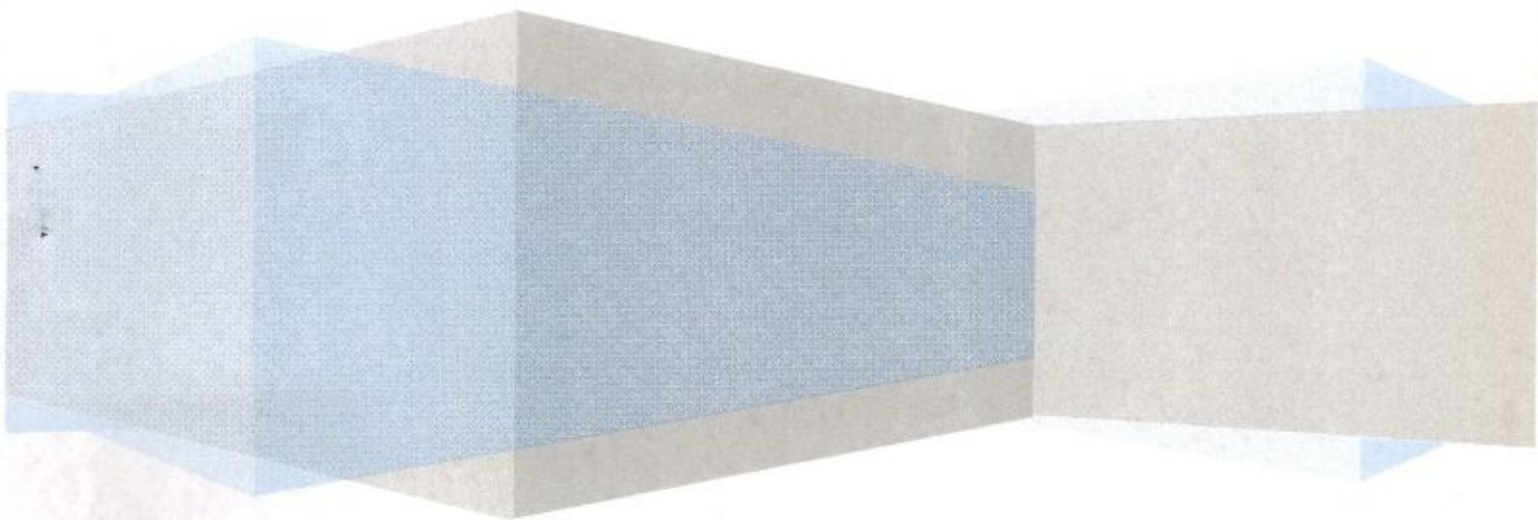
Chairperson
New Barrackpore Municipality

DETAILED PROJECT REPORT ON

***Upgradation of Dr. BC Roy General
Hospital & Maternity Home
by purchasing State of the Art equipments
in order to deliver better service***



**New Barrackpore Municipality
2010-11**



COVER PAGE

<i>Project Title</i>	Upgradation of Dr. BC Roy General Hospital & Maternity Home by purchasing state of the art equipments in order to deliver better service.
<i>Location</i>	
<i>(Name of the ULB; Wards)</i>	New Barrackpore Municipality; Ward 4
<i>Submitted to</i>	Project Director, KUSP Change Management Unit ILGUS Bhawan, Block- HC, Sector III Bidhan Nagar, Kolkata 700 106
<i>Name of Applicant</i>	New Barrackpore Municipality
<i>Address of the Applicant</i>	New Barrackpore Municipality, New Barrackpore, Kolkata 700 131
<i>Telephone with STD Code</i>	033 – 2537 5408
<i>E-mail</i>	chairperson@nbmonline.org
<i>Fax with STD Code</i>	033 -2537 1006
<i>Name and designation of Nodal Contact Person</i>	Dr. Sankar SinhaRoy, Health Officer
<i>Phone Number with STD Code</i>	033 – 2537 5408
<i>Number and Names of Project Partners</i>	N.A
<i>Project Coverage</i>	
<i>ULB(s)</i>	New Barrackpore Municipality
<i>Wards</i>	Ward Nos. 1 to 20
<i>Project Duration (Months)</i>	N.A.
<i>Total Project Cost</i>	Rs. 18,50,000.00
<i>Funds requested from KUSP</i>	Rs. 18,50,000.00
<i>Date of Submission</i>	


 Chairperson
 New Barrackpore Municipality

C O N T E N T S

Sl. No.	Chapter	Page No.
1.	Executive Summary	1
2.	Project details	2 - 3
3.	Financial Statement	4
4.	List of Abbreviations	5

EXECUTIVE SUMMARY

Backdrop -----

Dr. BC Roy General Hospital & Maternity Home under New Barrackpore Municipality at New Barrackpore, (N) 24 Prgns was started in the year 1990. Initially it was a Maternity based hospital with only 10 beds. Gradually it developed into a General Hospital & Maternity Home with a capacity of 50 beds. There are OPD & Indoor departments with various diagnostic facilities both for pathology & biochemistry like, X-Ray, ECG, USG, ~~FSH~~ etc. A good number of Surgical, Orthopaedic, Dental, Eye, ENT, Obstetrical & Gynaecological operations are performed in every week by specialized, experienced & skilled doctors.

The project -----

- ***"Upgradation of Dr. BC Roy General Hospital & Maternity Home by purchasing state of the art equipments in order to deliver better service."*** is aimed to deliver superior quality of service to the visiting patients of Dr. BC Roy General Hospital & Maternity Home.

The existing instruments of Dr. BC Roy Gnl. Hospital & Maternity Home are not able to provide fruitful service in view of accuracy as per requirements. Moreover, the equipments are getting superseded day by day, owing to old age. Hence, the same will be replaced to convert it into a modern one with all facilities.

The cost of the project is ₹ **18,50,000** (Rupees Eighteen Lakh Fifty Thousand only).

anyth
Chairperson
New Barrackpore Municipality

PROJECT DETAILS

- i) **Name of the Project:** Upgradation of Dr. BC Roy General Hospital & Maternity Home by purchasing state of the art equipments in order to deliver better service.
- ii) **Objectives:**
- a. To ensure modern facilities to the citizens.
 - b. To deliver more accurate diagnostic report.
 - c. To maximize the number of visiting patients at Diagnostic Centre.
 - d. To render prompt service.
 - e. To upgrade the health service.
- iii) **Number of Beneficiaries:** More than 1 lakh people including the neighbouring area.
- iv) **Justification:** In the existing situation, DR. BC Roy Gnl Hospital & Maternity Home has been rendering services to the patients for long years. Now, keeping in view to the increasing needs of the patients, the replacement of some old equipments of this Hospital by means of modernization is much needed.
- v) **Start Date:** As soon as the project receives A.A&F.S from KUSP.
- vi) **Present Project Cost:** ₹ 18,50,000 (Rupees Eighteen Lakh Fifty Thousand) only.
- vii) **Source of Fund:** KUSP Fund.


Chairperson
New Barrackpore Municipality

viii) Operation and Maintenance Responsibility:

The responsibility of O & M shall lie on the Authority of New Barrackpore Municipality.

angeli
Chairperson
New Barrackpore Municipality

Financial Analysis

Sl. No.	Item	Quantity (Nos.)	Cost in Rs.
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Purchase of:-

1	Digital X-Ray Machine	1	1400000.00	A
2	Multipara Monitor for Operation Theatre	2	200000.00	B
3	Diathermy Machine (with Bipolar & Monopolar)	1	50000.00	C
4	Digital BP Instrument	12	50000.00	D
5	Auto Analyzer Machine	1	150000.00	E

GRAND TOTAL (A + B + C + D + E)	1850000.00
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Chairperson
New Barrackpore Municipality

LIST OF ABBREVIATIONS

NBM	:	New Barrackpore Municipality
OPD	:	Out Patient Department
KUSP	:	Kolkata Urban Services for the Poor
OPD	:	Out Patient Department
ULB	:	Urban Local Body
AA & FS	:	Administrative Approval and Financial Sanction
H.O	:	Health Officer
BP	:	Blood Pressure

As instructed by the Secretary, Dept. of
MA, construction work for which
may be allowed.

Government of West Bengal

Office of the Executive Engineer, 24-Parganas Division-1,

Municipal Engineering Directorate
7, K.B. Bose Rd. (2nd floor) Barasat, North 24-Pgs
Kolkata-700 124

As per record
for No. 24359307 -
[Signature]

No. : No. : MED/PRG-1/ 528/1K-8/08.

Date:- 18.11.2010.

To
✓ The Project Director,
CMU,
ILGUS Bhavan, HC Block
Sector - 3, Bidhannagar
Kolkata - 700 006



Sub : Vetting of 2 schemes under KUSP.

Sir,

I am to enclose herewith a copy of the letter Chairman, Madhyamgram Municipality bearing no MM/chair/1629/2010-2011 dated 12.11.10 in connection with the above for your perusal.

Accordingly, I am to forward herewith 2 schemes each in triplicate duly being vetted from this end for taking necessary action from your end.

Sl. no.	Name of Work	Vetted amount including 3% contingency
1.	Extension of 2 nd floor Part of NSC Bose Specialised Hospital cum Research Centre under Madhyamgram Municipality (Part - II)	24,35,930.00
2.	1 st Floor extension of Market Complex under LED (KUSP)	22,67,027.00

Thanking you,

Enclo. : As stated

Yours faithfully,

[Signature]
18/11/10
Executive Engineer
24-Pgs. Division - I
M.E.D.
24-Parganas Division-1
Municipal Engineering Directorate
Government of West Bengal

No. : No. : MED/PRG-1/

Copy with copies of vetted estimates forwarded for information to

:

- 1) The Superintending Engineer, East Circle, M.E.D., Bikash Bhavan, Salt Lake City, Kolkata - 700 091.
- 2) The Chairman, Madhyamgram Municipality.

Executive Engineer
24-Pgs. Division. - I
M.E.Dte

Allotment - 17.63

Accorded - 17.63

Exp till Oct '10 - 17.62

Balance - 0.01

MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

ESTIMATE FORM

Name of Work- 1st Floor extension of Market Complex under LED (KUSP) fund.

Sub Head :-

Estimated Amount 22,67,027 2134480

Fund :- Shaded from KUSP
(LED)

SCHEDULE FOLLOWED P.W.D. BUILDING 2010

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
Super Structure (1st Floor).					
1	P-33, It.5 Nominal mix M-15(1:2:4) Cement conc. with graded stone chips(20mm. Size) excluding shuttering and reinforcement if any in ground floor. a) Pakur/Chandil variety. i) 1st Floor	60.54	Cum.	5063.85 5060.16	306567.30 306342.09
2	P-61, It.12 Hire and labour charges for shuttering with centering and necessary staging upto 4m. Using approved stout props and thick hard wood planks of approved thickness with required bracing concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works(upto roof of ground floor) a) 25mm. to 30mm. thick wooden shuttering as per....E.I.C.complete. i) 1st Floor.	495.00 511.01	Sqm.	276.88	141438.41 131518.00
3	P-65, It.15 Reinforcement for reinforced concrete work in all sorts of structure including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust(if necessary) cutting..... as per drawing and direction (a) For all works in foundation, basement and upto roof of ground floor/upto 4m. (i) Tor steel/Mid steel. i) 1st Floor	4.75 5.702	M.T	56257.70 56257.60	267223.60 267223.60
4	P-69, It.22 Brick work with 1st class bricks in cement mortar (6:1) 1) In Superstructure ground floor. i) 1st Floor	66.500	Cum.	4288.35	285175.28
5	P-73, It. b) 125mm.th. B/W. in cement sand mortar (1:4) i) 1st Floor.	119.00	Sqm.	566.20 566.08	67377.80 67363.52

6	P-319,lt. Plaster(to wall, floor, ceiling etc.) with sand and cement mortar incl. Rounding off or chafferring corners as directed and racking out joints of roughening of conc. surface incl.throating, nosing and drip course where necessary. a) 10mm. th. 4:1 (Ceiling Plaster) i) 1st Floor.				
	b) 15 mm. th (4:1) (Inside Plaster) i) 1st Floor.	294 ✓	Sqm.	98.05 98.01	28826.70 28814.94
	c) 15 mm. th (4:1) (Outside Plaster) i) 1st Floor.	468.00 ✓	Sqm.	107.99	50520.60
		315.00 ✓	Sqm.	127.43	40140.45
7	P-179,lt.1 Wood work in door & window frame fitted & fixed complete including a protective coat of painting at the contact surface of the frame. (b) Sal: Siliguri i) 1st Floor.			126.15	39425.40 ✓
		0.30 ✓	Cum.	59732.00	17919.6
8	P-189,lt.18 M.S. Clamp for fixing door and window frame made of flat bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) fitted and fixed complete as per direction. (Cost. Of cement concrete will be paid separately) (a) 40 m.m. x6 m.m., above 250 m.m. upto 350m.m. length i) 1st Floor.				
		48.00 ✓	No.	34.3	1646.4
9	P-91,lt. Artificial stone in floor, dado, staircase etc. with cement concrete (6:1) with stone chips,using cement @ 1.75 Kg/sqm. all complete incl.all materials and labour. In ground floor. i) 1st Floor.				
		199.660 ✓	Sqm.	222.32	44388.41
10	P- 105 , lt. 23 Supplying fitting & fixing marbel slab 18 mm thick in floor Etc. as per direction of Engineer in charge. i) 1st Floor.				
		305.00 ✓	Sqm.	1832.31 4327.31	406334.55 404829.55
11	P- 227 , lt. 84 (iii)(b) & Panel Shutter of door and window, as per design (each panel consisting of single plank without joint)..... i) 1st Floor.				
		15.00 ✓	Sqm.	2472.97	37094.55
12	P-229,lt.154 Supplying and fitting fixing P.V.C. door frame i) 1st Floor.				
		23.50 ✓	M.	252.70	5938.45

13	P-300, It. 155 Supplying and fitting fixing P.V.C. door shutter of approved make. i) 1st Floor.	7.50	Sqm.	2038.67	15290.03
14	P-155, It. 10 a) M.S. or W.I. ornamental grill or approved design joints continuously welded with M.S. W.I. flats and bars for windows, railing etc. fitted and fixed....with necessary screws & lugs in ground floor. i) Grill weighing above 10kg.to 16kg. Sqm. i) 1st Floor	202.00	K.g	64.46 67.01	13020.92 13536.02
15	P-111, It. 30 Supplying fitting & fixing 1st quality ceramic tiles in walls and floors to match..... material etc. (B) Wall i) 1st Floor.	50.00	Sqm.	723.93 724.93	36496.50 36246.50
16	P-199, It. 27 (b). Iron hasp bolt of approved quality fitted and fixed complete (oxide) with 16mm dia rod with center both and round fitting 250mm long. i) 1st Floor.	6.00	No.	173.54	1041.24
17	P-191, It. 20 (vii). Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark oxidized fittings 100mm x 75mm x 3.50mm i) 1st Floor	32.00	No.	68.74	2199.68
18	P-237, It. 91 (D) sup. In 8m sheet Shutter of 2/3rd panel and 1/3rd glazed of doors and windows as per design..... hinges etc. and other fittings., i) 1st Floor.	0.000 23.30	Sqm.	563.97 2586.81	15117.20 0.00
19	P-335, It. 16 Applying decorative cement based paint of approved quality after preparing Manufacturer's specification. i) 1st Floor.	468.00 315	Sqm.	39.74	12518.10 18598.32
20	P-169, It. 33 Supplying fitting & Fixing windows and ventilatoros with or without integrated grills conforming to I.S.1038-1975 & manufactured from rolled steel s ection conforming to I.S.7452- 1974....cement conc.(1:2:4) with stone chips 19mm. down...in G.F....and horizontal glazing bars with or without fixed type ventilators. i) 1st Floor	23.30	Sqm.	1846.17	43015.76

21	P-159, Lt. 15. Collapsible gate with 40mm.x40mm.x6mm.tee as top and bottom guide rail 20mm.x10mm.x2mm vertical channels 100mm. Apart in fully stretched position 20mm.x5mm. M.S. flats as collapsible bracing properly rivetted and washered including 38 mm. chasing etc. in walls, floors etc. and making good damages complete. i) 1st Floor	16.160	Sqm.	2953.75	47732.60
22	P- 343 , Lt. 7 Priming one coat on timber or plastered surface with synthetic oil bound primer of approved..... Prepaing etc. i) 1st Floor.	64.00	Sqm.	28.38	1816.32
23	P- 343 , Lt.8 Painting with best quality synthetic enamel paint of approved..... on the surface, if necessary: (a) Two coats on timber: i) 1st Floor. (b) Two coats on steel: i) 1st Floor	30.70 33.30	Sqm. Sqm.	57.17 54.14	1755.12 1802.86
24	P-341, Lt.5 Rendering the surface of walls and ceiling with plaster of paris (thickness not less than 1.5 mm.) i) 1st Floor.	315.000 468.00	Sqm.	55.25	25857.00 17403.75
25	P - 362, Lt. 20. Dry distempering to interior walls or ceiling with a coat of priming including cleaning washing smoothing surface. (b) Two coat. i) 1st Floor.	315.00 468.00	Sqm.	32.32	15125.76 10180.80
26	P- 363 , Lt. 21 (A)(ii) Supplying fitting & fixing UPVC pipes A-type and fitting confirming to IS code..... 110 mm dia i) 1st Floor.	24.00	M	260.48	6251.52
Total Rs.					1905785.95
5% Sanitary / Plumbing on Building Part of Rs.					95289.80
7% Electrification on Building Part of Rs.					133405.02
Grand Total Rs. (After including Electrification & Sanitary / Plumbing)					2134480.26
Say Rs.					2134480

Contingency 31. 65395.00
@ 2% 21798.33
22,67,026.81

Sig. of S.A.E.

Sub-Assistant Engineer
Madhyamgram Municipality
North 24-Parganas

18.11.10
Sub-Asstt. Engineer
24 Pgs. Division-I
M.E. Directorate
Govt. of West Bengal

Sig. of A.E.

Asst. Engineer
Madhyamgram Municipality
North 24-Parganas

13/11/2010
Assistant Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

Sig. of Chairman

Chairman
Madhyamgram Municipality
North 24-Parganas

18/11/10
Executive Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

MADHYAMGRAM MUNICIPALITY

FORM 98

(Vide Rule 147)

ESTIMATE FORM

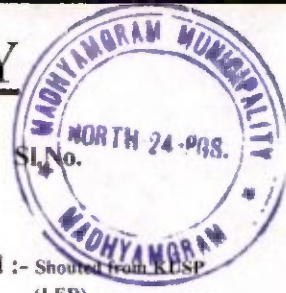
Estimate No.

Name of Work- 1st Floor extension of Market Complex under LED (KUSP) fund.

Sub Head :-

Estimated Amount ~~2267027~~ 2134480-

Fund :- Shouted from KUSP (LED)



SCHEDULE FOLLOWED P.W.D. BUILDING 2010

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
Super Structure (1st Floor).					
1	P-33, It.5 Nominal mix M-15(1:2:4) Cement conc. with graded stone chips(20mm. Size) excluding shuttering and reinforcement if any in ground floor. a) Pakur/Chandil variety. i) 1st Floor.	60.54	Cum.	5060.16	306342.09
2	P-61, It.12 Hire and labour charges for shuttering with centering and necessary staging upto 4m. Using approved stout props and thick hard wood planks of approved thickness with required bracing concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works(upto roof of ground floor) a) 25mm. to 30mm. thick wooden shuttering as per....E.I.C.complete. i) 1st Floor.	475.00	Sqm.	276.88	131518.00
3	P-65, It.15 Reinforcement for reinforced concrete work in all sorts of structure including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust(if necessary) cutting..... as per drawing and direction (a) For all works in foundation, basement and upto roof of ground floor/upto 4m. (i) Tor steel/Mid steel. i) 1st Floor.	4.75	M.T	56257.60	267223.60
4	P-69, It.22 Brick work with 1st class bricks in cement mortar (6:1) 1) In Superstructure ground floor. i) 1st Floor.	66.500	Cum.	4288.35	285175.28
5	P-73, It. b) 125mm.th. B/W. in cement sand mortar (1:4) i) 1st Floor.	119.00	Sqm.	566.08	67363.52

6	P-319,lt. Plaster(to wall, floor, ceiling etc.) with sand and cement mortar incl. Rounding off or charferring corners as directed and racking out joints of roughening of conc. surface incl. throating, nosing and drip course where necessary. a) 10mm. th. 4:1 (Ceiling Plaster) i) 1st Floor.				
	b) 15 mm. th (4:1) (Inside Plaster) i) 1st Floor.	294	Sqm.	98.04	28826.70 28814.94
	c) 15 mm. th (4:1) (Outside Plaster) i) 1st Floor.	468.00	Sqm.	107.99	50520.60
		315.00	Sqm.	122.43	40140.45
7	P-179,lt.1 Wood work in door & window frame fitted & fixed complete including a protective coat of painting at the contact surface of the frame. (b) Sal: Siliguri i) 1st Floor	0.30	Cum.	59732.00	17919.6
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9	P-91,lt. Artificial stone in floor, dado, staircase etc. with cement concrete (6:1) with stone chips,using cement @ 1.75 Kg/sqm. all complete incl. all materials and labour. In ground floor. i) 1st Floor	199.660	Sqm.	222.32	44388.41
10	P- 105 , lt. 23 Supplying fitting & fixing marbel slab 18 mm thick in floor Etc. as per direction of Engineer in charge. i) 1st Floor.	305.00	Sqm.	1327.31	406356- 404829.55
11	P- 227 , lt. 84 (iii)(b) & Panel Shutter of door and window, as per design (each panel consisting of single plank without joint)..... i) 1st Floor.	15.00	Sqm.	2472.97	37094.55
12	P-229,lt.154 Supplying and fitting fixing P.V.C. door frame i) 1st Floor.	23.50	M.	252.70	5938.45

13	P-300, It. 155 Supplying and fitting fixing P.V.C. door shutter of approved make. i) 1st Floor.	7.50	Sqm.	2038.67	15290.03
14	P-155, It. 10 a) M.S. or W.I. ornamental grill or approved design joints continuously welded with M.S. W.I. flats and bars for windows, railing etc. fitted and fixed....with necessary screws & lugs in ground floor. i) Grill weighing above 10kg. to 16kg. Sqm. i) 1st Floor	202.00	K.g	64.46 67.01	13020.92 13536.02
15	P-111, It. 30 Supplying fitting & fixing 1st quality ceramic tiles in walls and floors to match..... material etc. (B) Wall i) 1st Floor.	50.00	Sqm.	729.93	36496.50 36246.50
16	P-199, It. 27 (b). Iron hasp bolt of approved quality fitted and fixed complete (oxide) with 16mm dia rod with center both and round fitting 250mm long. i) 1st Floor.	6.00	No.	173.54	1041.24
17	P-191, It. 20 (vii). Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark oxidized fittings 100mm x 75mm x 3.50mm i) 1st Floor.	32.00	No.	68.74	2199.68
18	P-237, It. 91 <i>Sup. of 2nd and 3rd Shu</i> <i>Shu Pan</i> Shutter of 2/3rd panel and 1/3rd glazed of doors and windows as per design..... hinges etc. and other fittings. i) 1st Floor.	0.000 <i>23.30</i>	Sqm.	562.97 2586.81	13117.20 0.00
19	P-335, It. 16 Applying decorative cement based paint of approved quality after preparing Manufacturer's specification. i) 1st Floor.	468.00 <i>315.10</i>	Sqm.	39.74	12518.10 18598.32
20	P-169, It. 33 Supplying fitting & Fixing windows and ventilators with or without integrated grills conforming to I.S.1038-1975 & manufactured from rolled steel s ection conforming to I.S.7452- 1974....cement conc.(1:2:4) with stonechips 19mm. down...in G.F....and horizontal glazing bars with or without fixed type ventilators. i) 1st Floor	23.30	Sqm.	1846.17	43015.76

21	P-159, It. 15. Collapsible gate with 40mm.x40mm.x6mm.tee as top and bottom guide rail 20mm.x10mm.x2mm vertical channels 100mm. Apart in fully stretched position 20mmx5mm. M.S. flats as collapsible bracing properly rivetted and washered including 38 mm. chasing etc. in walls, floors etc. and making good damages complete. i) 1st Floor	16.160	Sqm.	2953.75	47732.60
22	P- 343 , It. 7 Priming one coat on timber or plastered surface with synthetic oil bound primer of approved..... Prepaing etc. i) 1st Floor.	64.00	Sqm.	28.38	1816.32
23	P- 343 , It.8 Painting with best quality synthetic enamel paint of approved..... on the surface, if necessary: (a) Two coats on timber: i) 1st Floor. (b) Two coats on steel: i) 1st Floor	30.70 33.30	Sqm. Sqm.	57.17 54.14	1755.12 1802.86
24	P-341, It.5 Rendering the surface of walls and ceiling with plaster of paris (thickness not less than 1.5 mm.) i) 1st Floor.	345.000 468.0	Sqm.	55.25	25857.0 17403.75
25	P - 362, It. 20. Dry distempering to interior walls or ceiling with a coat of priming including cleaning washing smoothing surface. (b) Two coat. i) 1st Floor.	315.00 468.0	Sqm.	32.32	15125.76 10180.80
26	P- 363 , It. 21 (A)(ii) Supplying fitting & fixing UPVC pipes A-type and fitting confirming to IS code..... 110 mm dia i) 1st Floor.	24.00	M	260.48	6251.52
Total Rs.					1905785.95
5% Sanitary / Plumbing on Building Part of Rs.					95289.30
7% Electrification on Building Part of Rs.					133405.02
Grand Total Rs. (After including Electrification & Sanitary / Plumbing)					2134480.26
Say Rs.					2134480

Sig. of S.A.E.

Sub-Assistant Engineer
Madhyamgram Municipality
North 24-Parganas

Sub-Asstt. Engineer
24 Pgs. Division-I
M.E. Directorate
Govt. of West Bengal

Sig. of A.E.

Asst. Engineer
Madhyamgram Municipality
North 24-Parganas

Assistant Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

Sig. of Chairman

Chairman
Madhyamgram Municipality
North 24-Parganas

Vetted
Executive Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

ESTIMATE FORM



Name of Work-

Extension of 2nd floor of Part of NSC Bose Specialised Hospital cum Research Centre under Madhyamgram Municipality (Part - II).

Sub Head :-

Estimated Amount

2435930/-
2431243

Fund :- Shouted from KUSP
(Health)

SCHEDULE FOLLOWED P.W.D. BUILDING 2010

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
Super Structure (2nd Floor).					
1	P-33, It.5 Nominal mix M-15(1:2:4) Cement conc. with graded stone chips(20mm. Size) excluding shuttering and reinforcement if any in ground floor. a) Pakur/Chandil variety. i) 2nd Floor	28.40 29.81	Cum.	5122.76 5060.16	152709.67 143708.54
2	P-61, It.12. Hire and labour charges for shuttering with centering and necessary staging upto 4m. Using approved stout props and thick hard wood planks of approved thickness with required bracing concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works(upto roof of ground floor) a) 25mm. to 30mm. thick wooden shuttering as per....E.I.C.complete. i) 2nd Floor. a) Steel / Ply Shutter.	314.00 306.70	Sqm.	333.12	102167.90 104599.68
3	P-65, It.15 Reinforcement for reinforced concrete work in all sorts of structure including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust(if necessary) cutting..... as per drawing and direction (a) For all works in foundation, basement and upto roof of ground floor/upto 4m. (i) Tor steel/Mid steel. i) 2nd Floor	4.45 4.68	M.T	56561.00	260705.48 251696.45
4	P-69, It.22 Brick work with 1st class bricks in cement mortar (6:1) 1) In Superstructure ground floor. i) 2nd Floor.	8.660 9.49	Cum.	4556.06 4355.34	41339.00 37717.24
5	P-73, It. b) 125mm.th. B/W. in cement sand mortar (1:4) i) 2nd Floor.	307.00	Sqm.	573.24 573.22	176015.38 175978.54

6	P-319, It. 1 Plaster (to wall, floor, ceiling etc.) with sand and cement mortar incl. Rounding off or chamfering corners as directed and racking out joints of roughening of conc. surface incl. throating, nosing and drip course where necessary. a) 10mm. th. 4:1 (Ceiling Plaster) i) 2nd Floor.				
	b) 15 mm. th (6:1) (Inside Plaster) i) 2nd Floor.	448	Sqm.	100.24	44925.44
	c) 15 mm. th (6:1) (Outside Plaster) i) 2nd Floor.	585.60	Sqm.	116.64	68304.38
		389.56	Sqm.	117.54	45788.88
7	P-179, It. 1 Wood work in door & window frame fitted & fixed complete including a protective coat of painting at the contact surface of the frame. (b) Sal: Siliguri (Local) i) 2nd Floor.				50187.01
		0.32	Cum.	59932.00	19178.24
8	P-189, It. 18 M.S. Clamp for fixing door and window frame made of flat bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) fitted and fixed complete as per direction. (Cost. Of cement concrete will be paid separately) (a) 40 m.m. x 6 m.m., above 250 m.m. upto 350m.m. length i) 2nd Floor.				1646.40
		24.00	No.	34.3	823.2
9	P-105, It. 23 Supplying fitting & fixing marble slab 18 mm thick in floor Etc. as per direction of Engineer in charge. i) 2nd Floor.				133731
		495.00	Sqm.	1327.31	66198.45
10	P-227, It. 84 (iii)(b) & Panel Shutter of door and window, as per design (each panel consisting of single plank without joint)..... i) 2nd Floor.				
		20.16	Sqm.	2490.82	50214.93
11	P-299, It. 154 Supplying and fitting fixing P.V.C. door frame i) 2nd Floor.				
		19.00	M	252.70	4801.30
12	P-300, It. 155 Supplying and fitting fixing P.V.C. door shutter of approved make. i) 2nd Floor.				
		6.00	Sqm.	2038.67	12232.02

13	P-155, It. 10 a) M.S. or W.I. ornamental grill or approved design joints continuously welded with M.S. W.I. flats and bars for windows, railing etc. fitted and fixed....with necessary screws & lugs in ground floor. i) Grill weighing above 10kg. to 16kg. Sqm. ii) 2nd Floor	165.00	K.g	70.00	11550.00
14	P-341, It. 5 Rendering the surface of walls and ceiling with plaster of paris (thickness not less than 1.5 mm.) ii) 2nd Floor	1033.000	Sqm.	55.25	57073.25
15	P- 197 , It. 25 Iron socket bolt of approved quality fitted and fixed complete. e) 300 mm long x 10 mm dia bolt. ii) 2nd Floor	8.00	No.	100.68	805.44
16	P- 111 , It. 30 Supplying fitting & fixing 1st quality ceramic tiles in walls and floors to match..... material etc. (B) Wall ii) 2nd Floor	80.00	Sqm.	734.93	58794.40
17	P- 21, It. 01. Dismantling all types of masonry excepting cement plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.. ii) 2nd Floor	2.70	No.	306.64	827.93
18	P- 21, It. 03. Dismantling R.C floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars. ii) 2nd Floor	4.66	No.	1240.99	5783.01
19	P-169, It. 33 Supplying fitting & Fixing windows and ventilators with or without integrated grills conforming to I.S.1038-1975 & manufactured from rolled steel section conforming to I.S.7452-1974....cement conc.(1:2:4) with stone chips 19mm. down...in G.F....and horizontal glazing bars with or without fixed type ventilators. ii) 2nd Floor	42.75	No.	1846.17	78923.77

20	P-160, It. 15., Collapsible gate with 40mm.x40mm.x6mm.tee as top and bottom guide rail 20mm.x10mm.x2mm vertical channels 100mm. Apart in fully stretched position 20mmx5mm. M.S. flats as collapsible bracing properly rivetted and washered including 38 mm. chasing etc. in walls, floors etc. and making good damages complete. i) 2nd Floor	18.750	Sqm.	2983.00	55931.25
21	P- 335 , It. 16 Applying decorative cement based paint of approved quality after preparing Manufacturer's specification. i) 2nd Floor	389.00	Sqm.	39.74	15458.86
22	P- 351, It. I (ii) Supplying Best Indian Sheet Glass panes set in putty and fitted and fixed with nails and putty complete. i) 2nd Floor	244.70 + 2.75	Sqm.	562.97 526.97	26,066.36 128949.56
23	P- 343 , It. 7 Priming one coat on timber or plastered surface with synthetic oil bound primer of approved..... Prepaing etc. i) 2nd Floor	86.75	Sqm.	28.38	2461.97
24	P- 343 , It. 8 Painting with best quality synthetic enamel paint of approved..... on the surface, if necessary: (a) Two coats on timber: i) 2nd Floor. (b) Two coats on steel: i) 2nd Floor	40.32 46.43	Sqm. Sqm.	57.17 54.14	2305.09 2513.72
25	P - 362, It. 20. Dry distempering to interior walls or ceiling with a coat of priming including cleaning washing smoothing surface. (b) Two coat.	1033.00	Sqm.	32.32	33386.56
26	P- 363 , It. 21 (A)(ii) Supplying fitting & fixing UPVC pipes A-type and fitting confirming to IS code..... 110 mm dia i) 1st Floor	24.00	M	260.48	6251.52
Total Rs.					2077985.71
9% Sanitary / Plumbing on Building Part of Rs.					187018.71
8% Electrification on Building Part of Rs.					166238.86
Grand Total Rs. (After including Sanitary / Plumbing & Electrification)					2431243.28
Say Rs.					(2431243

Conting. @ 3%

@ 1%

20027690.58

180249.28

160221.58

2342240.40

70267.21

23422.24

2435929.85

Sig. of S.A.E.

Sub-Assistant Engineer
Madhyamgram Municipality
North 24-Parganas

Sub-Asstt. Engineer
24 Pgs. Division-I
M.E. Directorate
Govt. of West Bengal

Sig. of A.E.

Asst. Engineer
Madhyamgram Municipality
North 24-Parganas

Assistant Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

Sig. of Chairman

Chairman
Madhyamgram Municipality
North 24-Parganas

Vetted
Executive Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

Sl. No.

ESTIMATE FORM

Name of Work-

Extension of 2nd floor of Part of NSC Bose Specialised Hospital cum Research Centre under Madhyamgram Municipality (Part - II).

Sub Head :-

Estimated Amount

2435930/-
2431243

Fund :- Shouted from KUSP
(Health)

SCHEDULE FOLLOWED P.W.D. BUILDING 2010

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
Super Structure (2nd Floor).					
1	P-33, It.5 Nominal mix M-15(1:2:4) Cement conc. with graded stone chips(20mm. Size) excluding shuttering and reinforcement if any in ground floor. a) Pakur/Chandil variety. i) 2nd Floor	28.40 29.81	Cum.	5122.76 5067.88 5060.16	152709=47 152709=47 143708.54
2	P-61, It.12. Hire and labour charges for shuttering with centering and necessary staging upto 4m. Using approved stout props and thick hard wood planks of approved thickness with required bracing concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works(upto roof of ground floor) a) 25mm. to 30mm. thick wooden shuttering as per....E.I.C.complete. i) 2nd Floor. a) Steel / Ply Shutter.	314.00 306.7	Sqm.	333.12 333.12 333.12	102167=90 102167=90 104599.68
3	P-65, It.15 Reinforcement for reinforced concrete work in all sorts of structure including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust(if necessary) cutting..... as per drawing and direction (a) For all works in foundation, basement and upto roof of ground floor/upto 4m. (i) Tor steel/Mid steel. i) 2nd Floor	4.45 4.63	M.T	56561.00	264705=48 264705=48 251696.45
4	P-69, It.22 Brick work with 1st class bricks in cement mortar (6:1) 1) In Superstructure ground floor. i) 2nd Floor.	8.660 9.49	Cum.	4355.34	41339=00 41339=00 37717.24
5	P-73, It. b) 125mm.th. B/W. in cement sand mortar (1:4) i) 2nd Floor.	307.00	Sqm.	573.22	176015=38 176015=38 175978.54

6	P-319, It. 1 Plaster (to wall, floor, ceiling etc.) with sand and cement mortar incl'd. Rounding off or chafferring corners as directed and racking out joints of roughening of conc. surface incl'd. throating, nosing and drip course where necessary. a) 10mm. th. 4:1 (Ceiling Plaster) i) 2nd Floor.				
	b) 15 mm. th (6:1) (Inside Plaster) i) 2nd Floor.	448	Sqm.	100.28 100.24	44925.44 44907.52
	c) 15 mm. th (4:1) (Outside Plaster) i) 2nd Floor.	585.60	Sqm.	110.22 116.64	64844.8 68304.38
		389.56	Sqm.	128.83 117.54	45788.88
7	P-179, It. 1 Wood work in door & window frame fitted & fixed complete including a protective coat of painting at the contact surface of the frame. (b) Sal: Siliguri (Local) i) 2nd Floor.				50187.01
		0.32	Cum.	59932.00	19178.24
8	P-189, It. 18 M.S. Clamp for fixing door and window frame made of flat bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) fitted and fixed complete as per direction. (Cost. Of cement concrete will be paid separately) (a) 40 m.m. x 6 m.m., above 250 m.m. upto 350m.m. length i) 2nd Floor.				
		24.00	No.	34.3	1646.40 823.2
9	P-105, It. 23 Supplying fitting & fixing marble slab 18 mm thick in floor Etc. as per direction of Engineer in charge. i) 2nd Floor.				
		495.00	Sqm.	1337.31 1327.31	661968.45 657018.45
10	P-227, It. 84 (iii)(b) & Panel Shutter of door and window, as per design (each panel consisting of single plank without joint)..... i) 2nd Floor.				
		20.16	Sqm.	2490.82	50214.93
11	P-299, It. 154 Supplying and fitting fixing P.V.C. door frame i) 2nd Floor.				
		19.00	M	252.70	4801.30
12	P-300, It. 155 Supplying and fitting fixing P.V.C. door shutter of approved make. i) 2nd Floor.				
		6.00	Sqm.	2038.67	12232.02

4	P-155, It. 10.				
13	a) M.S. or W.I. ornamental grill or approved design joints continuously welded with M.S. W.I. flats and bars for windows, railing etc. fitted and fixed....with necessary screws & lugs in ground floor. i) Grill weighing above 10kg. to 16kg. Sqm.				
	i) 2nd Floor	165.00	K.g	70.00	11550.00
14	P-341, It. 5 Rendering the surface of walls and ceiling with plaster of paris (thickness not less than 1.5 mm.)				
		1033.000	Sqm.	55.25	57073.25
15	P- 197 , It. 25 Iron socket bolt of approved quality fitted and fixed complete. e) 300 mm long x 10 mm dia bolt.				
	i) 2nd Floor	8.00	No.	100.68	805.44
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	i) 2nd Floor	2.70	No.	306.64	827.93
18	P- 21, It. 03. Dismantling R.C floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.				
	i) 2nd Floor	4.66	No.	1240.99	5783.01
19	P-169, It. 33 Supplying fitting & Fixing windows and ventilators with or without integrated grills conforming to I.S. 1038-1975 & manufactured from rolled steel section conforming to I.S. 7452-1974....cement conc. (1:2:4) with stone chips 19mm. down...in G.F....and horizontal glazing bars with or without fixed type ventilators.				
	i) 2nd Floor	42.75	No.	1846.17	78923.77

20	P-160, It. 15, Collapsible gate with 40mm.x40mm.x6mm.tee as top and bottom guide rail 20mm.x10mm.x2mm vertical channels 100mm. Apart in fully stretched position 20mmx5mm. M.S. flats as collapsible bracing properly rivetted and washered including 38 mm. chasing etc. in walls, floors etc. and making good damages complete. i) 2nd Floor	18.750	Sqm.	2983.00	55931.25
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22	P- 351, It. I (ii) Supplying Best Indian Sheet Glass panes set in putty and fitted and fixed with nails and putty complete. i) 2nd Floor.	244.70 42.75	Sqm.	562.97 526.97	24066.26 128949.56
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24	P- 343 , It.8 Painting with best quality synthetic enamel paint of approved..... on the surface, if necessary: (a) Two coats on timber: i) 2nd Floor. (b) Two coats on steel: i) 2nd Floor.	40.32 46.43	Sqm. Sqm.	57.17 54.14	2305.09 2513.72
25	P - 362, It. 20. Dry distempering to interior walls or ceiling with a coat of priming including cleaning washing smoothing surface. (b) Two coat	1033.00	Sqm.	32.32	33386.56
26	P- 363 , It. 21 (A)(ii) Supplying fitting & fixing UPVC pipes A-type and fitting confirming to IS code..... 110 mm dia i) 1st Floor.	24.00	M	260.48	6251.52
Total Rs.					2077985.71
9% Sanitary / Plumbing on Building Part of Rs.					187018.71
8% Electrification on Building Part of Rs.					166238.86
Grand Total Rs. (After including Sanitary / Plumbing & Electrification)					2431243.28
Say Rs.					2431243

Sig. of S.A.E.

Sub-Assistant Engineer
Madhyamgram Municipality
North 24-Parganas

Sub-Assst. Engineer
24 Pgs. Division-I
M.E. Directorate
Govt. of West Bengal

Sig. of A.E.

Asst. Engineer
Madhyamgram Municipality
North 24-Parganas

Assistant Engineer,
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal

Sig. of Chairman

Chairman
Madhyamgram Municipality
North 24-Parganas.

Executive Engineer
24 Pgs. Division-I
M. E. Directorate,
Govt. of West Bengal



HOWRAH MUNICIPAL CORPORATION

Central Office : 4, Mahatma Gandhi Road, Howrah - 711 101

Tele : (91-033) 2638-3211 - 13, Fax : (91-033) 2641-2214/5846/5218

Webseite : www.hmc.org.in, Grievance Redressal (Citizens' Charter) : 91-33-26370209

Memo No: H-319/10-11

Date: 14/12/2010

From:
Health Officer
Howrah Municipal Corporation
Howrah.

ATTN DR Sibani goswami.

To:
P. Bhogilal Inc.
119A, Chitttanjan Avenue,
Kolkata-700 073.

Sub: **Work order** for supply, installation and commissioning of E.C.G. Machine (Option-I)
Schiller- AT 301 single Channel.

Estimated Amount: Rs. 23,500.00 + Vat + CMC for 4 years.

Ref : Tender Notice No H-253/G(10-11)dated: 03.09.2010



Sir,

This has reference to our Tender Notice No. H-253/G(10-11) Dated 03.09.2010, your subsequent offer No. T-118/10-11 dated 18.09.2010 submitted against the same from the above mentioned subject.

In this connection I would like to inform you that offer for supply, installation and commissioning of E.C.G. Machine (Option-I) Schiller-AT 301 single Channel @ 23,500.00 + Vat + CMC for 4 Years has been accepted by H.M.C. as per terms & condition stipulated in the notice.

You are requested to submit S.T. clearance in original from No. 58 as per Sec. 94 (1) of W.S.S.T. Act. 94/Vat duly filled as well as S.T.Regd.Certificates and Xerox copy of Income Tax PAN. Time of supply, installation and commissioning of E.C.G. Machine (Option-I) Schiller-AT 301 single Channel is 7 days from the date of receipt of this work order. Payment however will be released only after satisfactory delivery of materials/completion of work. Taxes will be deducted at source where it will be applicable. This order has been given as per M.I.C. dated 25.11.2010.

Yours faithfully,

Sd/
Acting Health officer.
Howrah Municipal Corporation

Memo No: H-319/10-11

Date: 14.12.10

Copy To:-

- 1) Hon'ble Mayor, H.M.C
- 2) Hon'ble Dy. Mayor
- 3) Project Director, KUSP
- 4) Commissioner, H.M.C
- 5) Controller of Finance
- 6) Project Officer, Health, SUDA
- 7) Office copy

[Signature]
Acting Health officer.
Howrah Municipal Corporation
Health Officer
Howrah Municipal Corporation



HOWRAH MUNICIPAL CORPORATION

Central Office : 4, MAHATMA GANDHI ROAD, HOWRAH - 711 101

Tele : 2660-3211 - 12, 2641 6550 Fax : (91-033) 2641-2214/2641-3636/2641-5218

Memo No: -14-319/10-11

Date: -14/12/2010

From:
Health Officer
Howrah Municipal Corporation
Howrah.

To:
P. Bhogilal Inc.
119A, Chitttta ranjan Avenue.
Kolkata-700 073.

Sub: **Work order for supply, installation and commissioning of E.C.G. Machine (Option-I)**
Schiller- AT 301 single Channel.

Estimated Amount: Rs. 23,500.00 + Vat + CMC for 4 years.

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Yours faithfully,

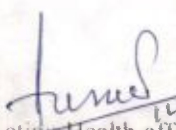

Acting Health officer.
Howrah Municipal Corporation

Memo No- H-319/3/10-11

Date: - 14.12.10

Copy To:-

- 1) Hon'bel Mayor, H.M.C
- 2) Hon'bel Dy. Mayor
- 3) Project Director, KUSP
- 4) Commissioner, H.M.C
- 5) Controller of Finance
- 6) Project Officer, Health, SUDA
- 7) Office copy


Acting Health officer.
Howrah Municipal Corporation

Health Officer
Howrah Municipal Corporation



HOWRAH MUNICIPAL CORPORATION

Central Office : 4, Mahatma Gandhi Road, Howrah - 711 101

Tele : (91-033) 2638-3211 - 13, Fax : (91-033) 2641-2214/5846/5218

Website : www.hmc.org.in, Grievance Redressal (Citizens' Charter) : 91-33-26370209

Memo No:- H-318/10-11

Date:- 14/12/2010

From:
Health Officer
Howrah Municipal Corporation
Howrah.

ATTN DR Sibani Goswami

To:
Pascog Agency
11 BL-39, Thakur Ramkrishna Lane,
Belurmath,
Howrah-711 202.

Sub: Work order for supply, installation and commissioning of U.S.G. Machine
Philips- HD 6 Ultra Sound System 3 Probes.
Estimated Amount: Rs. 11,49,000.00 + Vat + CMC for 2 Years.

Ref: Tender Notice No H-253/G (10-11) dated: 03.09.2010

Sir,

This has reference to our Tender Notice No. H-253/G(10-11) Dated 03.09.2010 your subsequent offer No. PA/9/2010-2011 dated 20.09.2010 Submitted against the same from the above mentioned subject.

In this connection I would like to inform you that offer for supply, installation and commissioning of U.S.G. Machine Philips- HD 6 Ultra Sound System 3 Probes. @ 11, 49,000.00 + Vat + CMC for 2 Years. has been accepted by H.M.C. as per terms & condition stipulated in the notice.

You are requested to submit S.T. clearance in original from No. 58 as per Sec. 94 (1) of W.S.S.T.

Act.94/Vat duly filled as well as S.T.Regd.Certificates and Xerox copy of Income Tax PAN. Time of supply, installation and commissioning of U.S.G. Machine Philips- HD 6 Ultra Sound System 3 Probes is 7 days from the date of receipt of this work order. Payment however will be released only after satisfactory delivery of materials/completion of work. Taxes will be deducted at source where it will be applicable. This order has been given as per M.I.C. dated 25.11.2010.

Yours faithfully,

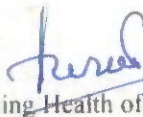

Acting Health officer.
Howrah Municipal Corporation

Memo No- H-318/6/10-11

Date:- 14/12/10

Copy To:-

- 1) Hon'bel Mayor, H.M.C
- 2) Hon'bel Dy. Mayor
- 3) Project Director, KUSP
- 4) Commissioner, H.M.C
- 5) Controller of Finance
- 6) Project Officer, Health, SUDA
- 7) Office copy


Acting Health officer.
Howrah Municipal Corporation

Health Officer
Howrah Municipal Corporation



HOWRAH MUNICIPAL CORPORATION

Central Office : 4, MAHATMA GANDHI ROAD, HOWRAH - 711 101

Tele : 2660-3211 - 12, 2641 6550 Fax : (91-033) 2641-2214/2641-3636/2641-5218

Memo No:- H-318/10-11

Date:- 14/12/2010

From:
Health Officer
Howrah Municipal Corporation
Howrah.

To:
Pascog Agency
11 BL-39, Thakur Ramkrishna Lane,
Belurmah,
Howrah-711 202.

Sub: **Work order for supply, installation and commissioning of U.S.G. Machine Philips- HD 6 Ultra Sound System 3 Probes.**

Estimated Amount: Rs. 11,49,000.00 + Vat + CMC for 2 Years.

Ref: Tender Notice No H-253/G (10-11) dated: 03.09.2010

Sir,

This has reference to our Tender Notice No. H-253/G(10-11) Dated 03.09.2010 your subsequent offer No. PA/9/2010-2011 dated 20.09.2010 Submitted against the same from the above mentioned subject.

In this connection I would like to inform you that offer for supply, installation and commissioning of U.S.G. Machine Philips- HD 6 Ultra Sound System 3 Probes. @ 11, 49,000.00 + Vat + CMC for 2 Years. has been accepted by H.M.C. as per terms & condition stipulated in the notice.

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Yours faithfully,

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Acting Health officer.
Howrah Municipal Corporation

Date:- 14/12/10

Memo No- H-318/3/10-11

Copy To:-

- 1) Hon'ble Mayor, H.M.C
- 2) Hon'ble Dy. Mayor
- ✓ 3) Project Director, KUSP
- 4) Commissioner, H.M.C
- 5) Controller of Finance
- 6) Project Officer, Health, SUDA
- 7) Office copy

Ambedkar
Acting Health officer.
Howrah Municipal Corporation
Health Officer
Howrah Municipal Corporation

2654 2236
2654 0079
2654 2491
2654 7052



Bally Municipality

384 Grand Trunk Road : Bally : Howrah.

↓ baly_02@sify.com



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Memo No. BM/01760/X-4

Date: 30.11.2010

From: Shri Arunabha Lahiri
Chairman, Bally Municipality

To: M/S Star Electronics
N-E, Noapara, Barasat,
Kolkata-700 125



Health Ex-
14/11

Subject: **Work Order for supplying Medical Equipments for Kedar Nath Arogya Bhaban under KUSP Health Care Fund 2009-11.**

Reference :NIT No. BM/00064/KNA/KUSP/10-11, Dated:Bally, the 20th November,2010
Sir,

Pursuant to the resolution adopted in the Chairman-in-Council Meeting dated 29.11.2010, you have been found to quote the least amount for supplying medical Equipments for Kedar Nath Arogya Bhavan, Bally under the KUSP Health Care Fund 2009-11.

As such you are requested to supply following Medical Equipments to the Store Department of Bally Municipality and install them at Bally Kedar Nath Arogya Bhaban, a Health Unit of Bally Municipality.

Sl. No.	Description of work	Amount in ₹
1.	Syringe Pump -1 Piece. Syringe 10 ml, 20ml, 30ml & 50ml <ul style="list-style-type: none"> Unique Injection Supervision Function Screen Display Rechargeable Battery Backup 	36,400.00
2.	Multi Parameter Monitors. 5 Para -1 Piece <ul style="list-style-type: none"> Colour TFT Display Selectable Screen Arrhythmia, ST segment analysis Portable & Light weight c NIBP and other features, accessories etc. 	98,800.00
3.	Foot Operated Suction Machine -1 Piece <ul style="list-style-type: none"> Diameter (Cons) :- 20 x 22 x 12 Weight (Gms) :- 1200 Capacity (ml) :- 500 Maximum Vacuum (mm of Hg) :- 300 Jar :- Polycarbonate, Unbreakable 	2,080.00
4.	C Pap Generator -1 Piece <ul style="list-style-type: none"> Sophisticated algorithms detecting flow limitation, snore, apnea and hypopnea. Clinically proven pressure adjusting strategies Date storage to a PC PC software for date processing and report 	1,14,400.00
5.	Fingertip Pulse Dosimeter -1 Piece <ul style="list-style-type: none"> Spoz Percentage & Pulse rate Display compact design. Plethysmograph Colour LCD 	6,240.00
6.	Pulse Oximeter (Single parameter monitors) - 1 Piece <ul style="list-style-type: none"> 14.4 cm (5.7") STN Blue LCD with backlit display Trend SpO2 and pulse Rate for last 24 hrs. Compact & Protoble (Optional Display) Parameters Displayed Plethysmograph Signal Strength Numeric Value of SpO2 and pulse Rate Pitch Tone Variation for different SpO2 values Built in rechargeable battery 	39,520.00

Contd.....

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Sl. No.	Description of work	Amount in ₹
7.	Foetal Doppler Suction Machine -1 Piece <ul style="list-style-type: none"> • Easy to use • Accurate FHR detection & LCD display • Automatic Power - off • Auto/Manual counting • Battery level indication • External headphone interface 	9,360.00
8.	Suction Machine - 1 Piece <ul style="list-style-type: none"> • Cabinet made of mild steel sheet epoxy powder coated with stainless steel top • High - Powered Vacuum pump oil immersed assembled to 1/2 HP heavy duty motor • Two graduated glass bottles of 1.5 Ltr. each • Synthetic Air-tight rubber lids • Non Collapsible tubing • Overflow cut off device • Complete with Vacuum gauge fuse & fuse blower device • Vacuum Control knob • Vacuum - 700t 10mm Hg • Mounted on heavy duty castors 	11,440.00
9.	Diathermy Machine 300(Wts)- 1 Piece <ul style="list-style-type: none"> • Fully solid state design • Independent Monopole and Bipolar generators with isolated outputs • The Monopolar generator provides CUP (With switch selection of BLEND) and COAG facilities while the Biopolar generator is for desiccation • Biopolar Generator has Auto switching with dealy or footswitch control. • Operating modes are identified by audio tones and pannel lights. • 111 minated ON/OFF switch • Suitable for under water cut and COA 	71,760.00
Total		3,90,000.00

Thanking you,

Yours faithfully

Sd/-

Arunabha Lahiri

Chairman, Bally Municipality

Dated: 30.11.2010

Memo No. BM/01760/1(11)/2-4

Copy forwarded for information and taking necessary action to:

1. ✓ Shri Bharat Chandra Saha, IAS, Project Director CMU

ILGUS Bhavan, HC Block, Sector - 3, Bidhannagar, Kolkata - 700 106.

2. The Vice-Chairman, Bally Municipality.

3. The President, Standing Committee, Bally Kedar Nath Arogya Bhaban, Bally Municipality.

4. Dr. Abdul Hameed, Member, C.I.C., Bally Municipality.

5. The Executive Officer, Bally Municipality.

6. The Finance Officer, Bally Municipality.

7. The Health Officer, Bally Municipality.

8. The Accountant, Bally Municipality.

9. The Senior Clerk, Bally Kedar Nath Arogya Bhaban, Bally Municipality.

10. The Accounts Finance Co-ordinator, Bally Municipality.

11. The Store Department, Bally Municipality.

[Signature]
30.11.10

(Arunabha Lahiri)

Chairman, Bally Municipality

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2654 7052



Bally Municipality

384 Grand Trunk Road : Bally : Howrah.

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www.ballymunicipality.com

Memo No. BM/01663/X-4

Date: 15.11.2010

18

From: Shri Arunabha Lahiri
Chairman, Bally Municipality

To: M/S Nucleus Medical
25, Haramohan Ghosh Lane
Kolkata - 700 085



Health E.O.

Subject: **Work Order for Supplying Medical Equipments for the Physiotherapy cum First Aid Unit under Bally Municipality.**

Reference: **Tender Notice No.BM/00037/SJS/KUSP/10-11 , Dated 02.09.2010 and your Quotation dated 14.09.2010.**

Sir,

Pursuant to the resolution adopted in the Chairman-in-Council Meeting dated 28.09.2010, your unit quote has been found to be the least for supplying the following items:

SI No	PARTICULARS	Quantity	Manufacturer and Model
1	Spignomano meter (B.P.Instrument dial type brand)	5 numbers	Doctor, Japan
2	Suction Machine (High Vaccum Suction Unit ISI Marked)	1 number	KRL1/2HP
	Nebulizer (Compressor Nebulizer)	2 numbers	Medel (Aero Family)
3	Oxygen Cylinder (Capacity 40 cft) with accessories.	2 numbers	EKC
4	Glucometer (Roche Glucometer Model: ACCU CHECK Active).	2 numbers	Roche (Accu Check Active)

Hence you are hereby requested to supply the above mentioned items to Bally Municipality, 384, G.T.Road, Bally, Howrah.

An advance of 60% (₹ 30,331.20) of the total amount shall be paid on submission of the Proforma In Voice to this office and the rest of the 40% (₹ 20,220 .80) shall be paid after the delivery and installation of the said items.

Thanking you,

Yours faithfully

Sd/-

Arunabha Lahiri
Chairman, Bally Municipality



2654 2236

2654 0079

2654 2491



2654 7052

**Bally Municipality**

384 Grand Trunk Road : Bally : Howrah.



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Memo No. BM/01662/X-4

Date: 15.11.2010

T8

From: Shri Arunabha Lahiri
Chairman, Bally Municipality

To: M/S Nucleus Medical
25, Haramohan Ghosh Lane
Kolkata - 700 085

Subject: **Work Order for Supplying films for Digital X-Ray and Pathological Re-Agents.**

Reference: **Tender Notice No.BM/00040/LIL/KUSP/10-11 , Dated 02.09.2010 and your Quotation dated 14.09.2010.**

Sir,

Pursuant to the resolution adopted in the Chairman-in-Council Meeting dated 28.09.2010, your unit quote has been found to be the least for supplying the films for Digital X-Ray and Pathological Re-agents, the details of which are given below:

SL.No.	PARTICULARS		
1	Film for Digital X-RAY		
	Film Size	Company	Number
	10X12	Kodak	8 Packets
	8X12		8 Packets
2	14X17		3 Packets
	Pathological Re-Agents		
	Items		Number
	Agents for Master Key Re-Hormones		1000 tests
	Sugar		10 litres
	Urea		5 Packets
	Creatinine		5 Packets
	Uric Acid		5 Packets

Hence you are hereby being requested to supply the above mentioned items to Patit Paban Arogya Niketan (Liluah Charitable Dispensary), 230, G.T.Road, Belur Math, Howrah, near Belur Bazar which is a Health Unit under Bally Municipality.

An advance of 50% (₹ 68,051.00) of the total amount shall be paid on submission of the Proforma In Voice to this office and the rest of the 50% (₹ 68,051.00) shall be paid after the delivery of the said items.

Thanking you,

Yours faithfully

Sd/-

Arunabha Lahiri
Chairman, Bally Municipality



2654 2236

2654 0079

2654 2491



2654 7052

**Bally Municipality**

384 Grand Trunk Road : Bally : Howrah.



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www.ballymunicipality.com

Memo No. BM/01662/1(13)/X-4

Dated: 15.11.2010

T8

Copy forwarded for information and taking necessary action to:

- ✓ 1. Shri Bharat Saha, IAS, Project Director, CMU.
ILGUS Bhavan, HC Block, Sector – 3, Bidhannagar, Kolkata – 700 106
2. The Vice Chairman, Bally Municipality.
3. Abdul Hameed, Member CIC, Department of Public Health, Bally Municipality.
4. Shri Dilip Kumar Mitra, President, Patit Paban Arogya Niketan (Liluah Charitable Dispensary) and Pathological Clinic Standing Committee, Bally Municipality.
5. The Executive Officer, Bally Municipality.
6. The Finance Officer, Bally Municipality.
7. The Health Officer, Bally Municipality.
8. The Health Advisor, Bally Municipality.
9. The Office Superintendent, Bally Municipality.
10. The Accountant, Bally Municipality.
11. The Accounts & Finance Coordinator, Bally Municipality.
12. Shri Lokenath Banerjee, Clerk, Patit Paban Arogya Niketan and Pathological Clinic, Bally Municipality.
13. The Store Department, Bally Municipality.

(Arunabha Lahiri)
Chairman, Bally Municipality



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2654 2491



2654 7052

**Bally Municipality**

384 Grand Trunk Road : Bally : Howrah.



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Memo No. Bm/01663/1(12) (X-4)

Dated: 15.11.2010

18

Copy forwarded for information and taking necessary action to:

- ✓ 1. Shri Bharat Saha, IAS, Project Director, CMU.
ILGUS Bhavan, HC Block, Sector – 3, Bidhannagar, Kolkata – 700 106
2. The Vice Chairman, Bally Municipality.
3. Smt Sima Saha (Sharma), Member CIC, Poverty Alleviation
4. Abdul Hameed, Member CIC, Department of Public Health, Bally Municipality.
5. The Executive Officer, Bally Municipality.
6. The Finance Officer, Bally Municipality.
7. The Health Officer, Bally Municipality.
8. The Health Advisor, Bally Municipality.
9. The Office Superintendent, Bally Municipality.
10. The Accountant, Bally Municipality.
11. The Accounts & Finance Coordinator, Bally Municipality.
12. The Store Department, Bally Municipality.


 15.11.10

 (Arunabha Lahiri)
 Chairman, Bally Municipality

Telephone No. : 2561-5061

Fax No. 2540-8432(033)

Email: chairman_garulia@rediffmail.com

No. 23

Office of the Councillors, Garulia Municipality

From :

Sri Sunil Singh
CHAIRMAN, GARULIA MUNICIPALITY
P.O. Garulia, Dist. North 24 Parganas.



Health Ex.
23

To _____

To

The Project Director,
CMU, ILGUS BHAVAN,
Sector-III, Bidhannagar,
Kolkata - 700 106.

Dated, Garulia 16.11.2010

Sub : Request for additional fund for Procurement of necessary items in our Health Deptt. /

Dear Sir,

We would like to draw your kind attention that there is an emergent need to procure the necessary items for our Health Department in order to provide better health services to the citizens. In this regard we are requesting you to allow us the necessary fund for procurement of essential items for our Health Department.

We are herewith enclosing an estimate for your perusal and kind approval.

Thanking you,

Yours faithfully,

Sunil Singh
Chairman
Garulia Municipality

Encl : as stated above.



AA2 FS according vide no.
CMU-94/2003 Pt VII/1508
22.11.10

Estimate for Procurement of necessary items in Health Deptt. of Garulia Municipality

Sl.No.	Particulars	Quantity	Rate Rs.	Total Rs.	Remarks
1.	Weighing Machine	20 Pcs.	1,000/- per pc	20,000/-	Required at 19 Sub-Centres
2.	Stethoscope	22 Pcs.	500/- per pc	11,000/-	Required at 19 Sub-Centres & HAU's
3.	Baby Weighing Machine	22 Pcs.	1000/- per pc	22,000/-	Required at 19 Sub-Centres & HAU's and ESOPD
4.	Chair (Nilkamal)	100 Pcs.	700/- per pc	70,000/-	Required at 19 Sub-Centres & HAU's and ESOPD
5.	Wooden Table (4' x 2 ½')	5 Pcs.	3500/- per pc	17,500/-	ESOPD Building
6.	Bench wooden (5'x1')	22 Pcs.	2000/- per pc	44,000/-	Required at Sub-Centres
7.	Thermometers	5 Pcs.	100/- per pc	500/-	Sub-Centres
8.	Desk Top Computer with Dot Matrix Printer 80 Columns & UPS	1 Pcs each	42,000/- set	42,000/-	At ESOPD
9.	Almirah	5 Pcs.	7000/- per Pc.	35,000/-	At ESOPD
10.	Black Board	2 Pcs.	1500/- per pc	3,000/-	At ESOPD
11.	Steriliser	1 Pc.	5000/- per pc	5,000/-	At ESOPD
12.	Blood Pressure Instrument	23 Pcs.	800/- per pc	18,400/-	Required at 19 Sub-Centres & HAU's and ESOPD
13.	Stethoscope for foetal heart sound	3 Pcs.	700/- per pc	21,00/-	
14.	Patient Examination Table	10 Pcs.	5000/- per pc	50,000/-	
				3,40,500/-	



Chairman
Garulia Municipality



HALISAHAR MUNICIPALITY

No. 250/4/11

Date 4/10/10



Health Ex
88

To
The Project Director, CMU, KUSP
ILGUS Bhavan
HC-Block, Sector-3
Bidhannagar
Kolkata-700106

Sub: Submission of DPR regarding Procurement of **L&T Sonalisa 1000 Ultrasound Machine, Semi Automated 3- Strip Chemiluminescence's Analyzer, Clinical Biochemistry Analyzer, Electrolyte Analyzer-5 Parameters and Binocular Microscope Machines** for Diagnostic Center for under KUSP.

Sir,

I would like to draw your kind attention that total allotment of Health Project was Rs. 15.07 Lakh for 2009-2011 and the said amount has been utilized by Halisahar Municipality by 31st March, 2010. In addition to, 96.57% of utilization of other works has been submitted to CMU by June, 2010.

In this connection, I met you in your office and talked about our Diagnostic Center where some urgent need of machines. You also assured me that any fund is left under KUSP to be diverted to your municipality.

So, I am submitting a DPR on Procurement of **L&T Sonalisa 1000 Ultrasound Machine, Semi Automated 3- Strip Chemiluminescence's Analyzer, Clinical Biochemistry Analyzer, Electrolyte Analyzer-5 Parameters and Binocular Microscope Machines** for Diagnostic Center.

I request you to sanction the proposed proposal for Administrative Approval and Financial Sanction of the said project.

Kindly acknowledge the receipt.

Thanking you,

AA2 FS accorded
150984.22.11.10.
vde

Yours faithfully,

Ranjit
Chairman

Halisahar Municipality

Chairman
Halisahar Municipality

PO. Halisahar, PS. Bizpore, North 24 Parganas, PIN 743134

Ph. +91 33 2588-8414 / 2588-5952 • Fax. 2585-0226 • halisaharmycity@yahoo.co.in • www.halisahar.org

DPR AA2 FS accorded - 15.07
80E -> 14.91

Name of the Project:
Strengthening Infrastructure
(Procurement) of Existing Health
Services at Matri Sadan cum
diagnostic center.

ULB Total Allocation/
Sanctioned

Exp. incurred
Hk 21.

Further proposed
for an amount of

Name of the Project: Strengthening Infrastructure (Procurement) of Existing Health Services at Matri Sadan cum diagnostic center.

1. Justification of the Project:

Strengthening Infrastructure (Procurement) of Existing Health Services at Matri Sadan cum diagnostic center. The absence of quality Medical facility has created problems in timely diagnosis of health hazards within the ULB. Therefore a center for diagnosis and providing medical facilities is in great demand. There is a very urgent need of **L&T Sonalisa 1000 Ultrasound Machine, Semi Automated 3- Strip Chemiluminescence's Analyzer, Clinical Biochemistry Analyzer, Electrolyte Analyzer-5 Parameters and Binocular Microscope Machines** in the Diagnostic center for providing better health service to the citizen. This work needs to be completed. Hence, the project has been initiated.

2. Objective of the Project:

- 1) To develop in integrated diagnostic cum poly clinic services under the management control of the Municipality
- 2) To provide better and prompt qualitative health services to the citizen.

3. Executive Summary:

The project is namely **Strengthening Infrastructure (Procurement) of Existing Health Services at Matri Sadan cum diagnostic center.** The Halisahar Municipality keeping with the vision 2025 as declared in the Draft Development Plan 2007-2012, has taken up the project of setting up a diagnostic center cum poly clinic at the building-Abala Sundari Smirity Bhavan, owned by the Halisahar Municipality, located at ward no.6.

Halisahar lacks good health facilities like hospital, nursing homes, pathological laboratories and quality diagnostic centers. Therefore access to a health infrastructure with modern facilities has been a long cherished demand of the citizen at large. Hence, the project aims at providing curative and reproductive child health care services under one roof.

About 87.6% of the citizens, according to the Socio-Economic Survey conducted during the year 2005-2006, have opined in favour of constructing a Diagnostic center cum Poly clinic.

The project is **Strengthening Infrastructure (Procurement) of Existing Health Services at Matri Sadan cum diagnostic center.** Estimated project cost is around Rs.13.36 lakhs.

At present a minimum infrastructure is there at the Abala Sundari Smriti Bhavan; but we need all the equipments to set up the diagnostic center cum poly clinic. The fund has been utilized for procurement of the **L&T Sonalisa 1000 Ultrasound Machine, Semi**

Alaganta Chandra

H. D.
Health Officer
HALISAHAR MUNICIPALITY

Automated 3- Strip Chemiluminescence's Analyzer, Clinical Biochemistry Analyzer, Electrolyte Analyzer-5 Parameters and Binocular Microscope machines by utilizing this fund will make the center more worthwhile.

After getting AA&FS and technical sanction from the authority project to be implemented and it will take 2 months to complete the activity for this financial year 2010-2011. The project can be found in DDP pg no. 145 and in ADP pg no.140.

4. Target group addressed

The project is addressed to all the citizens of Halisahar which includes all the urban poor, Informal Sector Workers, slum dwellers, people below the poverty line, children, women, Scheduled Castes, Backward Classes, etc.

Migrant jute mill workers are very important inhabitants in the Municipal jurisdiction whose economic condition is not very sound and the project will aim to facilitate those people also. They are happened to suffer from some medical problems which are unique to their migrant nature. An example of the ailment of such jute mill workers is **fibrosis of lungs**, resulting in breathing disorders typical to long term jute mill workers. In such cases express of chest are useful as diagnostic and prognostic tools.

The members of Community Development Societies (CDS) under the supervision of the Community Organisers of the S.J.S.R.Y project of Halisahar Municipality will be involved in all non-technical work, like registration, keeping records all kind of financial as well as technical reports, delivery of reports etc.

5. Location of the Project:

In Ward no.6 at Abala Sundari Smriti Bhavan.

6. Project In – charge:

Name and designation of the nodal person – in charge of the project with contact No.

Name	Designation	Contact no.
Dr. Diganta Chatterjee	H.O	9433742932
Dr. Swapan Kumar Dey	M.O	25888414
Dr. Mita Mukherjee	M.O	9433128381
Mr. Rabin Kumar Mal	Urban Planner	9836391990

Diganta Chatterjee
H.O.

Health Officer
HALISAHAR MUNICIPALITY

7. Project Details:

1	Name of project	Strengthening Infrastructure (Procurement) of Existing Health Services at Matri Sadan cum diagnostic center
2	value of project	Total value of the project : Rs. 1336000.00
3	Source of project	KUSP fund: Rs1336000.
4	Start date	Just after getting AA& FS
5	End date	Two Months
6	No.of beneficiaries indicating coverage of poorer & marginalized ones	The whole population of the ULB as well as the poorer and marginalized ones will be benefited.
7	Measurable outcome or output, means of verification	The endeavor will be hugely applauded as the present infrastructure is underdeveloped
8	Project area	Ground floor of maternity center at Abala Sundari Smriti Bhaban
9	Monitoring mechanism	Monitoring and evaluation will be done by Health Department
10	Operation & Maintenance	Operation and Maintenance will be borne by the Health Department under the supervision of H.O and M.Os.

8. Detailed Project Estimate:

Name of the Project : Strengthening Infrastructure (Procurement) of Existing Health Services at Matri Sadan cum diagnostic center				
Sl. No.	ACTIVITIES AND EQUIPMENTS	Quantity	Rate	Amount(Rs)
1	L&T Sonalisa 1000 Ultrasound Machine	1 No	625000.00	625000.00
2	Semi Automated 3- Strip Chemiluminescence's Analyzer	1 No	416000.00	416000.00
3	Clinical Biochemistry Analyzer	1 No	130000.00	130000.00
4	Electrolyte Analyzer-5 Parameters	1 No	140000.00	140000.00
5	Binocular Microscope	1 No	25000.00	25000.00
Total				1336000.00

Agam Chakraborty

H.O.
Health Officer
HALISAHAR MUNICIPALITY

Sonalisa 1000™

New generation diagnostic ultrasound system with state-of-the-art
HiRES™ adaptive image processing algorithm



- + Excellent image quality
- + Wideband transducers with upto 5 frequency selection
- + Harmonic Imaging
- + Variety of imaging modes and formats including 4B mode
- + Unlimited user presets for quick image optimisation
- + 8 step TGC
- + 1024 frame cine memory
- + Comprehensive on-board patient data management with DVD writer
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IMAGING & IMAGE PROCESSING

Scanning method

Electronic linear, convex and micro convex technology

Imaging modes and formats

B, B+B, 4B, M, B+M & B/M

HIRES™

An adaptive image processing algorithm for improved edge enhancement, contrast improvement and noise suppression

Transducers

2-10 MHz depending on the transducer selected;
Upto five frequency selection depending upon transducer

- 2C5-60R Convex
- 5EC8-10R Endocavity
- 5L10-40mm Linear

Transducer ports Two active ports

Display 12.1" TFT LCD display, non-interlaced scan

Frame rate Upto 120 fps

Magnification factor 1x, 1.5x, 1.8x, 2x, 3x, 4x, 5x, 6x,
Un-Zoom : 0.75x, 0.85x, 0.9x

Image Orientation Horizontal (left/right) and Vertical (up/down)
inversion of image, Image rotation by 90°

Image Processing Enhancement; Frame Filter, DCI, Frequency,
Harmonics (only on convex probe), Line
density, Acoustic output power, Maps/Chroma,
Dynamic Range

TGC 8 sliders, smoothly variable

M-Mode Sweep 1.4sec, 2.7sec, 5.5sec and 11sec

Image Matrix Size 712 x 512 x 8 bits

Grey shades 256 levels

Focus Digital Transmit focus, Dynamic focus,
Multi-focus

CINE mode Upto 1024 B frames

Printing Monochrome / Colour printouts through
Inkjet / Laser Printers / Video Thermal Printer /
Multi-format Camera

Reporting User editable report formats for each application.
Image and clinical reports are possible.
Multiple report templates for each application.

MEASUREMENTS AND CALCULATION PACKAGES

Generic Measurements

B-Mode Distance, Area, Angle, Volume, Ratio
M-Mode Slope, Distance, Time, Heart rate

Application Specific Measurements & Calculations

Abdomen Male Abdomen / Female Abdomen—organ
specific measurements

Obstetrics

- AFI • Early Gestation (CRL, GS, YS) • Foetal Biometry (BPD, HC, HL, FL, AC, OFD, TAD, TTD, APD, TL, UL) • FHR • Twin measurements
- Growth curves

Gynaecology Uterus, Lt. Ovary, Rt. Ovary, Lt. Follicles,
Rt. Follicles

Muskuloskeletal Generic measurements only

Small Parts Thyroid, Breast, Testes

Paediatric HIP Angle A & HIP Angle B

Urology Organ specific measurements including
prostate, pre-void and post-void urinary
volume calculations

Cardiology

Cardiac 2D LV Simpson (Single plane / BI-Plane),
LV-Area/Length, LV Mass, 2D Meas
Cardiac M R/L Ventricle, AO / LA, Mitral Valve, Pulmonic
Valve, Tricuspid Valve, LV-EF-Teicholz,
LV-EF-Cubed

Peripherals

Foot switch, USB port for connecting to Inkjet / Laserjet printers etc.,
LAN port, Composite Video Out or VGA out for slave display,
DVD-Writer.

Image labelling aids

Body marks, Annotations, Real time pointer, Arrows

System Options DICOM 3.0

Power Requirements

AC Input (230V Version), 200-240V, 50 Hz; 500VA

Dimensions (in mm) 1120mm (h) x 700mm (w) x 400mm (l)

Weight 50Kg

Equipment Classification Class 1, Type B for transducers

Safety Designed to conform to IEC 60601-1, IEC 60601-2-37

Quality Management Systems ISO 9001:2000; ISO 13485:2003

All the accessories and modules in the leaflet are optional and are not a part of the standard scope of supply, unless otherwise specified in the written quotation from L&T. L&T Medical reserves the right to make changes in specifications and features shown herein or discontinue the product described at any time without notice or obligation. L&T Medical will not be liable for any consequences resulting from the use of this catalogue.



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- Inbuilt Thermal Printer With 20 Characters / Line
- Pre Programmed Test Menu
- Pre Loaded Exclusive EASYCAL™ Software
- Exclusive 2 Point Re-calibration Mode
- Fast & Easy Interpretation Of Results
- Complete In-Built Data Management Package
- Test-Wise Result Print Out
- Types Of Curves: Qualitative, Quantitative Immunometric & Competitive Measurements, Standard Curve Calculation, Master Curves, Reference Curves (Up To 8 Calibrators & 2 Replicates), Curve Fit (Option To Use Curve Smoothing) & 2 Point Recalibration
- Power : 220 - 240 Volts, 50 - 60 Hz, 50 Watts

Assay Configuration

- Standardized For Multi-Parametric Operation
- Pre-Programmed VAST Enabled Assay Menu
- Standardized For Endocrine Immunoassays
Cancer Markers, Infectious Diseases, Cardiac Markers, Diabetes Markers, etc.
- Third Generation State-Of-The-Art Assay Sensitivity
- Faster Assay Incubation

Reduce Cost Gap
Reduce Technology Gap
Reduce Performance Gap
Reduce Inventory
Reduce Kit Expiry
Reduce Test Outsourcing

Lumax™ Has Been Designed Exclusively For New Start Up, Remote Or Distant Laboratories With Limited Sample Load Or For Specialized Parameters In Large Laboratories. The Electronic Architecture Of Lumax™ Has Been Specifically Designed To Ensure Troublefree Performance & Offer High Assay Sensitivity.

With The Introduction Of Lumax™, Clinical Laboratories Of Any Size Would Be Able To Perform All The Latest CLIA Technology Based Immunoassays At A Competitive Cost / Test. Lumax™ Is Expected To Enable All Laboratories Perform Chemiluminescence Immunoassays, Profitably.



Lumax™

Semi Automated 3-Strip Chemiluminescence Analyzer

- Designed For Low Volume Sample Load
- Dedicated For The Latest Technology - CLIA
- Exceptionally Easy To Use
- High Sensitivity & Detection Range
- Pre-Programmed Test Menu
- In-built Thermal Printer
- Robust Performance

PRE-PROGRAMMED EASYCAL™

EXCLUSIVE 2PT RECALIBRATION

TI-CELL ADVANTAGE

PRE LOADED VAST MENU



VAST
ENABLED

Chemiluminescence Immunoassays, Now Within Reach Of Every Clinical Laboratory



- Wide CLIA Reagent Menu
- AccuLite CLIA VAST Based Assay Reagents
- 24 Parameters From A Single Immunoassay Kit
- Effective Cost / Test Due To VAST CLIA Platform
- Very Low Risk Of Kit Expiry
- Long Calibration Stability
- Requires Low Kit Inventory



- Endpoint, Fixed-time, Kinetics and Absorbance
- Wavelengths range 340 to 670nm
- 7.8" TFT touch screen & popup keypad
- External keyboard or mouse support via USB
- Up to 200 tests can be programmed
- Up to 3000 sample & 1000 QC memory
- Testing mode: flowcell or cuvette
- User friendly interface
- Power-failure protection
- Universal power supply

AT-200D NEW

Biochemistry Analyzer

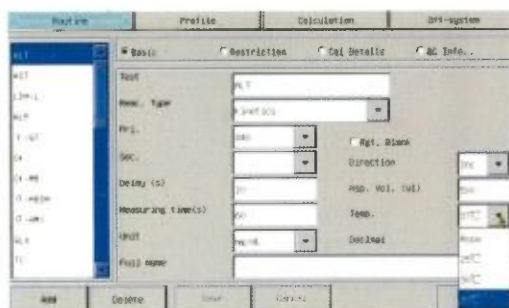
Backed by **25 years** of
Manufacturing & Exceptional Service Support



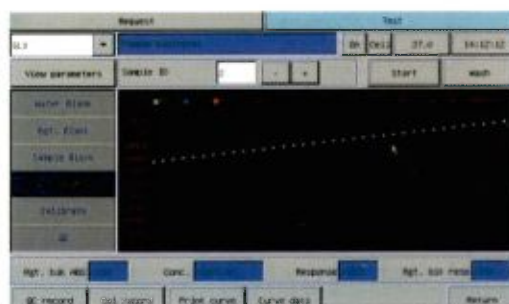
Straightforward software interface, easy to get started!

Large LCD touch-screen, clear and user-friendly

Two USB ports (2.0), for keyboard, mouse, printer



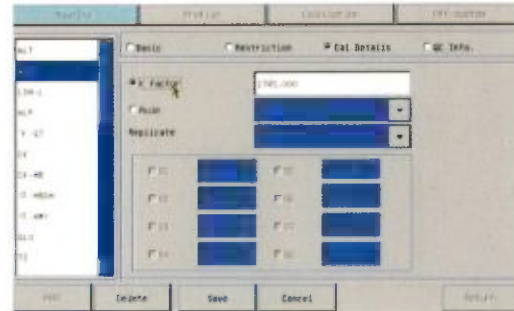
- Simple parameters setup
- Quick interchange between 4 temperature options
- Support Bi-Chromatic tests



- Multi-functional and comprehensive testing panel interface display
- Real-time monitor of reaction curve/data and temperature change
- Parameters can be reviewed during test



- Customizable patient information
- Capable of adding off-system test results



- Support K-factor programming

AT-200D
Biochemistry Analyzer

Support two testing modes: Flowcell or Cuvette; easy to shift between modes
Easy to maintenance: remove black cover to change lamp



AT-200D ^{NEW}

Biochemistry Analyzer

Technical Specifications

TESTING ITEM

ALT, AST, ALP, ACP, GGT, α -HBDH, LDH, CK, AMY, TG, TC, HDL-c, LDL-c, UA, UREA, Cr, Glu, TP, Alb, T-Bil, D-Bil, TBA, NH₄⁺, CO₂, Ca, Mg, Cl, Na, K, apoA1, apoB, Lp(a), C3, C4, IgG, IgA, IgM, HbA1c, Alcohol, Amphetamines, Barbiturates, Benzodiazepine etc.

ANALYSIS METHOD

Endpoint, with reagent blank

Endpoint, with sample blank and reagent blank

Kinetics, with or without reagent blank

Two point Kinetics / Fixed time, with or without reagent blank

Absorbance

Turbidimetry

Linear and non-linear calibration

LIGHT SOURCE

Tungsten-halogen lamp 6V/10W

WAVELENGTH RANGE

Automatic by 8 position filter wheel

6 standard filters: 340nm, 405nm, 510nm,

546nm, 578nm and 630nm.

2 positions free for optional wavelengths: 450nm and 670nm.

Bandwidth < 8nm

Stray light: <0.1% @ 340nm

PHOTOMETRIC RANGE

0 ~ 3.5 ABS

Stability: <0.005A/20min @340nm

FLOW/CELL

Stainless steel with quartz window

Measuring volume: 32 μ l

Optical path: 10mm

Aspiration volume programmable: 200-9000 μ l

INPUT

Touch screen with touch pen and popup keypad Mouse or Keyboard via USB*

TEMPERATURE CONTROL

By means of Peltier elements

Room temperature, 25°C, 30°C or 37°C

MEMORY

No less than 3000 sample results

PRINTER

Built-in thermal printer. (Optional external selective model HP Printer)

INTERFACE

Rs232 serial port supporting data transmission

USB port (2.0), for keyboard, mouse, printer

OPERATING ENVIRONMENT

Temperature: 15°C-30°C

Humidity: 35%-85%, no condensation

POWER REQUIREMENT

Wide power supply: AC 100-240V~, 50/60Hz

DIMENSION

422mm x340mm x160mm (L x W x H)

WEIGHT

7kg



*Printer, Mouse, Keyboard are optional.



ACCUREX INSTRUMENTS COMPANY

Head Office - Mumbai Tel.: +91 (22) 6744 6744; Fax: +91 (22) 6744 6755; E-mail: instruments@accurex.net; Website: accurex.org

Branch Office - Delhi Tel.: +91 (11) 2653 4305/10; Kolkata Tel.: +91 (33) 6458 8123; Service Centre- Tarapore Tel.: +91 (2525) 271560/61

Enlite

Series -----



Reliable, Economical & Easy-To-Use

Backed by **25 years** of
Manufacturing & Exceptional Service Support



- Excellent Result Quality
- Electrode Maintenance Alerts
- Advanced-Design Flow System
- High Efficient Cleaning Procedures, Best for Fatty Samples
- High, Middle and Low QC Values may be Provided to Adjust Linearity
- Self-Test Functions with Hints to Solve Problem
- Sleep Mode to Save Reagent
- Automatic 1 Point & 2 Point Calibration with Additional Manual Calibration
- Long Life, High Performance & Maintenance Free Electrode
- Easy to Use Software
- Numeric Keypad for Convenient Operations
- Rapid Test Speed ≤ 30 Seconds / Test
- Low Sample Consumption : $< 65 \mu\text{l}$
- LCD display (240*64)
- Innovative Electrodes Observing Window
- ≤ 1000 Records Storage Capability
- Data Back Up System will Maintain All Data in Case Power Supply Cut-Off Suddenly
- Options :
 - $\text{Na}^+/\text{K}^+/\text{Cl}^-$
 - $\text{Na}^+/\text{K}^+/\text{Cl}^-/\text{Ca}^{++}/\text{pH}$
 - Auto Sampler : 39 sample

Test Range & Accuracy :

Channel	Range	Resolution	CV %
pH	6.00 ~9.00	0.01	< 1.0
K^+	0.50~10.00 mmol/L	0.01	< 1.0
Na^+	20.0~200 mmol/L	0.1	< 1.0
Cl^-	20.0~200.0 mmol/L	0.1	< 1.0
Ca^{++}	0.3~5.0 mmol/L	0.01	< 1.5

Sample Type : Plasma , Serum, Whole Blood, Urine

- Ambient Condition
 - Temperature : $5^\circ\text{C} \sim 40^\circ\text{C}$
 - Relative Humidity : $< 85\%$
 - Non-Condensing Environment
- Input Voltage : 100 - 240V $\sim 50/60\text{Hz}$
- Power Consumption : 100VA
- Dimension : 30 cm x 26 cm x 36 cm
 - Bench Top Model
- Weight : 7.6 Kg

Magnus

MLX-B

Parfocal & Centered Optics

Minimises use of the fine focusing and stage-control knobs during objective change-over

Optics with Multi-layer Coating

Maximises transmission of light for crisp & bright image

Illumination

Efficient light collector-lens system for optimum brightness

Micron Sensitive Movements

Enables easy manipulation of specimen

Options Available

- With halogen or LED light source
- Freedom series with LED light & battery backup



Also available in Trinocular version MLX-Tr
Digital Camera Attachment (Optional)



MICROSCOPES FOR EDUCATION & LABORATORIES

Specifications :

ITEM	SPECIFICATIONS	MLX-B Binocular Version	MLX-Tr Trinocular Version
Body	Aluminium die-cast body with all critical movements based on ball bearing & wire guides thereby ensuring smooth & precise manipulation	●	●
Inclined Observation Head	Binocular 45 degree inclined, rotatable through 360 degrees	●	
	Trinocular 45 degree inclined, rotatable through 360 degrees		●
Eyepiece (widefield) for observation	WF 10x (FN 18) compensating paired eyepiece. Provides relief from eye fatigue and renders color-compensated images of utmost clarity. Compatible with an optionally available eyepiece micrometer	●	●
Nosepiece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop	●	●
Objectives	<u>Achromat objectives</u>		
	N.A.		
	W.D.		
	4X	0.10	29.0mm
	10X	0.25	6.3mm
	40X (spring loaded)	0.65	0.53mm
	100X (oil, spring loaded)	1.25	0.20mm
Mechanical stage	Stage size 125mm X 145mm with traverse area of 50mm X 76 mm with right hand low drive mechanical stage	●	●
Focusing system	Co-axial coarse & fine controls with a focus adjustment range of 25 mm	●	●
Condenser holder	Rack & pinion mounted condenser holder with height displacement upto 20mm	●	●
Condenser	Abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion through 20 mm and a continuously variable iris diaphragm with a removable blue filter for daylight observation	●	●
Illumination base with option	(a) Built-illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Power supply 230V AC 50Hz single phase.	MLX-B	MLX-Tr
	(b) LED Light source High brightness, longlife (30,000hrs) 1w LED.	MLX-B LED	MLX-Tr LED
	(c) LED light source (with battery back-up) High brightness, longlife (30,000hrs) 1w LED. Battery back-up in-built NiMH Rechargeable batteries provide 6 to 8 hrs back-up on full charge.	MLX-B Freedom series	MLX-Tr Freedom series

Optional Accessories • Simple Polarizing attachment • Eyepiece Widefield WF 15x • Image Analysis software



Micro Image Projection System
MIPS



Digital Camera System



Phase Contrast Attachment PC-4



Darkfield attachment

- Imm. DF Condenser with OBJ 100x having Iris Diaphragm
- Dry. DF condenser

Magnus

OLYMPUS (INDIA) PVT. LTD.

Works : A-3, Sector-81, Phase-II, Noida-201305 (U.P.)

Corporate Office : A-5, Mohan Co-operative Indl. Estate, Mathura Road, New Delhi-110044 India

Tel.: 91-11-30886743, 30886744 Fax: 91-11-26959382

E-mail: oisales@dssimage.com



All standard sets are supplied as per specifications which are subject to change without any obligation on the part of the manufacturer.

Optics are anti-fungus treated & with multi-layer coatings. Accessories shown may not be part of standard equipment. • CE Certification is only for MLX-B, MLX-Tr



MADHYAMGRAM MUNICIPALITY

P.O. : Madhyamgram

Dist. : North 24 Parganas, Kolkata - 700129

Ref. No. : MM/Chair/1633/2010-2011

Date: 15.11.2010

To
The Project Director,
CMU,
ILGUS BHAVAN,
H.C - Block, Sector-3,
Bidhan Nagar,
Kolkata - 700106.



Health Ex.

Already ~~may be~~ selected,
18.11.10

Sub: Sending the DPR along with estimate of Hospital equipments for necessary approval.

Sir,

The undersigned would like to inform that the estimate of hospital equipment has been prepared under incentive fund 2010-11, bearing memo no. CMU-97/2003(Pt-III)/1241 and it is sending to you with DPR for your necessary approval.

Hope, you will do the needful as early as possible.

Thanking You,

Enclosure:

- i) Three copies estimate along with DPR
is enclosed herewith.

Yours faithfully

[Signature]
Chairman
Madhyamgram Municipality

Chairman
Madhyamgram Municipality
North 24-Parganas

D.P.R
OF
HOSPITAL EQUIPMENTS
UNDER
MADHYAMGRAM MUNICIPALITY
FROM INCENTIVE FUND (KUSP)

Madhyamgram is situated just adjacent to Kolkata Corporation area; it is about 12 km away from Netaji Subhash International Airport and about 24 km away from Sealdah Railway Station. The population of the town as per 2001 census is 154958 and the area is 21.50 sq.km. comprising 25 wards.

The overall density of Urban Population in West Bengal in 2000-01 was found to be 6,798 per sq. km. against national average of 4,098 per sq. km. owing to rapid growth of various industries; there has been a massive proliferation of slums all over Bengal after its partition. New Barrackpore is not an exception. Streams of uprooted people from East Pakistan (Now Bangladesh) began to settle at Madhyamgram formerly grown as a colony for their earnings and livelihood. Again, the rapid increase of activities in each urban town of West Bengal, proliferation of slum areas took a fearful turn here. Urban Slum vis-à-vis the decline in rural population living below poverty level has also compelled the concerned group of people to migrate to these slum areas for their economic and livelihood need.

There is entire gamut of health services, other than Government Health Programmes, which the municipality provides, under the West Bengal Municipal Act, 1993. The purpose of preparation of the Health Care Delivery Improvement Plan is to prepare a holistic health care plan, to look at health delivery beyond scheme delivery and ensure planning for not only reproductive and child health services but for other aspects of public health related services.

Madhyamgram Municipality is implementing KMDA Sponsored Health Projects and various other National Programmes. Municipal Health Care Service is basically providing preventive services. The following health care activities are carried out by the Municipal Health Personnel.

Immunization services

Nutrition programme.

Information, Education, Communication (IEC) Programme. Structure of Health Functionaries

Performance of Public Health programme needs Vector control measures for Mosquito Control: Needs multiple level activity, Supply of Anti-mosquito equipments and Health education, RCH programmes also needs some improvement in terms of coverage and service delivery. National Programme implemented in the Municipality needs some integration. To bridge the gaps few Proposals worth Rs. 227 Lakhs has been selected and adopted for inclusion in the Plan.

Apart from this, there are other Central and State Government Health Schemes that are implemented by the ULBs. To name a few of them, Calcutta Urban Development Programme (CUDP), Indian Population Project (IPP) VIII, National Anti Malaria Programme, National Leprosy Elimination Programme, National AIDS Control Programme and Blood Safety, Revised National Tuberculosis Control Programme (RNTCP) and Diarrhoea and Enteric Disease Control etc. The focus of these Central and State Government programmes have been mostly directed to catering to the preventive health care needs of the BPL families with particular emphasis on reproductive and child health care. The area covered by the schemes may not cover all the ULBs in the KMA nor may completely reach out to the entire BPL population. Also these Programmes have targeted a selected category of the population based on age or gender. The State Government of West Bengal intends to scale up these services and enhances coverage. Therefore it is also important for each ULB to plan for these health services.

Municipal records on availability of health care facility in the municipality reveals that a total of 48 health care centres including sub centres, Nursing homes, Rural hospital, private Ultra Sonography Unit and private X-ray clinic the municipal area. A total of 106 beds are available in the municipal area. This includes Madhyamgram rural hospital which caters to the whole of the Municipal area. The details are as follows: The source of data is attached as Annex 2 of Annex Volume 3. Madhyamgram Municipality has a Hospital named Netaji Subhash Hospital and Research Centre with ICCU facility.

Availability of health care facilities at the Municipality

Details	Municipality	Govt.	Private	Total
No. of Health units	23	1	23	47
No. of full time MBBS doctors	19	4	13	36
No. of part time MBBS doctors	27	--	10	37
Part time non MBBS doctors	2	--	--	2
No. of trained nurses	19	10	6	35
No. of units having Immunization facilities	19	1	9	29
No. of Immunization facility with Doctor/ Nurse as vaccinator	19	1	9	29
No. of OPD facilities	23	1	10	34
No. of OPD Maternity	20	1	6	27
Number of OPD Gynaecology	20	1	6	27

Compilation of ongoing programmes

Madhyamgram Municipality is implementing the following programme:

- Vector Control
- RCH
- National Programmes for Health care

Additionally Municipality is providing outreach services to the poor and vulnerable population residing at Municipality through following programmes:

- CUDP III
- IPP VIII

Madhyamgram Municipality has 2(five) following KMDA Sponsored Health Projects:

- IPP-VIII
- UHIP

Details of Health care facility available

Nature of Health Care –Municipal Health Care Service is basically providing preventive services. Honorary Health Workers (HHWs) are involved in the service delivery. The following health care activities are carried out by the Municipal Health Personnel.

- Maintenance of Health Card for each Family
- Immunization services
- Maternity Child Health Care i.e. Registration of Pregnancy, Antenatal Care, Natal Care & Post Natal Care, Family Welfare Activities and personal hygiene services.
- Nutrition programme.
- Growth monitoring activities i.e. weight chart (0 to 5 years child)
- Information, Education, Communication Programme. (IEC)
- Nutritional Deficiency Diseases Programme (Supply of IFA Tablets to Ante Natal mother for control of Anaemia)

Structure of Health Functionaries

The Manpower Structure of the Health Administrative Unit comprises the Health Officer, Assistant Health Officer, STS, Clerk/Store Keeper, GDA, and Sweeper). The Sub centre Structure – (F.T.S & 5 Blocks under 1 FTS). First level of restructuring in Wards has already started.

Details Numbers of Health functionaries:

Type	Number
HHW	93
FTS	19
STS	6
PTMO	6

A separate ICCU will be started very soon. 5 (five) nos. of Multi Para Monitor and 2 (two) nos. Aspen Syringe Infusion pump will be installed.

Feature of 5 Para Monitor:

- High Resolution 10.4" TFT colour display.
- Standard configuration of ECG, Resp, SpO2, NIBP & Temp.
- Drug dose calculation / HRV analysis / OXY CRG.
- 5-LEAD Monitoring.
- Suitable for Adult, Infant and Neonate.
- Big Font.
- Low power consumption.

ASPEN SYRINGE:

- Auto calibration of Syringes.
- Three working modes: Rate control mode,
Time control mode,
Dose-Weight control mode.
- 8 hours internal battery life.


Estimate

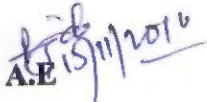
Name of Work: Supply and fitting fixing of Hospital equipments.

Name of Fund : Incentive Fund 2010-2011.


Project Cost.

Sl. No.	Descriptin of Work	Quantity	Rate	Amount
1	Aspen (General Meditez USA Technology) High Resolutin 10.4" TFT Colour Display Multi Para Monitor (5 Para) (ECG+SPO2+NIBP+TEMP+RESP).	7 Nos.	95000.00	665000.00
2	Aspen Syringe Infusion Pump Model SPI.	3 Nos.	41000.00	123000.00
Total Rs.				788000.00
Vat @ 4%				31520.00
Cess 1%				7880.00
Grand Total Rs.				827400.00


S.A.E.


A.E.
Asst. Engineer
Madhyamgram Municipality
North 24-Parganas


Chairman


Chairman
Madhyamgram Municipality
North 24-Parganas



MADHYAMGRAM MUNICIPALITY

P.O. : Madhyamgram

Dist. : North 24 Parganas, Kolkata - 700129

Ref. No. :

Date: 03.11.2010.

To Whom It May Concern:

Certified that the excess amount that is Rs. 27,400.00 out of Rs. 8, 27,400.00 will be borne by the municipal own fund.

Chairman
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Chairman

Madhyamgram Municipality

North 24-Parganas

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- Suitable for Adult, Infant and Neonate.
- Big Font.
- Low power consumption.

ASPEN SYRINGE:

- Auto calibration of Syringes.
- Three working modes: Rate control mode,
Time control mode,
Dose-Weight control mode.
- 8 hours internal battery life.

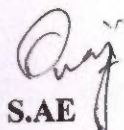
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Cess 1%				7880.00
Grand Total Rs.				827400.00


S.A.E

Sub-Inspector
Madhyamgram Municipality
North 24-Parganas


A.E

Asst. Engineer
Madhyamgram Municipality
North 24-Parganas


Chairman

Chairman
Madhyamgram Municipality
North 24-Parganas



MADHYAMGRAM MUNICIPALITY

Madhyamgram
Dist. : North 24 Parganas, Kolkata - 700129

Ref. No. :

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Chairman
Madhyamgram Municipality

Chairman
Madhyamgram Municipality
North 24-Parganas

D.P.R
OF
HOSPITAL EQUIPMENTS
UNDER
MADHYAMGRAM MUNICIPALITY
FROM INCENTIVE FUND (KUSP)

Madhyamgram is situated just adjacent to Kolkata Corporation area; it is about 12 km away from Netaji Subhash International Airport and about 24 km away from Sealdah Railway Station. The population of the town as per 2001 census is 154958 and the area is 21.50 sq.km. comprising 25 wards.

The overall density of Urban Population in West Bengal in 2000-01 was found to be 6,798 per sq. km. against national average of 4,098 per sq. km. owing to rapid growth of various industries; there has been a massive proliferation of slums all over Bengal after its partition. New Barrackpore is not an exception. Streams of uprooted people from East Pakistan (Now Bangladesh) began to settle at Madhyamgram formerly grown as a colony for their earnings and livelihood. Again, the rapid increase of activities in each urban town of West Bengal, proliferation of slum areas took a fearful turn here. Urban Slum vis-à-vis the decline in rural population living below poverty level has also compelled the concerned group of people to migrate to these slum areas for their economic and livelihood need.

There is entire gamut of health services, other than Government Health Programmes, which the municipality provides, under the West Bengal Municipal Act, 1993. The purpose of preparation of the Health Care Delivery Improvement Plan is to prepare a holistic health care plan, to look at health delivery beyond scheme delivery and ensure planning for not only reproductive and child health services but for other aspects of public health related services.

Madhyamgram Municipality is implementing KMDA Sponsored Health Projects and various other National Programmes. Municipal Health Care Service is basically providing preventive services. The following health care activities are carried out by the Municipal Health Personnel.

Immunization services

Nutrition programme.

Information, Education, Communication (IEC) Programme. Structure of Health Functionaries

Performance of Public Health programme needs Vector control measures for Mosquito Control: Needs multiple level activity, Supply of Anti-mosquito equipments and Health education, RCH programmes also needs some improvement in terms of coverage and service delivery. National Programme implemented in the Municipality needs some integration. To bridge the gaps few Proposals worth Rs. 227 Lakhs has been selected and adopted for inclusion in the Plan.

Apart from this, there are other Central and State Government Health Schemes that are implemented by the ULBs. To name a few of them, Calcutta Urban Development Programme (CUDP), Indian Population Project (IPP) VIII, National Anti Malaria Programme, National Leprosy Elimination Programme, National AIDS Control Programme and Blood Safety, Revised National Tuberculosis Control Programme (RNTCP) and Diarrhoea and Enteric Disease Control etc. The focus of these Central and State Government programmes have been mostly directed to catering to the preventive health care needs of the BPL families with particular emphasis on reproductive and child health care. The area covered by the schemes may not cover all the ULBs in the KMA nor may completely reach out to the entire BPL population. Also these Programmes have targeted a selected category of the population based on age or gender. The State Government of West Bengal intends to scale up these services and enhances coverage. Therefore it is also important for each ULB to plan for these health services.

Municipal records on availability of health care facility in the municipality reveals that a total of 48 health care centres including sub centres, Nursing homes, Rural hospital, private Ultra Sonography Unit and private X-ray clinic the municipal area. A total of 106 beds are available in the municipal area. This includes Madhyamgram rural hospital which caters to the whole of the Municipal area. The details are as follows: The source of data is attached as Annex 2 of Annex Volume 3. Madhyamgram Municipality has a Hospital named Netaji Subhash Hospital and Research Centre with ICCU facility.

Availability of health care facilities at the Municipality

Details	Municipality	Govt.	Private	Total
No. of Health units	23	1	23	47
No. of full time MBBS doctors	19	4	13	36
No. of part time MBBS doctors	27	--	10	37
Part time non MBBS doctors	2	--	--	2
No. of trained nurses	19	10	6	35
No. of units having Immunization facilities	19	1	9	29
No. of Immunization facility with Doctor/ Nurse as vaccinator	19	1	9	29
No. of OPD facilities	23	1	10	34
No. of OPD Maternity	20	1	6	27
Number of OPD Gynaecology	20	1	6	27

Compilation of ongoing programmes

Madhyamgram Municipality is implementing the following programme:

- Vector Control
- RCH
- National Programmes for Health care

Additionally Municipality is providing outreach services to the poor and vulnerable population residing at Municipality through following programmes:

- CUDP III
- IPP VIII

Madhyamgram Municipality has 2(five) following KMDA Sponsored Health Projects:

- IPP-VIII
- UHIP

Details of Health care facility available

Nature of Health Care –Municipal Health Care Service is basically providing preventive services. Honorary Health Workers (HHWs) are involved in the service delivery. The following health care activities are carried out by the Municipal Health Personnel.

- Maintenance of Health Card for each Family
- Immunization services
- Maternity Child Health Care i.e. Registration of Pregnancy, Antenatal Care, Natal Care & Post Natal Care, Family Welfare Activities and personal hygiene services.
- Nutrition programme.
- Growth monitoring activities i.e. weight chart (0 to 5 years child)
- Information, Education, Communication Programme. (IEC)
- Nutritional Deficiency Diseases Programme (Supply of IFA Tablets to Ante Natal mother for control of Anaemia)

Structure of Health Functionaries

The Manpower Structure of the Health Administrative Unit comprises the Health Officer, Assistant Health Officer, STS, Clerk/Store Keeper, GDA, and Sweeper). The Sub centre Structure – (F.T.S & 5 Blocks under 1 FTS). First level of restructuring in Wards has already started.

Details Numbers of Health functionaries:

Type	Number
HHW	93
FTS	19
STS	6
PTMO	6

A separate ICCU will be started very soon. 5 (five) nos. of Multi Para Monitor and 2 (two) nos. Aspen Syringe Infusion pump will be installed.

Feature of 5 Para Monitor:

- High Resolution 10.4" TFT colour display.
- Standard configuration of ECG, Resp, SpO2, NIBP & Temp.
- Drug dose calculation / HRV analysis / OXY CRG.
- 5-LEAD Monitoring.
- Suitable for Adult, Infant and Neonate.
- Big Font.
- Low power consumption.

ASPEN SYRINGE:

- Auto calibration of Syringes.
- Three working modes: Rate control mode,
Time control mode,
Dose-Weight control mode.
- 8 hours internal battery life.

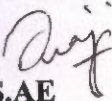
Estimate

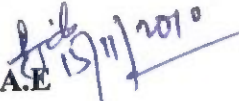
Name of Work: Supply and fitting fixing of Hospital equipments.

Name of Fund : Incentive Fund 2010-2011.

Project Cost.

Sl. No.	Descriptin of Work	Quantity	Rate	Amount
1	Aspen (General Meditez USA Technology) High Resolutin 10.4" TFT Colour Display Multi Para Monitor (5 Para) (ECG+SPO2+NIBP+TEMP+RESP).	7 Nos.	95000.00	665000.00
2	Aspen Syringe Infusion Pump Model SPI.	3 Nos.	41000.00	123000.00
Total Rs.				788000.00
Vat @ 4%				31520.00
Cess 1%				7880.00
Grand Total Rs.				827400.00


S.A.E


A.E


Chairman

Sub-Engineer (Electrical)
Madhyamgram Municipality
North 24-Parganas

Asst. Engineer
Madhyamgram Municipality
North 24-Parganas

Chairman
Madhyamgram Municipality
North 24-Parganas

OFFICE OF THE :



Phone : 2538-3683 (Direct)

2538-2664 / 0203

Fax : 2538-6442

E-mail : madhyamgrammunicipality@vsnl.net

MADHYAMGRAM MUNICIPALITY

P.O. : Madhyamgram
Dist. : North 24 Parganas, Kolkata - 700129

Ref. No. :

Date: 03.11.2010.

To Whom It May Concern:

*Certified that the excess amount that is Rs. 27,400.00 out of
Rs. 8, 27,400.00 will be borne by the municipal own fund.*

Rashmi
Chairman

Madhyamgram Municipality

Chairman
Madhyamgram Municipality
North 24-Parganas

OFFICE OF THE MUNICIPAL COUNCILLOR, KONNAGAR
73, G.T.ROAD (WEST), KONNAGAR, HOOGHLY, WEST BENGAL

Sri Bappaditya Chatterjee
Chairman

Phone Office: 2674-0210
2674-2123

Fax: 2674-0210

Date: 12.07.2010

Ref No: Admn/28/KUSP/328

To
The Project Director, CMU
ILGUS Bhavan, HC Block
Bidhannagar
Kolkata-700106


Sub: Submission of Detailed Project Report for procurement of one no.
Colour Doppler machine

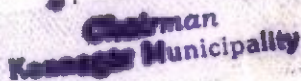
Sir,

This is to bring your attention that procurement of One no. Colour Doppler machine is urgently felt for Konnagar Matrisadan-o-Sishu mongal Pratisthan (especially, maternity and newly constructed I.C.C.U); D.P.R. of the same is attached herewith along with its specification and respective quotation for your consideration.

Please consider the same and release the fund for the same so that such leading hospital is able to provide modern and advanced health service as required.

Thanking you,
Yours faithfully,


(Chairman)
Konnagar Municipality


Chairman
Konnagar Municipality

Copy to:

✓ 1) Health Expert-C.M.U

DPK AALFS. 8.74.

80E submitted 8.74

Detail Project Report

Detailed Project Report(DPR)

On

*Procurement of one no. Colour USG
machine under Support to Health
Sector*



Konnagar Municipality

*Chai
Konnagar*

Budget Head: Health 2009-11
Sub component: Health (SHS)

Konnagar Municipality

Detail Project Report

Abbreviation: -

<i>ADP</i>	: <i>Annual Development Plan</i>
<i>KUSP</i>	: <i>Kolkata Urban Services for Poor</i>
<i>DPG</i>	: <i>DDP Policy Group</i>
<i>DFID</i>	: <i>Department for International Development</i>
<i>ULBs</i>	: <i>Urban Local Bodies</i>
<i>KMA</i>	: <i>Kolkata Metropolitan Area</i>
<i>CMU</i>	: <i>Change Management Unit</i>
<i>O & M</i>	: <i>Operation and Maintenance</i>
<i>IEC</i>	: <i>Information, Education & Communication</i>
<i>BOC</i>	: <i>Board of Councilors</i>
<i>KMDA</i>	: <i>Kolkata Metropolitan Development Authority</i>
<i>MED</i>	: <i>Municipal Engineering Directorate</i>
<i>KMWS</i>	: <i>Kolkata Metropolitan Water & Sanitation Authority</i>
<i>NGO</i>	: <i>Non Governmental Organization</i>
<i>PPP</i>	: <i>Public Private Partnership</i>
<i>ANC</i>	: <i>Anti Natal care</i>
<i>PNC</i>	: <i>Post Natal Care</i>

Detail Project Report

Project Details:

Name of the Scheme:- Procurement of one no. Colour USG machine under under HMIS

Objectives: - Our objective is to accelerate the maternity diagnosis system and Intensive Cardiac Diagnosis through newly constructed I.C.C.U at Konnagar Matrisadan-o-Sishumongal Pratisthan.

Beneficiaries:-

- 1. Not only all the persons residing under the jurisdiction of Konnagar Municipality, but also other patients coming from other sectors will be largely benefitted.*

Justifications:- Procurement of such Colour USG machine (Colour Doppler) is very useful in several areas of maternity diagnosis, especially to identify the Cardiac problem if any, with the pregnant mothers. Such machine is also very useful in non-invasive cardiac diagnosis and other general diagnosis.

Value of the scheme: - Rs. 13 Lac/- only (Rupees Thirteen Lac appx.) (Separate Quotation is attached herewith)

*Luman Raha
(A&P) 12/10*

*Chairman
Konnagar Municipality*

Konnagar Municipality

Detail Project Report

Activity & Sub Activity of total work procedure:-

Sl No.	Activity	Sub-Activity	Responsibility	Timeline for implementation (Quarter wise)			
Sl No	Programme head		ULB	Q1	Q2	Q3	Q4
1.	Programme initiation One no. Colour USG machine (Colour Doppler)	Declaration of fund	H.O. and A.H.O of Konnagar Municipality				
		According to the specification of requirement a quotation will be invited	H.O. and A.H.O of Konnagar Municipality				
		Selection of lowest quotation	Chairman, Konnagar Municipality				
		Giving work order	Chairman, Konnagar Municipality				

Sanjay
(P&F) 12/7/10


Chairman
Konnagar Municipality

Konnagar Municipality

Detail Project Report

Requirement of Fund- Source for funding- Source is the Health fund (Tied) of KUSP

Outputs (in measurable terms):- Konnagar Matrisadan-o-Sishumongal pratisthan is one of the leading hospital (especially maternity division) in Hooghly District. After procurement of the same it is strongly expected that not only all the persons reside under the jurisdiction of Konnagar Municipality, but also other patients coming from other areas will be largely benefitted by receiving modern health service due to procurement of such machine.

Manab
(A&R) 12/10

[Signature]
Chairman
Konnagar Municipality

Konnagar Municipality

Detail Project Report

Cost estimation sheet on HMIS

Sl No	Cost head	No	Amount	Frequency	Q1	Q2	Q3	Q4	Total
1	One no. Colour USG machine (Colour Doppler)	1	Rs. 13 Lac	1			Rs. 13 Lac		Rs. 13 Lac
Total							Rs. 13 Lac		Rs. 13 Lac

Encl:

1) Detail Specification of such Colour Doppler Machine

2) Quotation of such machine

Konnagar Municipality

(Signature)
(A & F)

(Signature)
Chairman
Konnagar Municipality

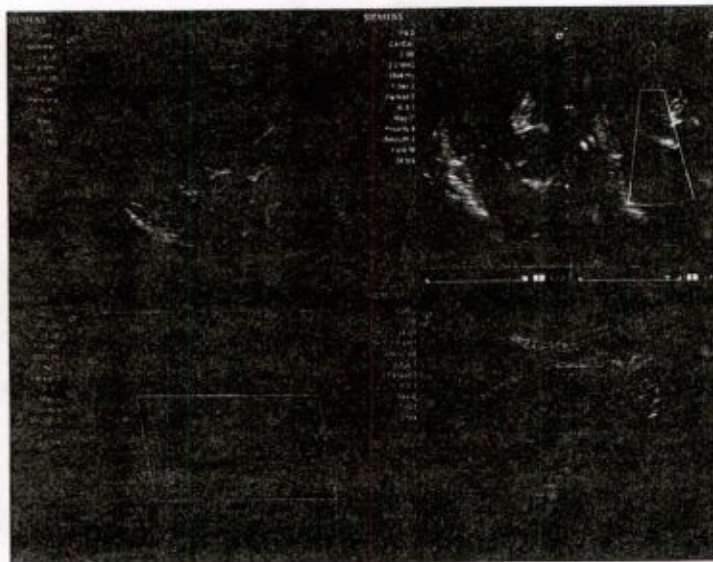


Compact. Efficient.
Uncompromised performance.

ACUSON X300 ultrasound system

www.siemens.com/healthcare

SIEMENS



- ▶ Abdominal Imaging
Transverse Liver / Kidney
- ▶ Cardiac Imaging
Dual Screen : 2D & Color
Doppler Velocity Aortic
Insufficiency
- ▶ Vascular Imaging
Common Carotid Artery
Color Doppler
- ▶ Obstetrical Imaging
Fetal Aortic Arch

Advanced Technology

The X300 system provides advanced technology to suit your clinical needs.

The performance you expect from Siemens— in a compact, efficient, ergonomic package.

Today's clinical challenges require robust imaging performance. The ACUSON X300™ ultrasound system provides that imaging capability in a highly mobile, compact package, with state-of-the-art ergonomics and a high level of value, both now and years down the road.

The X300 system is engineered to give you uncompromised diagnostic performance. The system's compact size and easy mobility make it ideal when space is limited, or when fully-featured diagnostic capability is needed in more than one place.

In short, the X300 system was designed to deliver the diagnostic confidence your clinic needs—wherever and whenever you need it next.

Superior Clinical Performance

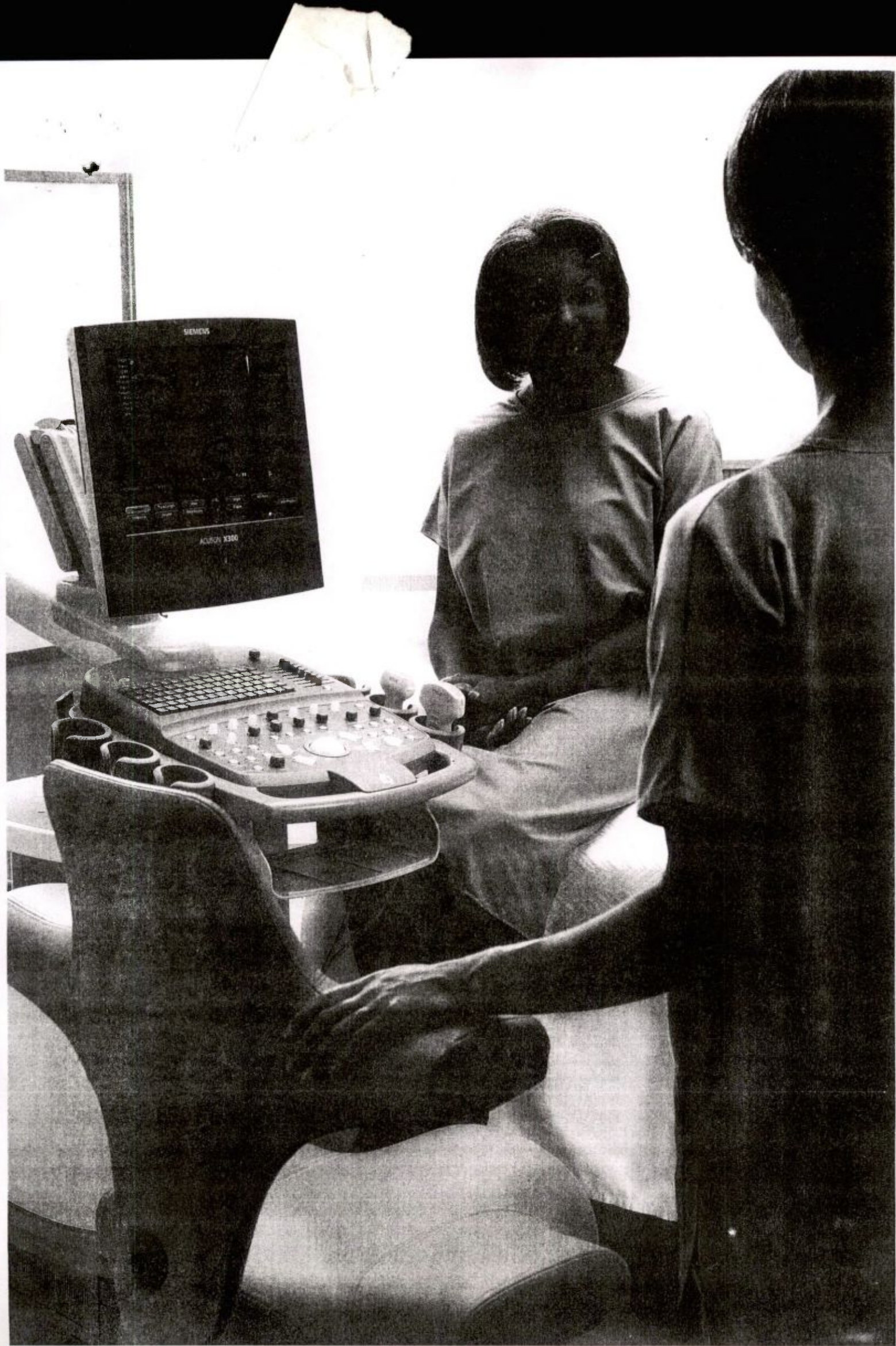
- ▶ The X300 system delivers excellent imaging performance in a compact, color Doppler system over a wide range of clinical applications, giving you the diagnostic confidence you need, patient after patient.

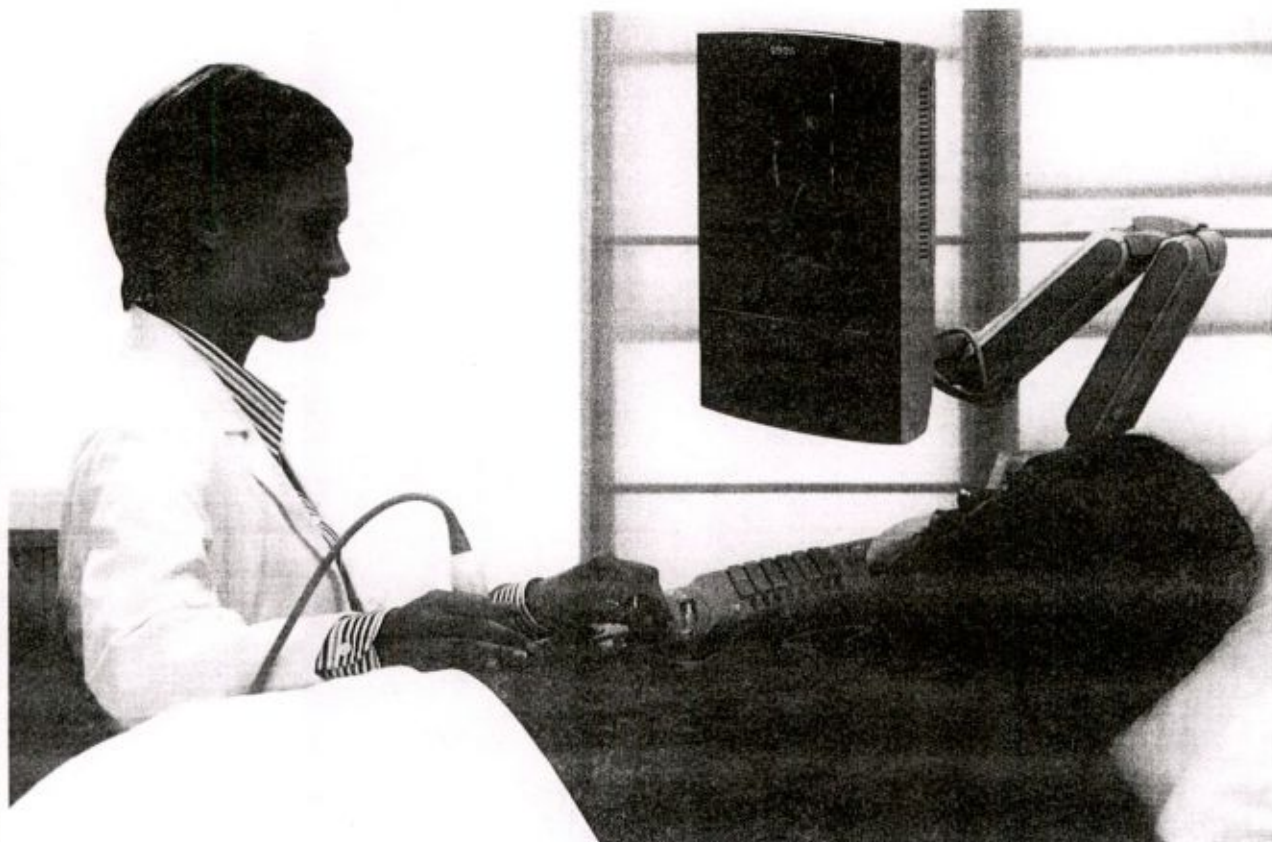
Streamlined Clinical Workflow

- ▶ Siemens is dedicated to giving you the streamlined workflow and clinical efficiency you need, through the DIMAQ-IP workstation and DICOM structured reporting to the X300 system's compact design, engineered for easy mobility.

Advanced ErgoDynamic Design

- ▶ The X300 system provides an optimal ergonomic solution. From the height adjustable control panel to the 15" flat panel display, the X300 system was designed for operator comfort.





Consistent Image Quality

The advanced Hanafy lens transducer technology of the CH5-2 curved-array transducer enables improved image uniformity when scanning technically difficult-to-image patients. Excellent image quality, with penetration as deep as 30 cm, is achieved without excessive transducer pressure.

The image quality you need for confident diagnosis.

The all-digital X300 system is engineered to provide the excellent clinical performance needed for confident diagnosis. The X300 system brings the benefits of Siemens' advanced core imaging technologies providing robust imaging capability in a surprisingly compact, easy-to-use package. The X300 system was created to provide a new standard in the world of compact, mobile ultrasound systems.



Less Pressure

- The CH5-2 Hanafy lens transducer is designed to deliver improved image uniformity, from near to far field, with penetration as deep as 30 cm -- reducing the scanning pressure needed for a diagnostic exam.



TGO Tissue Grayscale Optimization Technology

- Single-keystroke TGO™ tissue grayscale optimization technology delivers more consistent image quality with a single push of a button.

Efficient Connectivity

The DIMAQ-IP integrated workstation and a comprehensive suite of DICOM features enable fast, easy access to patient information throughout the hospital system.

Get it done. Get it right. Get it now.

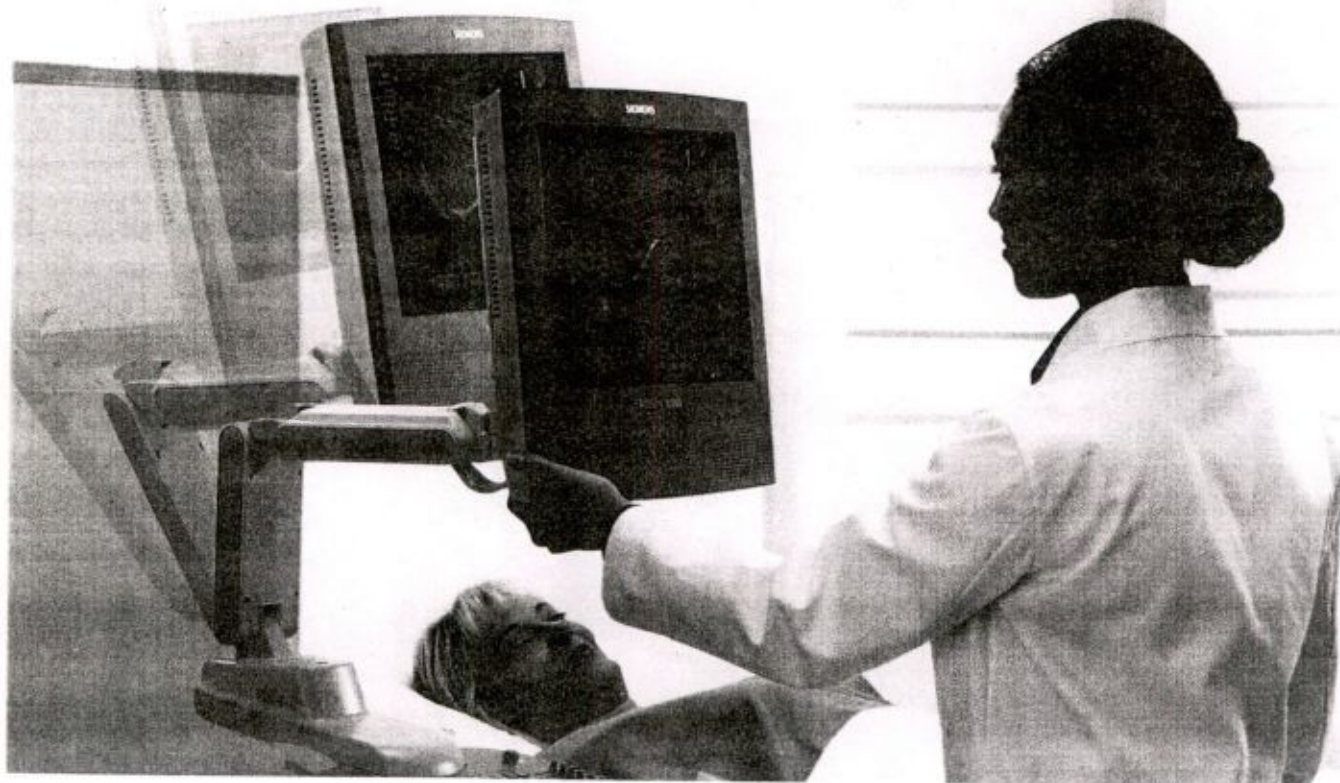
The X300 system is designed to achieve optimal clinical efficiency. From a customizable patient entry screen to DICOM structured reporting, the X300 system is engineered to address each clinic's unique workflow needs. The DIMAQ-IP workstation allows you to store, recall and manage patient data with speed and efficiency. Thumbnail image display provides easy access to stored images for review and printing.

TGO technology delivers more consistent image quality with a single push of a button for improved user-to-user consistency and reduced exam time.



Superior Image Management

- Thumbnail image display provides a quick review of stored images and easy access for printing or deletion of images from a study.



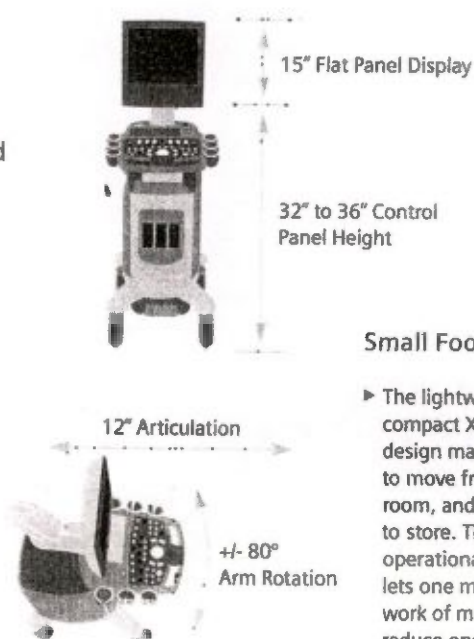
Ergonomic Flat Panel Display

The 15" flat panel display and articulated arm allow for optimal monitor placement and image quality in all scanning environments.

ErgoDynamic™ Imaging System Design: Taking the pain and pressure out of scanning.

The X300 system is designed with the latest ergonomic innovations. With a lightweight compact footprint, the X300 system is easy to move and store. The operator-friendly console is centered around a home-base design to reduce arm and hand movement, while the height-adjustable control panel and articulating arm allow for comfort in a variety of scanning situations.

Small, lightweight transducers complete the ergonomic package with advanced features such as Hanafy lens transducer technology, which provides excellent penetration with reduced scanning pressure.



Small Footprint

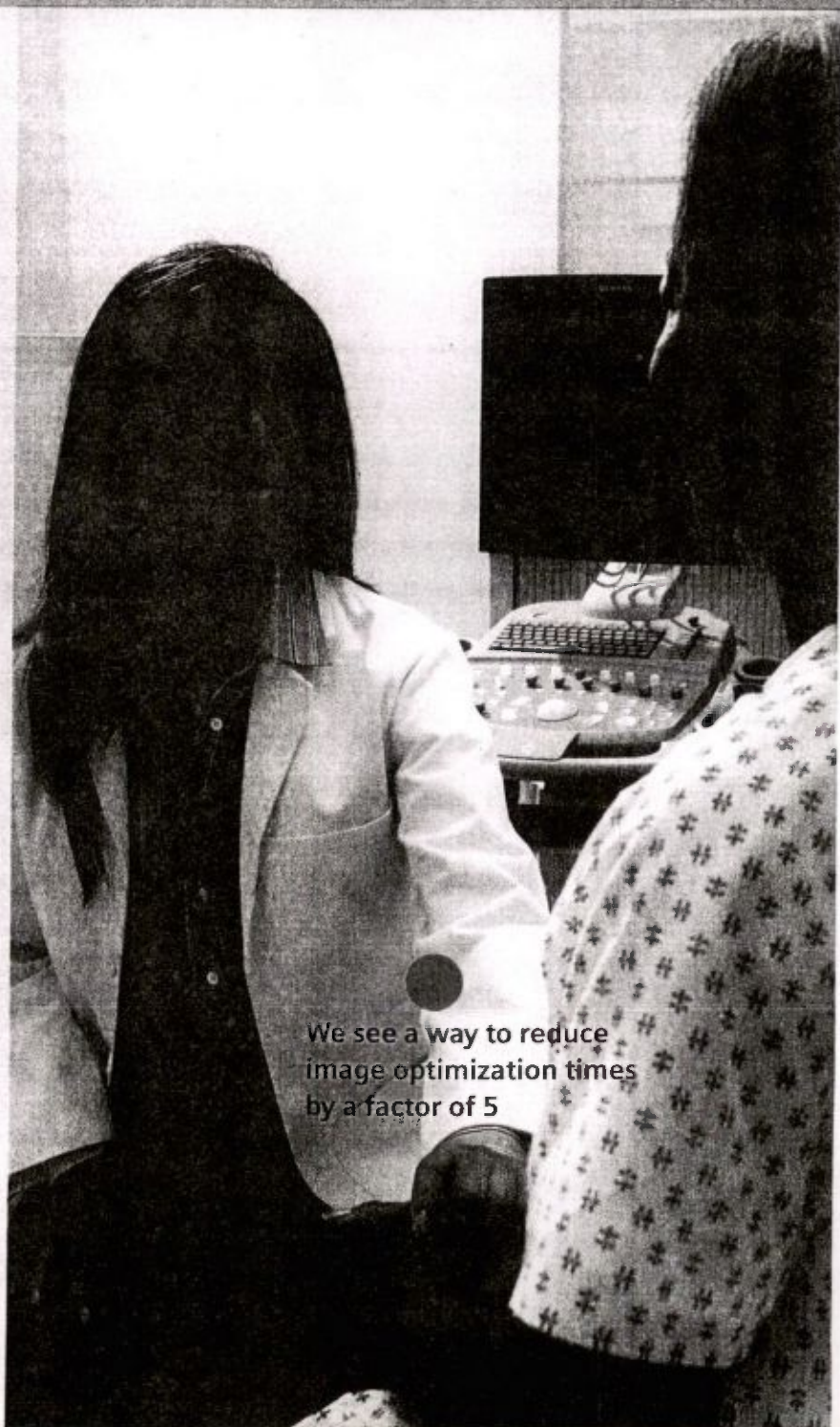
► The lightweight, compact X300 system design makes it easy to move from room to room, and convenient to store. This enhanced operational flexibility lets one machine do the work of many - and helps reduce operator injuries.



Life

is the unique customer care
solution from Siemens that helps you
get the most from your investment.

We see a way to reduce
image optimization times
by a factor of 5



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USA

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SIEMENS

The Chairman
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Name	Arunanshu Dey
Division	Siemens Healthcare IN
Department	Sales
Telephone	+91 (33) 24449000
Fax	+9133 2444 9010
E-Mail	arunanshu.dey@siemens.com
Your letter dated	
Our Reference	
Date	12.07.2010

Sub: Offer for Siemens Medical Equipment.

Dear Sir,

We thankfully take reference to your discussion with us. With reference to the same and as per your suggestion, we are pleased to give below our offer for the following Medical Equipments for your kind consideration:

1. Acuson X300 (Siemens Colour Doppler System).

The ACUSON X300™ ultrasound system brings the benefits of Siemens innovative ultrasound technologies to the world of compact, mobile, color Doppler ultrasound systems. The X300 system combines best-in-class image quality and a set of advanced features to meet your daily clinical needs. It ensures higher diagnostic confidence with comprehensive clinical capabilities.

Hanafy Lens Transducer Technology.

- Continuous Wave & pulse Wave.
- Steered Continuous Wave.
- Flat Panel Display Monitor
- Articulating Arm.
- Multibeam formation technology.
- Height Adjustable Control Panel
- Light Weight Compact system architecture

Please find enclosed the Technical Leaflets for the equipment offered above.

Country of Origin

Our item no. (1) is manufactured by our Principals. All the equipment offered above will be imported exclusively for you from our Principals and will be sold to you against Rupee Payment under 'Sale in Course of Import'.

Sale in Course of Import demands placement of order in a fixed format. In case you decide to place order with us, the same will be furnished to you during finalisation of the order.

Siemens Ltd.

WE CAN BE REACHED 24X7 on UPTIME SERVICE TOLL FREE NO. 1800 419 7477.

Siemens Ltd.

Management: Dr. Armin Bruck
Healthcare Sector; Management: Ragavan Dhandapany

Registered Office: 130, Pandurang Budhkar Marg, Worli, Mumbai 400 018. Telephone +91 22 24987000. Fax +91 22 24987500.
Sales office: Ahmedabad, Bangalore, Chandigarh, Chennai, Coimbatore, Hyderabad, Kharghar, Kolkata, Lucknow, Mumbai, Nagpur, New Delhi, Pune, Vadodara

SIEMENS

Konnagar Municipality

Quote: 1-AX2ZA-0

Date: 12.07.2010

Customs Duty

Our offer is based on the current duty structure. Any upward variation in customs duty from current levels of 9.7% shall be charged extra to customers account. Similarly any downward revision if any shall also be credited to your account.

Transportation

Transportation of all the consignments either from the Port of Entry or from our Factory will be carried out by us free of cost. However, Road Permit / Way Bill, if required, will have to be furnished by you.

Octroi or any other local tax, if applicable, will be to your account.

Warranty

The equipment is covered by warranty for 15 months from the date of dispatch or 12 months from the date of installation, whichever is earlier.

Delivery

The systems offered will be delivered to you within 6-8 weeks from the date of receipt of technically and commercially clear order.

Validity

All the equipment offered above will remain valid for 30 Days.

Terms of Payment

30% Advance, Balance against despatch documents before delivery through Bank. Or

40% advance, balance payment payable within 7 days of submission of despatch documents before delivery by the customer directly.

PNDT Certificate

PNDT Registration Certificate along with affidavit on Rs. 20/- Non-Judicial Stamp Paper will have to be furnished by the appropriate authority to enable us to deliver the equipment at site.

Installation :

We would be carrying out the installation of the equipment upon delivery. However, we would request you to kindly arrange for proper power supply (as per our specifications) and carry out preliminaries connected with installation, civil and structural alterations required for installing the equipment.

Assuring you of our best attention at all times, and looking forward to receiving your valued order, we remain,

For Siemens Ltd.


S. Ghosh


D. Balan

SIEMENS

The Chairman
Konnagar Municipality
73, G.T. Road,
West Konnagar,
Hoogly 712235

Quote

1-AX2ZA-0

Quote for ACUSON X300 System r2.0 - Ultrasound

Your Contact:	Arunanshu Dey
Phone:	+91 (33) 24449000
Mobile:	+9194 3301 9482
Fax:	+9133 2444 9010
E-Mail:	arunanshu.dey@siemens.com
Date:	12.07.2010

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Possible infringements can be reported to our HelpDesk "Tell us" at www.siemens.com/tell-us

Siemens Ltd.

WE CAN BE REACHED 24X7 on UPTIME SERVICE TOLL FREE NO. 1800 419 7477.

Siemens Ltd.

Management: Dr. Armin Bruck
Healthcare Sector; Management: Ragavan Dhandapany

Registered Office: 130, Pandurang Budhkar Marg, Worli, Mumbai 400 018. Telephone +91 22 24987000. Fax +91 22 24987500.
Sales office: Ahmedabad, Bangalore, Chandigarh, Chennai, Coimbatore, Hyderabad, Kharghar, Kolkata, Lucknow, Mumbai, Nagpur, New Delhi, Pune, Vadodara

SIEMENS

Konnagar Municipality

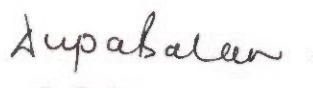
Quote: 1-AX2ZA-0

Date: 12.07.2010

Item	Description	Qty	Item Price
A.	ACUSON X300 System r2.0 - Ultrasound		
1.	Siemens Direct 10438443	1	
2.	ACUSON X300 system 100V/115V/230V 10037409	1	
3.	X300 S/W 10039597	1	
4.	Power Cord, 230V India 07465771	1	
5.	Operating System, Intl Eng, X300 10039593	1	
6.	Basic Cardio-Vascular option, X300 10133037	1	
7.	ECG Cable, Europe Special,X300 SJ 10427613	1	
8.	Tissue Harmonic Imaging, X300 10132995	1	
9.	P4-2 Phased Array Transducer 08648045	1	
10.	CH5-2 Curved Array Transducer 08648086	1	
	Rupees Thirteen Lac only		Rs. 13,00,000.00

For Siemens Ltd.


S. Ghosh


D. Balan

Item	Description
------	-------------

A. ACUSON X300 System r2.0 - Ultrasound

1. Siemens Direct

This item is being sold directly by Siemens to an end customer.

2. ACUSON X300 system 100V/115V/230V

The ultra-portable ACUSON X300™ ultrasound system brings the benefits of Siemens innovative ultrasound technologies to the world of compact, mobile, color Doppler ultrasound systems. The X300 system combines best-in-class image quality and a set of advanced features to meet your daily clinical needs. It ensures higher diagnostic confidence with comprehensive clinical capabilities including high quality color Doppler and pulse-wave Doppler capabilities. It also provides a pathway to seamlessly integrate future technology advancements. The X300 system combines best-in-class imaging performance with sophisticated workflow advancements to address a wide variety of specialty and general imaging needs** including:

- Abdomen
- Renal
- OB/GYN
- Early Obstetrics
- Small Parts
- Musculoskeletal
- Adult and pediatric Cardiac
- Stress echo
- Cranial
- Vascular
- Emergency

(**) Dependent upon options and transducers selected.

Ultra-sensitive, wideband transducers, matched with user-selectable MultiHertz™ multiple frequency imaging, improve resolution and penetration. Depending on the transducer, the user can select up to five 2D and Tissue Harmonic Imaging (THI) frequencies and two color and spectral Doppler frequencies, expanding the clinical versatility of a single transducer, and thereby maximizing transducer investment.

Color Doppler, PW Doppler, DIMAQ-IP integrated ultrasound workstation and CINE Review are standard features in the X300 system.

A cardiac imaging option (PN10133037), adding phased array imaging capabilities including steerable CW Doppler and ECG module.

In addition to the high level of standard features, the X300 system offers a variety of imaging and workflow solutions to choose from including:

- Filtered and Phase-inversion tissue harmonic imaging (THI)
- DICOM 3.0 connectivity
- DICOM Modality Worklist
- DICOM MPPS
- DICOM Structured Reporting for OB
- DICOM Structured Reporting for Cardiac
- TGO (Tissue Grayscale Optimization)
- 3-Scape Real Time 3D
- Stress echo

Item Description

Future performance enhancements will require only simple software upgrades, to maximize and protect your original investment over time.

3. **X300 S/W**
4. **Power Cord, 230V India**
Custom cordset and plug for India. Valid only with 230V fuse. Cordset for use of the G40, X150, X300, X500 system in China, Cyprus, Hong Kong, Ireland, Malta, Singapore, South Africa, United Arab Emirates, United Kingdom, and India
5. **Operating System, Intl Eng, X300**
System operating software for use with ACUSON X300™ ultrasound system. The operating system software supports standard applications, exam specific imaging presets, measurements, pictograms, annotations, reports, worksheets and system diagnostics. The set also includes a hard-copy manual set of Operating Instructions in English language, 1 CD with complete set of operating instructions and an English keyboard overlay
6. **Basic Cardio-Vascular option, X300**
Basic Cardiac option, X300. Adds cardiac imaging capabilities including steerable CW Doppler on the P4-2 and P8-4 transducers and CW Doppler capabilities to the CW2 and CW5 pencil transducers. ECG module is also included.
7. **ECG Cable, Europe Special, X300 SJ**
3 Banana Plug leadwires in the European (IEC) standard colors for attachment to reusable clamp monitoring electrodes.
8. **Tissue Harmonic Imaging, X300**
Tissue Harmonic Imaging (THI) technology enhances visualization, particularly in difficult-to-image patients. Images obtained using this technique will show improvements in contrast and spatial resolution and reduced image noise. The ACUSON X300™ system provides both Phase Inversion THI for General Imaging and filter THI for Cardiac applications to achieve optimal imaging performance.
9. **P4-2 Phased Array Transducer**
The P4-2 phased array transducer uses ultra-sensitive wideband 64 element technology for improved resolution and penetration. MultiHertz™ multiple frequency imaging and optional additional THI frequencies expand its clinical versatility.

Applications: Small footprint abdomen, Cardiac, Renal, OB./GYN

Features include:

- 2D, M-Mode frequency range: 4 - 2 MHz
- Doppler frequency range: 3 - 2 MHz
- Active field of view: 90°
- Maximum depth: 28 cm on the G40, X150
- Maximum depth of 30cm on the X300

10. **CH5-2 Curved Array Transducer**
The CH5-2 transducer uses Hanafy Lens transducer technology migrated from Siemens high-end ultrasound systems. This technology ensures uniform image quality throughout the field of view. MultiHertz™ multiple frequency imaging provides user selectable transmit frequencies for optimal resolution and penetration.

The ergonomically designed transducer features microCase™ transducer miniaturization technology and Suppleflex™ transducer cables to help reduce repetitive stress injuries.

Item Description

Applications: adult abdomen, renal, obstetrics and gynecology.

Features include:

- 2D, M-Mode frequency range: 5-2 MHz
- THI* frequency range:: 5-2 MHz
- Doppler frequency range: 3-2 MHz
- 63mm aperture available in all imaging modes
- Field of view: up to 68 degrees (system dependent)



Terms and Conditions

1. Validity of offer

THIS OFFER IS VALID FOR ACCEPTANCE FOR A PERIOD OF 30 DAYS FROM THE DATE OF THE OFFER AND THEREAFTER SUBJECT TO SUPPLIER'S CONFIRMATION. Offer would be considered as accepted on receipt, by the supplier, of technically and commercially clear order along with the despatch instructions in writing.

2. Scope

The scope of supply and other terms and conditions of this contract shall be strictly governed by supplier's offer and supplier's acknowledgment of purchaser's order. The purchaser shall be deemed to have understood and accepted the conditions contained herein and the specific terms and conditions contained in the offer.

For ease of movement as well as for safety purpose, our MR units are packed within metal container along with the pallet. On arrival of this consignment at your end, MR unit shall be unloaded from the container. Subsequently, these pallet / container shall be handed over by you to SIEMENS Ltd., as same has to be re-exported back to Germany.

PLEASE NOTE THAT THE PNDT CERTIFICATE AND AFFIDAVIT ARE STATUTORY REQUIREMENTS FOR ALL ULTRASOUND AND COLOUR DOPPLER DELIVERIES.

3. Prices

Prices quoted are for Delivery FOR Destination. The prices of imported items are based on the exchange rate applicable on the date of offer. Unless frozen explicitly in writing the quoted prices are subject to price adjustment in Indian Rupees based on the exchange rate applicable on the date of filing the Bill of Entry. The price determined on the above basis would be the contract price. The prices do not include unloading charges at the site and demurrage charges, if any.

4. Taxes and Levies

Prices quoted are inclusive of sales tax prevailing on the date of the offer and as mentioned in our offer. Any increase/change in Central Sales tax, State sales tax, Works Contract sales Tax, Sales Tax surcharge, etc. commonly known as sales tax, recovery whereof from customers is not prohibited under the provisions of the relevant law shall be to purchaser's account. PRICES QUOTED ARE EXCLUSIVE OF LOCAL LEVIES SUCH AS OCTROI, ENTRY TAX, ETC. AND SHALL BE BORNE BY THE PURCHASER.

Prices quoted are inclusive of Customs duty applicable on the date of offer. Any increase between Customs duty included in price quoted and Customs duty applicable at the time of actual delivery, due to change in the Customs Duty rate or method of assessment shall be to purchaser's account.

Particulars of sales tax rules under which purchaser is entitled to partial / full exemption from sales tax, shall be specifically mentioned in the purchaser order. The purchaser shall provide the tax exemption certificate and other documents required by the relevant authorities along with the order.

Notwithstanding other contents of this offer it is specifically understood that any new and/or additional levy of tax on any of the transactions covered hereunder arising out of laws effected as a consequence of the 46th amendment to the Constitution of India or otherwise, shall be borne by the purchaser.

The imported equipment (as mentioned in the offer) is manufactured by Siemens concerns in Germany / China / USA. The Supplier shall be importing the said equipment in order to fulfil the obligations specifically in the event purchase order is placed on Siemens Ltd. Since the equipment is being imported to comply with the purchaser's requirement, the supplier proposes to sell the same during the course of import as envisaged under section 5(2) of the Central Sales Tax Act.

5. Delivery

Unless otherwise specified, the supplier shall deliver the equipment ordered within three months from the date of receipt of technically and commercially clear order along with despatch instructions / agreed advance amount / Letter of Credit, permissions from any concerned authority, etc., whichever is later.

In case despatch of equipment is delayed due to non-availability of any suitable mode of despatch the date on which the supplier informs the purchaser his readiness to despatch the equipment shall be deemed to be the date of delivery.

In case the equipment is to be inspected before despatch, the date on which supplier notifies the purchaser his readiness for inspection shall be deemed to be the date of delivery.

The delivery shall be effected on F.O.R. Destination basis. Price quoted by the supplier includes freight charges for despatch of equipment through any suitable mode of despatch.

Supplier shall, in good faith, make every effort to deliver the equipment within the agreed delivery period.

The supplier shall, however, not be liable for delay in transportation or delivery for any reason whatsoever and claims for direct and/ or indirect damages due to late delivery/ non-delivery or for any other reason whatsoever, will not be accepted by supplier.

6. Insurance

Prices quoted are inclusive of transit insurance charges. The transit insurance cover shall be valid up to 14 days from the date of arrival of the consignment at the destination. The supplier shall not be responsible for any damage to the equipment after the lapse of the transit insurance cover. In case the purchaser requires the insurance to be extended beyond the period indicated above, the purchaser shall arrange for the same at his own cost. Purchaser shall inform the supplier in writing of any loss and / or damage to consignment within the above stated period. If consignment is outwardly damaged, purchaser shall take open delivery, obtain carriers certificates showing extent of loss/damage, lodge a formal claim (by Registered A.D. mail or hand delivery, in which case, carriers acknowledgment of claim lodged shall be obtained) with carrier and notify supplier in writing.

In case of non delivery within 30 days from date of despatch purchaser shall lodge a formal claim (by Registered A.D. mail or hand delivery, in which case, carriers acknowledgment of claim lodged shall be obtained) with carrier and notify supplier in writing.

Non-observance of any of these conditions by the purchaser shall absolve the supplier from all liabilities.

7. Payment

THE PURCHASER SHALL MAKE PAYMENTS AS FOLLOWS, UNLESS OTHERWISE SPECIALLY AGREED IN WRITING.

30 % ADVANCE ALONG WITH THE ORDER AND THE BALANCE 70% TOGETHER WITH THE TAXES, DUTIES AND OTHER STATUTORY LEVIES PAYABLE AGAINST THE PRESENTATION OF DISPATCH DOCUMENTS.

PLEASE ALSO PROVIDE THE FULL ADDRESS OF YOUR BANKERS IN YOUR ORDER.

If for any reason payment is delayed beyond the stipulated date of payment, interest @ 2% p.m. will be charged on the amount overdue for the delayed period. If for any reason payment is not forthcoming within the agreed time, supplier, on his own discretion without giving intimation to the purchaser, can call back the consignment, and adjust the costs incurred in the said transaction from the advance paid.

8. Installation / Assembly - Demonstration

The supplier shall carry out installation of the equipment and shall not be responsible for any Preliminaries, Site alterations, etc. The purchaser shall provide a suitable site, proper uninterrupted power supply as per the supplier's specifications, carry out preliminaries connected with installation, civil and structural alterations required for installing the equipment, at his own cost.

9. Operational requirements

The purchaser shall maintain the environmental conditions recommended by the supplier so as to ensure that the equipment does not suffer damage due to humidity, dust, pests, severe temperature, etc. The purchaser shall ensure that the equipment is operated, as per the operating instructions and supplier's recommendations. The purchaser shall also ensure that competent, trained and skilled personnel operate the equipment. The supplier shall not be responsible for any loss, damage or injuries caused due to purchaser's non-fulfilment of these conditions.

10. Guarantee

The equipment offered is covered by guarantee under proper use for faulty material or workmanship for 15 months from date of despatch or 12 months from date of installation, whichever is earlier.

Purchaser shall inform supplier in writing of any defect in equipment noticed during guarantee period. On receipt of purchaser's written notice, supplier shall rectify the faults. The option to repair or replace any parts shall solely rest with the supplier. Purchaser shall not return the equipment or any part thereof to supplier before receiving supplier's confirmation to that effect.

The supplier shall not be responsible for any defect or damaged caused due to any alterations, addition, or repair carried out to the equipment by any person not authorised by the supplier to carry out such alterations, addition or repair.

The supplier shall not be responsible for any defect or damaged caused to the equipment, directly or indirectly, due to mishandling, misconduct or negligence on the part of the purchaser or his employees, failure to operate the equipment as recommended by the supplier, failure to maintain the environmental conditions recommended by the supplier.

The items not manufactured by Siemens will not be covered under the scope of this guarantee, unless otherwise specifically mentioned. Parts which deteriorate due to wear and tear, consumables or any such parts not specifically covered under this guarantee shall be outside the scope of this guarantee.

The guarantee, however, does not extend to the following: -

For X-Ray machines - Vacuumatic items like valves, x-ray tubes, image intensifier tubes, integrated circuits, H.T. cables, and accessories.

For Ultrasound systems - Probes and consumables.

For Ventilators/Anesthesia systems - Flow transducer, pressure transducer, temperature probe, heater wires, O2 cells, patient tubes, batteries & other consumables.

For Monitoring systems - Pressure transducers, temperature probes, any other transducers.

The purchaser shall be entitled for the following pro-rata credit on MEGALIX-CM Tubes

100% up to maximum of six months from the date of despatch or 40000 Load Units

70% up to maximum of nine months from the date of despatch or 60000 Load Units

40% up to maximum of twelve months from the date of despatch or 80000 Load units

Whichever is earlier for all above conditions

The purchaser shall be entitled for the following pro-rata credit on Megalix-Cat Tubes

100% up to maximum of twelve months from the date of installation.

For Computed Tomography - Patient positioning accessories, filters and such other consumables. The purchaser shall be entitled for the following pro-rata credit on Non Spiral CT tubes

100% up to maximum of six months from the date of despatch or 20000 Scans

70% up to maximum of nine months from the date of despatch or 40000 Scans

40% up to maximum of twelve months from the date of despatch or 60000 Scans

The purchaser shall be entitled for the following pro-rata credit on Spiral CT tubes

100% up to maximum of six months from the date of despatch or 40000 Scan seconds

70% up to maximum of nine months from the date of despatch or 80000 Scan seconds

40% up to maximum of twelve months from the date of despatch or 130000 Scan seconds.

Whichever is earlier for all above conditions

11. Reservation Clause

This quotation (contract, order confirmation) is made subject to all necessary Export Licenses and other permissions being obtained by the recipient, from the relevant authorities, for the destination and intended use of the goods and / or services.

12. Intellectual Property rights

The purchaser shall only have the right to use the software, technical know-how, operating instructions, product brochures/data sheet and any other proprietary information supplied along with the equipment or used in servicing the equipment supplied. The ownership of such items shall clearly vest and remain with the supplier. The purchaser shall not violate, breach or infringe the rights of the supplier in any manner whatsoever.

13. Cancellation/Termination / Suspension

The purchaser may cancel the order by giving prior written notice Thirty (30) days to the supplier. In such an event the purchaser shall be liable to pay to the supplier a minimum of 10% of the contract value towards cancellation charges. If the purchaser cancels the order after the equipment has been despatched by the supplier, the purchaser, in addition to the cancellation charges, shall be liable to pay to the supplier all other costs such as freight charges, demurrage, re-diversion costs, sales tax on re-sale of the equipment which has been specifically imported by the supplier to fulfil the purchaser's condition, interest charges & any other costs incurred by the supplier. The supplier shall, without prejudice to any other rights, have the right to adjust the advance paid by the purchaser towards this contract or any other amounts belonging to the purchaser lying with the supplier for any reason whatsoever.

The Supplier reserves the right to terminate the Contract arising out of this offer in the event

- i) Purchaser does not make the payments/delays the payment as per the terms of the Offer.
- ii) The "Force Majeure" conditions extends beyond 90 days and the parties cannot come to a mutual agreement for fulfilling their respective obligations under this contract.
- iii) Purchaser neglects or refuses to carry out his obligations under this Contract, arising out of the Offer or commits any other material breach of the terms of the Offer.

The Supplier reserves the right to suspend the Contract in the event

- i) Purchaser does not make the payments/delays the payment as per the terms of the Contract, arising out of this Offer.
- ii) Purchaser neglects or refuses to carry out his obligations under this Contract, or commits any other material breach of the terms of the Contract, arising out of this Offer.

14. Indemnification

The Purchaser assumes responsibility for and shall indemnify and save harmless the Supplier, from all actual and proven liability, claims, costs, expenses, taxes and assessments including penalties, attorneys fees and court cost which are, or may be required with respect to any breach of the Purchaser's obligations under the Contract arising out of this Offer, or due to any reason attributable, to the Purchaser.

15. Force Majeure

The supplier's offers is strictly subject to Force Majeure and any other causes beyond supplier's reasonable control. In the event of stoppage of work in any establishment of the supplier during the delivery period owing to war, hostilities, acts of the public enemy, civil commotion, riots, sabotage, fires, floods, earthquakes, tempests, explosions, epidemics or any acts of God, quarantine restrictions, strikes, lockout, trade disputes, breakdowns, accidents, governmental decree, impossibility or difficulty of obtaining supplies of raw material, restrictions in power supply, power cuts, stoppage of railways or other carriers and / or causes beyond the control of the supplier, deliveries may be postponed or partially or wholly cancelled by the sellers. The supplier shall not be liable for any losses, direct or indirect, due to delay in performance or non-performance of this contract resulting from causes which are beyond supplier's reasonable control and due to such causes which amount to Force Majeure at law.

16. Arbitration

Any dispute or difference or claim arising out of or in relation to this transaction including construction, validity performance or breach thereof shall, failing amicable settlement be referred to arbitration under Arbitration and Conciliation Act of 1996 and any subsequent amendments thereof for time being in force. The supplier shall appoint a Sole Arbitrator and it shall be binding on the Purchaser. Such arbitration shall take place in Mumbai. Award of the arbitrator shall be final and binding on parties.

The cost of Arbitration shall be equally shared between the parties. The parties shall bear and pay their respective cost and expenses incurred in relation to arbitration.

The Arbitral Award shall be the exclusive remedy of the Parties for all claims, counterclaims, issues or accounting presented to the Arbitrator.

Each Party, shall be entitled to seek necessary and appropriate interim injunctive relief pending the outcome of the Arbitration or any other temporary measures from the Courts of competent jurisdiction at Mumbai, to enjoin the other Party from taking certain actions, which allegedly, infringe the rights of the Party bringing such claim, provided that any proceedings and decisions as to the merits of the dispute are exclusively governed and resolved by Arbitration in accordance with this clause.

17. Acceptance

When the equipment has successfully conformed to the agreed specifications, the Purchaser shall return Supplier acceptance form, duly signed, within fifteen business days. Purchaser shall not withhold or delay the issuance of acceptance certificate of any of the equipment, if the equipment substantially meet the specifications or on account of any minor defects which have no material effect on the functionality of the equipment. Failure of the Purchaser to notify either the acceptance of the equipment within 15 days or any defects or deviations in the equipment within the period agreed for the same purpose shall amount to "deemed acceptance" of the deliverable by Purchaser.

Purchaser shall take all reasonable precautions for the equipment supplied to ensure that it works correctly. Complete or partial commencement of productive or commercial use of the equipment shall be deemed to be its immediate acceptance.

18. Subletting and Assignment

No consent of Buyer shall be required, when an assignment by the Supplier of any interest, right, benefit or obligation under this Contract is the result of, and part of, a corporate acquisition, merger or reorganization or to an affiliated entity.

The Supplier should be allowed to assign any interest, right, benefit or obligation under this the Contract in whole or in part within the Siemens group of Companies, without any prior permission. The Supplier should however be able to assign to any other third party, by written consent of the Buyer. This consent should not be unreasonably withheld.

19. Legal Construction

The contract shall come into existence only after supplier's confirmation of purchaser's order and shall be construed and operated as Indian contract and in conformity with Indian Law and shall be subject to jurisdiction of courts in India. All correspondence & commitments between the supplier and the purchaser, to be enforceable at law, shall be in writing.

20. General Conditions of Supply

These General Conditions of Supply form an integral part of the offer and the offer shall be read and understood in conjunction with the General Conditions of Supply. The General Conditions of Supply shall be applicable and prevail, unless otherwise accepted by the supplier in writing.

21. Limitation of Liability

The total liability of the Supplier for any reason or any account, whatsoever, including and not limited to arising out of Contract, Tort, Warranty claims by third parties or otherwise shall not exceed and be subject to a maximum of 10 % of the payments received by Supplier out of the Contract arising out of this offer.

Under no circumstances, both the Parties, including their respective employees, officers shall be liable to the other party for any special, incidental, indirect or consequential damages. Both the Parties shall not be liable to the other party for loss of profits, business, revenue, goodwill or anticipated savings.

22. Special Terms & Conditions for PACS

Customer should provide a dedicated PACS administrator to run the PACS efficiently. Siemens will provide SRS connectivity with modem free of charge.

The Scope of delivery consists of,

- Supply of SW and HW (from third party)
- Installation of OS & application SW
- Training of Radiologist/ Radiographer at site consisting of (three working days)
 - i. Opening the PACS data base
 - ii. Storage and retrieval of Images
 - iii. Various post processing tools
 - iv. Functional demo. of all available options
- Training of PACS administrator at site consisting of (three working days)
 - i. Role based user creation
 - ii. Data base back up (to taken regularly)
 - iii. Scheduling & archiving facilities & tools
 - iv. Trouble shooting and auditing log file regularly
 - v. Escalating calls & complain to help desk
 - vi. Installation & un installation of Web client/Radiology stations
- Training of Clinicians at site consisting of (two days)
 - i. Opening the PACS data base
 - ii. Storage and retrieval of Images
 - iii. Functional demo. of all available options
 - iv. Functional demo. of all available options

-Interfacing with the Modalities (predetermined before finalization of PO)

Following does not come under normal delivery and to be charged extra,

Arrangement of back up data network including switches

Arrangement of UPS/ stabilized power supply

Providing antivirus SW across the network (OS is supplied with standard antivirus protection only).

Migration/ Import of old data to system (Until specifically mentioned and separate price for the same is indicated in the price. This will be exclusively on per TB of data transfer cost only).

Enhancement of network facilities, configuration and related activities

Arrangement of broad band & modem / line-driver for tele-radiology or remote viewing images.

Routine back up of data from the archive server (Siemens will train PACS administrator to take data back up).

Up-gradation/ replacement of storage media and Server.

O/S or anti virus protection issue due to network should be attended by the EDP department of the client please. However, it will be mandatory by Siemens to mention the requisite O/S and HW specification.

Standard recommended life of Siemens PACS will be seven years , after that the OS,HW and application SW may be required to be replaced /modified at user's cost please.

The system should be termed operational when images are going from modalities to archive server and distributed to diagnostic /viewing locations.

The uptime will be considered on the basis of the archive server performance only. In case of any web or client not working at terminal level should not be considered as down time.

Any NET work related issue (cabling, HW, modem and switches should not be considered as nonfunctioning of PACS.

23. Compliance

The Supplier shall not offer or give or agree to give to any person in the employment of the Purchaser, any gift or consideration of any kind as inducement or reward to do any act in relating to obtaining or execution of the Contract arising out of this offer.

The Supplier and Purchaser shall comply with all applicable laws and regulations to bribery, corruption and prohibited business practices and will not partake in any action in relations to the transactions contemplated herein violation of such applicable laws.

Supplier has a clearly defined Compliance program that ensures that the Supplier continues to conduct its business with total integrity and transparency. If at any time during your business interactions with the Supplier, the Purchaser faces situations of impropriety by the Supplier's employees or any other misdemeanor, please alert the Supplier. The Purchaser may directly inform the Supplier's global Compliance Helpdesk which offers 24 hours service (www.siemens.com/tell-us) or can speak with the Supplier's Regional Compliance Officer, Mr. Anil Chopra on (022) 2498 7456. It is the Supplier's endeavor to set a benchmark in Corporate Governance.

While the Supplier continues to optimize the Supplier's processes and renew the Supplier's portfolio to keep pace with the Purchaser's needs and requirements, it is important for both the Supplier and Purchaser to base our relationship on trust and integrity. This the Supplier believes is of paramount importance as Supplier's core value is to nurture a culture of highest performance with highest ethics. With the "Tell Us" function, the Compliance Help Desk represents a sensible, global-level adjunct to the Ombudsman, and provides an additional point of contact. Especially important is the responsible use of the Helpdesk.

24. Compliance with Export Control Regulations

1 If Recipient transfers goods (hardware and/ or software and/ or technology as well as corresponding documentation, regardless of the mode of provision) delivered by Siemens or works and services (including all kinds of technical support) performed by Siemens to a third party Recipient shall comply with all applicable national and international (re-) export control regulations. In any event of such transfer of goods, works and services Recipient shall comply with the (re-) export control regulations of the Federal Republic of Germany, of the European Union and of the United States of America.

2. Prior to any transfer of goods, works and services provided by Siemens to a third party Recipient shall in particular check and guarantee by appropriate measures that

- There will be no infringement of an embargo imposed by the European Union, by the United States of America and/ or by the United Nations by such transfer, by brokering of contracts concerning those goods, works and services or by provision of other economic resources in connection with those goods, works and services, also considering the limitations of domestic business and prohibitions of by-passing those embargos;

- Such goods, works and services are not intended for use in connection with armaments, nuclear technology or weapons, if and to the extent such use is subject to prohibition or authorization, unless required authorization is provided;

- The regulations of all applicable Sanctioned Party Lists of the European Union and the United States of America concerning the trading with entities, persons and organizations listed therein are considered.

3. If required to enable authorities or Siemens to conduct export control checks, Recipient, upon request by Siemens, shall promptly provide Siemens with all information pertaining to the particular end customer, the particular destination and the particular intended use of goods, works and services provided by Siemens, as well as any export control restrictions existing.

4. Recipient shall indemnify and hold harmless Siemens from and against any claim, proceeding, action, fine, loss, cost and damages arising out of or relating to any noncompliance with export control regulations by Recipient, and Recipient shall compensate Siemens for all losses and expenses resulting thereof.

25. AERB Guidelines For Installation

The Atomic Energy Regulatory Board (AERB) Safety Code AERB/SC/MED-2 for Medical Diagnostic X-ray Equipment and Installations stipulates the following:

No X-ray machine shall be installed/ commissioned unless the layout of the proposed X-ray installation is approved by the competent authority. The application for approval shall be made by the person owning responsibility for the entire installation.

As the above is mandatory for the installation and commissioning of the X-ray equipment, you are requested to comply with the above requirement and get your room lay out plan duly approved by The Head, Radiological Safety Division, AERB, Niyamak Bhawan, Anushaktinagar, Mumbai 400 094.

We shall install the X-ray machine only as per the approved layout plan of AERB.

Also, it is a statutory requirement on the part of the user to obtain the Registration for general X-ray diagnostic unit and Licence for CT-scan, interventional radiology unit from AERB.

For further information you can log on to www.aerb.gov.in

26. Special conditions for MRI

1. Unless stated otherwise, the General Conditions of Sale and Delivery - Exports, Healthcare Group, apply.

2. The MR system comprises two principal items:

Scanning system and magnet system. The scanning system will be delivered by us excluding installation and commissioning. The magnet system will be delivered by the Oxford Magnet technologies (OMT), excluding installation and commissioning. The first filling with liquid helium is not included.

3. The prices to be charged shall be those prevailing on the day of delivery, unless otherwise agreed upon. Prices are subject to the following conditions:

- For the scanning system, at our discretion, freight-prepaid German border, FOB German shipping port or FCA

German airport.

- For the magnet system, at our discretion, freight-prepaid British border, FOB British shipping port or FCA British

airport.

The costs of transport insurance are not included in these prices. Our prices do not include the costs of determining the magnet self-shielding required and the measuring and checking of interference levels on site.

4. The risk for the scanning system and for the magnet system delivered by OMT shall pass to the customer when the consignment is handed over to the first forwarding agent

5. The warranty period shall be 12 months from the date of commissioning, but no longer than 15 months from the date of transfer of risk.

6. The scope of delivery for magnetic resonance systems includes software. In connection with this, the customer has the temporally unlimited non-exclusive and non-transferable right to use these software products on the equipment for which they have been supplied, without modifications, and for the purposes defined in the product description.

Software products and associated documentation must not be passed on to third parties.

Insofar as no special condition to the contrary is agreed upon, the fee for the right of using software products is

included in the purchase price. The cost of use is based on the software product first supplied with the equipment.

In case of extending the capability of existing equipment/of a system already installed by means of software, the same regulations apply.

Fulfillment of the guarantee consists in supplying replacement software in accordance with the condition of Item 6.

7. If for any reason, the customer is late in fulfilling his obligations, (e. g. in fulfilling all requirements for installation

on time) the balance of the purchase price at this date shall be payable and due not later than 30 days after expiration of the scheduled delivery time.

8. A MR system produces good clinical results only when all conditions necessary for the implementation of this specialized technology are carefully observed. In order to guarantee

adherence to these conditions, particularly close cooperation is necessary between the customer and us. Unless stated otherwise, the General Conditions for Installation- Exports, Medical Engineering Group, apply.

1. Site of MR system

1.1 The rooms designated by the customer for the installation must conform to minimum requirements, concerning which we will advise the customer at the beginning of the planning phase, in regard to

- dimensions

- external interference with the homogeneity and stability of the magnetic field in the scan volume.

The following external factors can interfere with homogeneity and stability:

- steel reinforcement in the building
- moving ferromagnetic objects
- equipment using switched DC-currents
- alternating fields with power line frequency
- alternating fields with higher frequency
- transmitter-generated electromagnetic fields

27. High-Vacuum Elements

1. For HVEs which at the time of delivery show material or manufacturing defects, the GG shall provide warranty by delivering faultless HVEs (replacement delivery) against return of the defective HVEs.

2. The replacement shall be delivered DDU place of use at the replacement price (RP) valid on the day of its readiness for dispatch in accordance with the Price Information of the GG, less the warranty reimbursement for the defective HVE (see Para. 4 below).

3. Within the period specified in the current regulations for the processing of returns, the defective HVE shall be sent by the customer at no extra charge and freight prepaid to the address indicated therein, for free disposal of the GG. If the HVE is not received within the specified time, the relevant basic price (BP) shall be applied instead of the replacement price and the difference from the RP shall be charged in addition.

4. The warranty reimbursement shall be calculated at a graduated rate by considering the period and intensity of use and the average benefit derived from the previous use of the defective HVE in percent of the RP, in accordance with the table shown below. Under the percentage of the respective column, the period and intensity of use (prerequisite) is indicated within which the respective percentage is applied. The period of use shall begin on the day of the initial start-up of the defective HVE on the site of the customer of the purchaser, however, at the latest with expiry of the 4th month from the transfer of risks to the purchaser. If several (measurable) prerequisites are stated in a field of the table, all of these have to be fulfilled. If the prerequisites of any field are not fulfilled, a warranty reimbursement shall not be provided.

28. High-Vacuum Elements.

MED INTERNAL BUSINESS

Special Warranty Terms for High-Vacuum Elements (HVE) of the Med Divisions (GG) in business with the Med sales organizations

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Table for Warranty Reimbursement according to the Special Warranty Terms for High-Vacuum Elements (HVE) of the Med Divisions (GG) in business with the Med sales organizations shown above

Credit based on Replacement Price

Type 100 % 70 % 40 %

ROTANX-/OPTI-CT-Tubes

(scans)

up to max. 6 months

up to max. 20.000 scans

up to max. 9 months

up to max. 40.000 scans

up to max. 12 months

up to max. 60.000 scans

DURA-/ROTANX-Tubes

(scanseconds)

up to max. 6 months

up to max. 40.000 scansec

up to max. 9 months

up to max. 80.000 scansec

up to max. 12 months

up to max. 130.000 scansec

DURA-AKRON B-Tubes up to max. 6 months

up to max. 40.000 scansec

up to max. 9 months

up to max. 80.000 scansec

up to max. 12 months

up to max. 150.000 scansec

MEGALIX-CM Tubes up to max. 6 months

up to max. 40.000 LU*

up to max. 9 months

up to max. 60.000 LU*

up to max. 12 months

up to max. 80.000 LU*

MEGALIX-Cat Tubes up to max. 12 months

up to max. 80.000 LU*

up to max. 18 months

up to max. 120.000 LU*

up to max. 24 months

up to max. 160.000 LU*

OPTITOP Tubes up to max. 12 months

up to max. 40.000 LU**

up to max. 18 months

up to max. 60.000 LU**

up to max. 24 months

up to max. 80.000 LU**

OPTILIX-, BIANGULIX-,

Mammography- and Single-Tank-Tubes

up to max. 12 months

up to max. 20.000 LU**

up to max. 18 months

up to max. 30.000 LU**

up to max. 24 months

up to max. 40.000 LU**

POWERPHOS Single-Tank up to max. 6 months

up to max. 40.000 BE***

up to max. 9 months

up to max. 60.000 BE***

up to max. 12 months

up to max. 80.000 BE***

Image-Intensifier Tubes up to max. 12 months up to max. 18 months up to max. 24 months

TV-Camera and TV-Tubes up to max. 6 months up to max. 9 months up to max. 12 months

Control Triodes for X-Ray

29. High-Vacuum Elements,

Generators

up to max. 6 months up to max. 9 months up to max. 12 months

RF-Transmission Tubes for

Magnetic Resonance

up to max. 6 months up to max. 9 months up to max. 12 months

*** **

1 Exposure 1 Exposure 1 Exposure = 1 kW

2 sec cine, DSA, DR, DCM 1 sec cine, DSA, DR, DCM 0,5 sec DR-EB, DCM

2 sec DPF

(pulsed fluoroscopy > 2P/s)

According to mode of

operation

corresponds to 1

Load Unit (LU)


15 sec DPF (pulsed fluoroscopy) 7 sec DPF (pulsed fluoroscopy)

5 sec DL, SUB DR, Roadmap,

DPF (pulsed fluoroscopy < 2P/s)

For Siemens Ltd.


S. Ghosh


D. Balan

POWERPHOS Single-Tank up to max. 6 months

up to max. 40.000 BE***

up to max. 9 months

up to max. 60.000 BE***

up to max. 12 months

up to max. 80.000 BE***

Image-Intensifier Tubes up to max. 12 months up to max. 18 months up to max. 24 months

TV-Camera and TV-Tubes up to max. 6 months up to max. 9 months up to max. 12 months

Control Triodes for X-Ray

29. High-Vacuum Elements,

Generators

up to max. 6 months up to max. 9 months up to max. 12 months

RF-Transmission Tubes for

Magnetic Resonance

up to max. 6 months up to max. 9 months up to max. 12 months

*** **

1 Exposure 1 Exposure 1 Exposure = 1 kW

2 sec cine, DSA, DR, DCM 1 sec cine, DSA, DR, DCM 0,5 sec DR-EB, DCM

2 sec DPF

(pulsed fluoroscopy > 2P/s)

According to mode of
operation

corresponds to 1

Load Unit (LU)

15 sec DPF (pulsed fluoroscopy) 7 sec DPF (pulsed fluoroscopy)

5 sec DL, SUB DR, Roadmap,

DPF (pulsed fluoroscopy < 2P/s)

For Siemens Ltd.



S. Ghosh



D. Balan